



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB]

[TESTDATE] 2017-01-04

[ISSUEDATE] 2017-02-18 08:46:46

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER]

[MANUFAC] BEGHELLI

[LUMINAIRE] NUVHTMOWT50VWD120-277[\_P

[LAMP] 5000K Ra80

### CHARACTERISTICS

|                                 |                   |
|---------------------------------|-------------------|
| Lumens Per Lamp                 | 19548 (1 lamp)    |
| Total Lamp Lumens               | 19548             |
| Luminaire Lumens                | 19548             |
| Total Luminaire Efficiency      | 100 %             |
| Luminaire Efficacy Rating (LER) | 132               |
| Total Luminaire Watts           | 147.7             |
| Ballast Factor                  | 1.00              |
| CIE Type                        | Direct            |
| Spacing Criterion (0-180)       | 1.30              |
| Spacing Criterion (90-270)      | 1.30              |
| Spacing Criterion (Diagonal)    | 1.42              |
| Basic Luminous Shape            | Circular          |
| Luminous Length (0-180)         | 0.24 m (Diameter) |
| Luminous Width (90-270)         | 0.24 m (Diameter) |
| Luminous Height                 | 0.00 m            |

### LUMINANCE DATA (cd/sq.m)

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 151732           | 151750            | 151837            |
| 55                  | 144629           | 144554            | 144531            |
| 65                  | 125930           | 126005            | 126192            |
| 75                  | 74009            | 74193             | 74437             |
| 85                  | 7811             | 7804              | 7756              |

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**CANDELA TABULATION**

|      | <u>0.0</u> | <u>2.5</u> | <u>5.0</u> | <u>7.5</u> | <u>10.0</u> | <u>12.5</u> | <u>15.0</u> | <u>17.5</u> | <u>20.0</u> | <u>22.5</u> |
|------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 0.0  | 6999.280   | 6999.280   | 6999.280   | 6999.280   | 6999.280    | 6999.280    | 6999.280    | 6999.280    | 6999.280    | 6999.280    |
| 0.5  | 6999.218   | 6999.198   | 6999.146   | 6999.094   | 6999.042    | 6998.991    | 6998.949    | 6998.949    | 6998.960    | 6998.980    |
| 1.0  | 6998.452   | 6998.432   | 6998.370   | 6998.318   | 6998.266    | 6998.204    | 6998.163    | 6998.173    | 6998.194    | 6998.214    |
| 1.5  | 6996.890   | 6996.879   | 6996.890   | 6996.890   | 6996.900    | 6996.900    | 6996.921    | 6996.952    | 6996.983    | 6997.014    |
| 2.0  | 6994.820   | 6994.851   | 6994.913   | 6994.985   | 6995.068    | 6995.151    | 6995.223    | 6995.275    | 6995.306    | 6995.337    |
| 2.5  | 6992.605   | 6992.646   | 6992.729   | 6992.812   | 6992.905    | 6992.998    | 6993.081    | 6993.112    | 6993.122    | 6993.133    |
| 3.0  | 6990.038   | 6990.079   | 6990.162   | 6990.245   | 6990.338    | 6990.431    | 6990.504    | 6990.514    | 6990.493    | 6990.473    |
| 3.5  | 6987.047   | 6987.088   | 6987.171   | 6987.254   | 6987.337    | 6987.430    | 6987.492    | 6987.512    | 6987.502    | 6987.481    |
| 4.0  | 6983.611   | 6983.652   | 6983.724   | 6983.797   | 6983.880    | 6983.962    | 6984.035    | 6984.056    | 6984.056    | 6984.035    |
| 4.5  | 6979.678   | 6979.729   | 6979.802   | 6979.885   | 6979.967    | 6980.060    | 6980.123    | 6980.112    | 6980.081    | 6980.040    |
| 5.0  | 6975.186   | 6975.237   | 6975.331   | 6975.424   | 6975.506    | 6975.600    | 6975.662    | 6975.641    | 6975.589    | 6975.527    |
| 5.5  | 6969.990   | 6970.042   | 6970.145   | 6970.249   | 6970.352    | 6970.466    | 6970.549    | 6970.570    | 6970.538    | 6970.507    |
| 6.0  | 6964.287   | 6964.339   | 6964.432   | 6964.546   | 6964.660    | 6964.784    | 6964.887    | 6964.939    | 6964.960    | 6964.970    |
| 6.5  | 6958.274   | 6958.305   | 6958.377   | 6958.450   | 6958.532    | 6958.615    | 6958.698    | 6958.760    | 6958.812    | 6958.853    |
| 7.0  | 6951.836   | 6951.857   | 6951.877   | 6951.919   | 6951.960    | 6952.012    | 6952.064    | 6952.136    | 6952.209    | 6952.271    |
| 7.5  | 6944.912   | 6944.922   | 6944.953   | 6944.984   | 6945.015    | 6945.057    | 6945.109    | 6945.181    | 6945.253    | 6945.305    |
| 8.0  | 6937.501   | 6937.512   | 6937.543   | 6937.584   | 6937.625    | 6937.677    | 6937.729    | 6937.791    | 6937.853    | 6937.895    |
| 8.5  | 6929.573   | 6929.594   | 6929.635   | 6929.687   | 6929.739    | 6929.791    | 6929.853    | 6929.904    | 6929.956    | 6929.998    |
| 9.0  | 6921.169   | 6921.190   | 6921.241   | 6921.293   | 6921.345    | 6921.407    | 6921.469    | 6921.511    | 6921.552    | 6921.583    |
| 9.5  | 6912.268   | 6912.299   | 6912.340   | 6912.382   | 6912.434    | 6912.496    | 6912.537    | 6912.568    | 6912.589    | 6912.599    |
| 10.0 | 6902.891   | 6902.912   | 6902.943   | 6902.974   | 6903.005    | 6903.046    | 6903.077    | 6903.088    | 6903.098    | 6903.108    |
| 10.5 | 6893.027   | 6893.027   | 6893.027   | 6893.017   | 6893.017    | 6893.027    | 6893.038    | 6893.058    | 6893.089    | 6893.110    |
| 11.0 | 6882.646   | 6882.636   | 6882.605   | 6882.584   | 6882.563    | 6882.553    | 6882.543    | 6882.574    | 6882.615    | 6882.667    |
| 11.5 | 6871.696   | 6871.706   | 6871.727   | 6871.758   | 6871.779    | 6871.810    | 6871.831    | 6871.841    | 6871.831    | 6871.831    |
| 12.0 | 6860.218   | 6860.249   | 6860.321   | 6860.394   | 6860.466    | 6860.539    | 6860.590    | 6860.570    | 6860.528    | 6860.487    |
| 12.5 | 6848.284   | 6848.305   | 6848.357   | 6848.408   | 6848.460    | 6848.512    | 6848.553    | 6848.543    | 6848.522    | 6848.502    |
| 13.0 | 6835.740   | 6835.750   | 6835.761   | 6835.792   | 6835.813    | 6835.844    | 6835.864    | 6835.875    | 6835.885    | 6835.906    |
| 13.5 | 6822.378   | 6822.399   | 6822.430   | 6822.461   | 6822.502    | 6822.554    | 6822.596    | 6822.637    | 6822.678    | 6822.709    |
| 14.0 | 6808.385   | 6808.416   | 6808.468   | 6808.530   | 6808.592    | 6808.664    | 6808.737    | 6808.799    | 6808.840    | 6808.892    |
| 14.5 | 6793.936   | 6793.967   | 6794.040   | 6794.112   | 6794.195    | 6794.278    | 6794.340    | 6794.371    | 6794.392    | 6794.392    |
| 15.0 | 6778.836   | 6778.877   | 6778.950   | 6779.032   | 6779.126    | 6779.208    | 6779.281    | 6779.291    | 6779.270    | 6779.250    |
| 15.5 | 6762.886   | 6762.917   | 6762.980   | 6763.052   | 6763.135    | 6763.218    | 6763.300    | 6763.352    | 6763.383    | 6763.404    |
| 16.0 | 6746.316   | 6746.347   | 6746.409   | 6746.482   | 6746.564    | 6746.658    | 6746.751    | 6746.844    | 6746.927    | 6746.999    |
| 16.5 | 6729.352   | 6729.415   | 6729.518   | 6729.632   | 6729.756    | 6729.891    | 6730.004    | 6730.077    | 6730.129    | 6730.160    |
| 17.0 | 6711.882   | 6711.964   | 6712.109   | 6712.265   | 6712.430    | 6712.606    | 6712.751    | 6712.803    | 6712.803    | 6712.792    |
| 17.5 | 6693.935   | 6694.007   | 6694.152   | 6694.297   | 6694.463    | 6694.628    | 6694.773    | 6694.825    | 6694.835    | 6694.835    |
| 18.0 | 6675.284   | 6675.367   | 6675.512   | 6675.677   | 6675.843    | 6676.029    | 6676.184    | 6676.247    | 6676.278    | 6676.298    |
| 18.5 | 6655.598   | 6655.733   | 6655.971   | 6656.230   | 6656.509    | 6656.809    | 6657.058    | 6657.161    | 6657.203    | 6657.234    |
| 19.0 | 6635.323   | 6635.488   | 6635.819   | 6636.161   | 6636.544    | 6636.948    | 6637.289    | 6637.444    | 6637.507    | 6637.558    |
| 19.5 | 6614.850   | 6615.006   | 6615.306   | 6615.637   | 6615.989    | 6616.382    | 6616.724    | 6616.931    | 6617.065    | 6617.189    |
| 20.0 | 6593.954   | 6594.078   | 6594.326   | 6594.595   | 6594.906    | 6595.247    | 6595.568    | 6595.817    | 6596.013    | 6596.210    |
| 20.5 | 6572.509   | 6572.622   | 6572.860   | 6573.119   | 6573.419    | 6573.751    | 6574.071    | 6574.320    | 6574.527    | 6574.723    |
| 21.0 | 6550.556   | 6550.660   | 6550.867   | 6551.105   | 6551.384    | 6551.684    | 6551.984    | 6552.223    | 6552.440    | 6552.647    |
| 21.5 | 6528.179   | 6528.231   | 6528.345   | 6528.490   | 6528.666    | 6528.863    | 6529.080    | 6529.318    | 6529.566    | 6529.815    |
| 22.0 | 6505.182   | 6505.182   | 6505.202   | 6505.254   | 6505.327    | 6505.420    | 6505.575    | 6505.834    | 6506.144    | 6506.444    |
| 22.5 | 6481.315   | 6481.294   | 6481.284   | 6481.304   | 6481.366    | 6481.449    | 6481.615    | 6481.967    | 6482.391    | 6482.805    |
| 23.0 | 6456.775   | 6456.754   | 6456.744   | 6456.785   | 6456.868    | 6456.982    | 6457.189    | 6457.624    | 6458.141    | 6458.638    |
| 23.5 | 6431.645   | 6431.655   | 6431.707   | 6431.800   | 6431.945    | 6432.121    | 6432.380    | 6432.794    | 6433.270    | 6433.736    |
| 24.0 | 6406.039   | 6406.081   | 6406.184   | 6406.329   | 6406.526    | 6406.753    | 6407.033    | 6407.405    | 6407.819    | 6408.223    |
| 24.5 | 6380.185   | 6380.206   | 6380.268   | 6380.371   | 6380.516    | 6380.692    | 6380.940    | 6381.303    | 6381.727    | 6382.141    |
| 25.0 | 6353.896   | 6353.885   | 6353.896   | 6353.948   | 6354.041    | 6354.165    | 6354.362    | 6354.724    | 6355.148    | 6355.562    |
| 25.5 | 6327.038   | 6327.048   | 6327.089   | 6327.162   | 6327.276    | 6327.421    | 6327.607    | 6327.917    | 6328.259    | 6328.611    |
| 26.0 | 6299.641   | 6299.683   | 6299.776   | 6299.900   | 6300.045    | 6300.231    | 6300.438    | 6300.686    | 6300.956    | 6301.225    |
| 26.5 | 6271.655   | 6271.717   | 6271.851   | 6272.017   | 6272.214    | 6272.441    | 6272.679    | 6272.928    | 6273.176    | 6273.414    |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 27.0 | 6243.140 | 6243.234 | 6243.410 | 6243.617 | 6243.865 | 6244.134 | 6244.414 | 6244.662 | 6244.900 | 6245.128 |
| 27.5 | 6214.181 | 6214.295 | 6214.523 | 6214.781 | 6215.082 | 6215.402 | 6215.703 | 6215.930 | 6216.127 | 6216.313 |
| 28.0 | 6184.715 | 6184.860 | 6185.129 | 6185.419 | 6185.750 | 6186.102 | 6186.423 | 6186.619 | 6186.774 | 6186.899 |
| 28.5 | 6154.752 | 6154.886 | 6155.155 | 6155.445 | 6155.755 | 6156.097 | 6156.397 | 6156.563 | 6156.666 | 6156.749 |
| 29.0 | 6124.302 | 6124.426 | 6124.674 | 6124.933 | 6125.223 | 6125.533 | 6125.803 | 6125.927 | 6125.999 | 6126.061 |
| 29.5 | 6093.407 | 6093.521 | 6093.749 | 6093.987 | 6094.245 | 6094.535 | 6094.773 | 6094.897 | 6094.970 | 6095.022 |
| 30.0 | 6061.974 | 6062.078 | 6062.285 | 6062.502 | 6062.740 | 6062.999 | 6063.226 | 6063.351 | 6063.423 | 6063.475 |
| 30.5 | 6029.796 | 6029.910 | 6030.138 | 6030.376 | 6030.624 | 6030.903 | 6031.131 | 6031.224 | 6031.266 | 6031.286 |
| 31.0 | 5997.142 | 5997.266 | 5997.483 | 5997.721 | 5997.980 | 5998.249 | 5998.467 | 5998.529 | 5998.529 | 5998.518 |
| 31.5 | 5964.249 | 5964.343 | 5964.519 | 5964.694 | 5964.881 | 5965.077 | 5965.233 | 5965.264 | 5965.233 | 5965.191 |
| 32.0 | 5930.964 | 5931.016 | 5931.088 | 5931.171 | 5931.254 | 5931.336 | 5931.399 | 5931.388 | 5931.347 | 5931.305 |
| 32.5 | 5897.275 | 5897.244 | 5897.171 | 5897.099 | 5897.016 | 5896.933 | 5896.871 | 5896.861 | 5896.871 | 5896.881 |
| 33.0 | 5863.016 | 5862.902 | 5862.685 | 5862.457 | 5862.219 | 5861.960 | 5861.774 | 5861.764 | 5861.826 | 5861.888 |
| 33.5 | 5827.930 | 5827.774 | 5827.464 | 5827.143 | 5826.812 | 5826.450 | 5826.170 | 5826.129 | 5826.180 | 5826.232 |
| 34.0 | 5792.295 | 5792.098 | 5791.736 | 5791.353 | 5790.939 | 5790.504 | 5790.152 | 5790.080 | 5790.121 | 5790.162 |
| 34.5 | 5756.349 | 5756.121 | 5755.707 | 5755.273 | 5754.817 | 5754.320 | 5753.937 | 5753.875 | 5753.937 | 5754.000 |
| 35.0 | 5719.876 | 5719.638 | 5719.182 | 5718.706 | 5718.209 | 5717.671 | 5717.257 | 5717.216 | 5717.309 | 5717.392 |
| 35.5 | 5682.823 | 5682.553 | 5682.036 | 5681.508 | 5680.949 | 5680.349 | 5679.894 | 5679.852 | 5679.976 | 5680.090 |
| 36.0 | 5645.004 | 5644.714 | 5644.176 | 5643.627 | 5643.037 | 5642.406 | 5641.940 | 5641.909 | 5642.044 | 5642.178 |
| 36.5 | 5606.088 | 5605.839 | 5605.384 | 5604.918 | 5604.411 | 5603.883 | 5603.479 | 5603.448 | 5603.573 | 5603.676 |
| 37.0 | 5566.426 | 5566.240 | 5565.878 | 5565.505 | 5565.112 | 5564.688 | 5564.367 | 5564.336 | 5564.408 | 5564.481 |
| 37.5 | 5526.279 | 5526.113 | 5525.792 | 5525.451 | 5525.089 | 5524.706 | 5524.395 | 5524.333 | 5524.364 | 5524.385 |
| 38.0 | 5485.634 | 5485.469 | 5485.169 | 5484.848 | 5484.496 | 5484.113 | 5483.813 | 5483.720 | 5483.709 | 5483.699 |
| 38.5 | 5444.648 | 5444.483 | 5444.162 | 5443.841 | 5443.479 | 5443.096 | 5442.796 | 5442.723 | 5442.734 | 5442.744 |
| 39.0 | 5403.083 | 5402.928 | 5402.627 | 5402.307 | 5401.955 | 5401.592 | 5401.292 | 5401.230 | 5401.240 | 5401.261 |
| 39.5 | 5360.710 | 5360.596 | 5360.389 | 5360.161 | 5359.903 | 5359.623 | 5359.385 | 5359.251 | 5359.178 | 5359.095 |
| 40.0 | 5317.747 | 5317.695 | 5317.571 | 5317.426 | 5317.261 | 5317.074 | 5316.878 | 5316.691 | 5316.495 | 5316.319 |
| 40.5 | 5274.370 | 5274.329 | 5274.246 | 5274.132 | 5273.987 | 5273.832 | 5273.635 | 5273.387 | 5273.128 | 5272.890 |
| 41.0 | 5230.507 | 5230.455 | 5230.362 | 5230.238 | 5230.083 | 5229.907 | 5229.700 | 5229.441 | 5229.161 | 5228.903 |
| 41.5 | 5186.209 | 5186.126 | 5185.971 | 5185.774 | 5185.567 | 5185.329 | 5185.091 | 5184.884 | 5184.687 | 5184.511 |
| 42.0 | 5141.238 | 5141.114 | 5140.876 | 5140.627 | 5140.358 | 5140.069 | 5139.810 | 5139.675 | 5139.592 | 5139.520 |
| 42.5 | 5095.284 | 5095.150 | 5094.912 | 5094.653 | 5094.373 | 5094.094 | 5093.856 | 5093.763 | 5093.742 | 5093.742 |
| 43.0 | 5048.502 | 5048.388 | 5048.171 | 5047.943 | 5047.716 | 5047.467 | 5047.281 | 5047.239 | 5047.270 | 5047.322 |
| 43.5 | 5000.820 | 5000.747 | 5000.623 | 5000.499 | 5000.375 | 5000.250 | 5000.168 | 5000.188 | 5000.261 | 5000.344 |
| 44.0 | 4952.609 | 4952.589 | 4952.547 | 4952.516 | 4952.496 | 4952.475 | 4952.496 | 4952.558 | 4952.661 | 4952.775 |
| 44.5 | 4904.399 | 4904.378 | 4904.347 | 4904.316 | 4904.306 | 4904.296 | 4904.316 | 4904.389 | 4904.482 | 4904.596 |
| 45.0 | 4855.764 | 4855.723 | 4855.651 | 4855.588 | 4855.526 | 4855.475 | 4855.454 | 4855.526 | 4855.630 | 4855.744 |
| 45.5 | 4806.426 | 4806.333 | 4806.167 | 4806.012 | 4805.857 | 4805.701 | 4805.629 | 4805.743 | 4805.940 | 4806.126 |
| 46.0 | 4756.487 | 4756.342 | 4756.094 | 4755.846 | 4755.597 | 4755.359 | 4755.214 | 4755.359 | 4755.607 | 4755.856 |
| 46.5 | 4705.990 | 4705.845 | 4705.586 | 4705.327 | 4705.058 | 4704.789 | 4704.613 | 4704.685 | 4704.861 | 4705.048 |
| 47.0 | 4654.850 | 4654.716 | 4654.467 | 4654.209 | 4653.939 | 4653.650 | 4653.443 | 4653.422 | 4653.494 | 4653.567 |
| 47.5 | 4602.945 | 4602.810 | 4602.552 | 4602.272 | 4601.972 | 4601.651 | 4601.393 | 4601.289 | 4601.258 | 4601.248 |
| 48.0 | 4550.419 | 4550.284 | 4550.005 | 4549.705 | 4549.384 | 4549.032 | 4548.721 | 4548.556 | 4548.452 | 4548.359 |
| 48.5 | 4497.489 | 4497.323 | 4497.023 | 4496.692 | 4496.330 | 4495.936 | 4495.595 | 4495.409 | 4495.295 | 4495.191 |
| 49.0 | 4443.793 | 4443.638 | 4443.358 | 4443.048 | 4442.696 | 4442.323 | 4442.003 | 4441.816 | 4441.692 | 4441.589 |
| 49.5 | 4388.793 | 4388.752 | 4388.659 | 4388.555 | 4388.410 | 4388.265 | 4388.089 | 4387.913 | 4387.737 | 4387.562 |
| 50.0 | 4333.307 | 4333.359 | 4333.452 | 4333.514 | 4333.566 | 4333.607 | 4333.586 | 4333.410 | 4333.162 | 4332.914 |
| 50.5 | 4278.234 | 4278.255 | 4278.286 | 4278.297 | 4278.276 | 4278.245 | 4278.152 | 4277.934 | 4277.655 | 4277.375 |
| 51.0 | 4222.758 | 4222.727 | 4222.645 | 4222.531 | 4222.396 | 4222.231 | 4222.034 | 4221.775 | 4221.506 | 4221.237 |
| 51.5 | 4166.227 | 4166.165 | 4166.040 | 4165.896 | 4165.720 | 4165.523 | 4165.326 | 4165.150 | 4164.974 | 4164.798 |
| 52.0 | 4109.147 | 4109.053 | 4108.888 | 4108.701 | 4108.494 | 4108.267 | 4108.070 | 4107.956 | 4107.873 | 4107.811 |
| 52.5 | 4051.911 | 4051.766 | 4051.507 | 4051.218 | 4050.907 | 4050.566 | 4050.276 | 4050.131 | 4050.058 | 4049.986 |
| 53.0 | 3994.293 | 3994.086 | 3993.713 | 3993.309 | 3992.875 | 3992.399 | 3992.005 | 3991.819 | 3991.736 | 3991.664 |
| 53.5 | 3936.467 | 3936.177 | 3935.649 | 3935.101 | 3934.501 | 3933.880 | 3933.393 | 3933.290 | 3933.352 | 3933.424 |
| 54.0 | 3877.607 | 3877.275 | 3876.675 | 3876.044 | 3875.381 | 3874.667 | 3874.129 | 3874.046 | 3874.150 | 3874.274 |
| 54.5 | 3816.552 | 3816.355 | 3815.972 | 3815.538 | 3815.062 | 3814.534 | 3814.037 | 3813.685 | 3813.385 | 3813.116 |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 55.0 | 3754.431 | 3754.369 | 3754.204 | 3753.976 | 3753.665 | 3753.324 | 3752.889 | 3752.247 | 3751.544 | 3750.892 |
| 55.5 | 3692.093 | 3691.990 | 3691.741 | 3691.421 | 3691.038 | 3690.593 | 3690.075 | 3689.413 | 3688.730 | 3688.077 |
| 56.0 | 3629.300 | 3629.103 | 3628.689 | 3628.203 | 3627.644 | 3627.033 | 3626.423 | 3625.874 | 3625.367 | 3624.891 |
| 56.5 | 3566.186 | 3565.885 | 3565.306 | 3564.674 | 3563.981 | 3563.225 | 3562.573 | 3562.232 | 3562.025 | 3561.828 |
| 57.0 | 3502.512 | 3502.140 | 3501.446 | 3500.722 | 3499.935 | 3499.107 | 3498.455 | 3498.331 | 3498.414 | 3498.486 |
| 57.5 | 3438.032 | 3437.690 | 3437.038 | 3436.376 | 3435.672 | 3434.927 | 3434.368 | 3434.337 | 3434.513 | 3434.689 |
| 58.0 | 3372.920 | 3372.630 | 3372.082 | 3371.533 | 3370.943 | 3370.322 | 3369.867 | 3369.856 | 3370.032 | 3370.198 |
| 58.5 | 3307.384 | 3307.135 | 3306.649 | 3306.152 | 3305.624 | 3305.065 | 3304.631 | 3304.548 | 3304.610 | 3304.693 |
| 59.0 | 3240.999 | 3240.782 | 3240.388 | 3239.964 | 3239.508 | 3239.012 | 3238.608 | 3238.453 | 3238.401 | 3238.370 |
| 59.5 | 3173.144 | 3172.989 | 3172.710 | 3172.399 | 3172.078 | 3171.726 | 3171.426 | 3171.292 | 3171.230 | 3171.188 |
| 60.0 | 3104.513 | 3104.462 | 3104.348 | 3104.234 | 3104.099 | 3103.955 | 3103.830 | 3103.727 | 3103.654 | 3103.603 |
| 60.5 | 3035.614 | 3035.717 | 3035.903 | 3036.090 | 3036.276 | 3036.473 | 3036.597 | 3036.504 | 3036.328 | 3036.172 |
| 61.0 | 2966.465 | 2966.745 | 2967.252 | 2967.759 | 2968.297 | 2968.856 | 2969.229 | 2969.125 | 2968.825 | 2968.535 |
| 61.5 | 2897.286 | 2897.731 | 2898.548 | 2899.366 | 2900.204 | 2901.095 | 2901.695 | 2901.540 | 2901.084 | 2900.629 |
| 62.0 | 2827.993 | 2828.551 | 2829.555 | 2830.570 | 2831.615 | 2832.702 | 2833.437 | 2833.230 | 2832.640 | 2832.050 |
| 62.5 | 2758.554 | 2759.082 | 2760.014 | 2760.956 | 2761.918 | 2762.922 | 2763.584 | 2763.346 | 2762.746 | 2762.146 |
| 63.0 | 2689.054 | 2689.478 | 2690.244 | 2691.000 | 2691.776 | 2692.583 | 2693.091 | 2692.822 | 2692.242 | 2691.683 |
| 63.5 | 2619.688 | 2620.020 | 2620.610 | 2621.179 | 2621.758 | 2622.359 | 2622.711 | 2622.410 | 2621.862 | 2621.344 |
| 64.0 | 2550.023 | 2550.261 | 2550.695 | 2551.099 | 2551.503 | 2551.917 | 2552.124 | 2551.803 | 2551.275 | 2550.788 |
| 64.5 | 2480.108 | 2480.295 | 2480.636 | 2480.947 | 2481.247 | 2481.557 | 2481.692 | 2481.361 | 2480.864 | 2480.398 |
| 65.0 | 2408.662 | 2408.849 | 2409.159 | 2409.439 | 2409.708 | 2409.977 | 2410.060 | 2409.708 | 2409.180 | 2408.683 |
| 65.5 | 2335.550 | 2335.757 | 2336.098 | 2336.399 | 2336.657 | 2336.906 | 2336.926 | 2336.388 | 2335.643 | 2334.908 |
| 66.0 | 2257.490 | 2257.780 | 2258.266 | 2258.701 | 2259.105 | 2259.488 | 2259.581 | 2258.991 | 2258.122 | 2257.252 |
| 66.5 | 2168.159 | 2168.646 | 2169.546 | 2170.457 | 2171.399 | 2172.392 | 2173.076 | 2172.962 | 2172.517 | 2172.061 |
| 67.0 | 2076.665 | 2077.307 | 2078.528 | 2079.812 | 2081.199 | 2082.689 | 2083.879 | 2084.221 | 2084.221 | 2084.200 |
| 67.5 | 1990.957 | 1991.495 | 1992.499 | 1993.555 | 1994.683 | 1995.894 | 1996.856 | 1997.105 | 1997.063 | 1997.012 |
| 68.0 | 1908.240 | 1908.592 | 1909.233 | 1909.896 | 1910.589 | 1911.324 | 1911.862 | 1911.883 | 1911.676 | 1911.469 |
| 68.5 | 1828.565 | 1828.814 | 1829.269 | 1829.714 | 1830.170 | 1830.646 | 1830.946 | 1830.791 | 1830.460 | 1830.128 |
| 69.0 | 1751.189 | 1751.334 | 1751.593 | 1751.831 | 1752.069 | 1752.317 | 1752.441 | 1752.245 | 1751.934 | 1751.644 |
| 69.5 | 1675.727 | 1675.675 | 1675.592 | 1675.520 | 1675.479 | 1675.437 | 1675.468 | 1675.634 | 1675.862 | 1676.100 |
| 70.0 | 1601.197 | 1600.990 | 1600.617 | 1600.307 | 1600.027 | 1599.768 | 1599.737 | 1600.255 | 1601.000 | 1601.745 |
| 70.5 | 1526.118 | 1525.880 | 1525.486 | 1525.124 | 1524.793 | 1524.462 | 1524.358 | 1524.772 | 1525.404 | 1526.035 |
| 71.0 | 1451.743 | 1451.567 | 1451.246 | 1450.956 | 1450.677 | 1450.408 | 1450.283 | 1450.532 | 1450.946 | 1451.360 |
| 71.5 | 1379.386 | 1379.303 | 1379.169 | 1379.075 | 1379.013 | 1378.972 | 1379.065 | 1379.417 | 1379.893 | 1380.379 |
| 72.0 | 1307.484 | 1307.474 | 1307.474 | 1307.526 | 1307.629 | 1307.774 | 1308.043 | 1308.530 | 1309.120 | 1309.710 |
| 72.5 | 1235.210 | 1235.097 | 1234.921 | 1234.796 | 1234.714 | 1234.651 | 1234.755 | 1235.241 | 1235.883 | 1236.514 |
| 73.0 | 1161.746 | 1161.539 | 1161.177 | 1160.856 | 1160.545 | 1160.256 | 1160.163 | 1160.587 | 1161.208 | 1161.819 |
| 73.5 | 1084.608 | 1084.432 | 1084.131 | 1083.842 | 1083.573 | 1083.303 | 1083.179 | 1083.459 | 1083.883 | 1084.297 |
| 74.0 | 1008.038 | 1007.966 | 1007.842 | 1007.717 | 1007.614 | 1007.510 | 1007.479 | 1007.666 | 1007.914 | 1008.152 |
| 74.5 | 936.002  | 936.106  | 936.313  | 936.551  | 936.830  | 937.130  | 937.451  | 937.782  | 938.103  | 938.383  |
| 75.0 | 866.916  | 867.144  | 867.578  | 868.075  | 868.644  | 869.265  | 869.876  | 870.425  | 870.911  | 871.335  |
| 75.5 | 801.018  | 801.080  | 801.245  | 801.494  | 801.814  | 802.197  | 802.694  | 803.388  | 804.154  | 804.888  |
| 76.0 | 736.754  | 736.661  | 736.537  | 736.485  | 736.516  | 736.599  | 736.889  | 737.603  | 738.493  | 739.404  |
| 76.5 | 671.756  | 671.798  | 671.881  | 672.025  | 672.201  | 672.429  | 672.709  | 673.071  | 673.474  | 673.888  |
| 77.0 | 608.766  | 608.922  | 609.201  | 609.491  | 609.801  | 610.132  | 610.381  | 610.412  | 610.339  | 610.288  |
| 77.5 | 550.351  | 550.309  | 550.237  | 550.185  | 550.144  | 550.113  | 550.113  | 550.206  | 550.330  | 550.485  |
| 78.0 | 494.606  | 494.326  | 493.840  | 493.384  | 492.939  | 492.484  | 492.256  | 492.546  | 493.064  | 493.602  |
| 78.5 | 440.299  | 439.906  | 439.213  | 438.561  | 437.929  | 437.298  | 437.018  | 437.577  | 438.467  | 439.368  |
| 79.0 | 388.032  | 387.649  | 386.986  | 386.376  | 385.807  | 385.237  | 385.030  | 385.744  | 386.811  | 387.846  |
| 79.5 | 337.524  | 337.462  | 337.369  | 337.327  | 337.317  | 337.327  | 337.462  | 337.886  | 338.404  | 338.921  |
| 80.0 | 290.204  | 290.462  | 290.949  | 291.446  | 291.973  | 292.543  | 292.977  | 293.029  | 292.926  | 292.822  |
| 80.5 | 247.406  | 247.686  | 248.203  | 248.710  | 249.228  | 249.777  | 250.139  | 250.004  | 249.673  | 249.363  |
| 81.0 | 209.163  | 209.308  | 209.546  | 209.784  | 210.022  | 210.271  | 210.405  | 210.271  | 210.022  | 209.784  |
| 81.5 | 176.716  | 176.488  | 176.074  | 175.681  | 175.288  | 174.884  | 174.667  | 174.925  | 175.381  | 175.815  |
| 82.0 | 147.726  | 147.208  | 146.287  | 145.407  | 144.538  | 143.648  | 143.182  | 143.813  | 144.869  | 145.883  |
| 82.5 | 119.491  | 119.191  | 118.683  | 118.207  | 117.742  | 117.276  | 117.058  | 117.493  | 118.176  | 118.839  |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 83.0 | 94.382 | 94.402 | 94.444 | 94.495 | 94.558 | 94.640 | 94.734 | 94.868 | 95.013 | 95.148 |
| 83.5 | 74.592 | 74.623 | 74.675 | 74.737 | 74.810 | 74.882 | 74.965 | 75.037 | 75.100 | 75.172 |
| 84.0 | 58.074 | 58.043 | 58.012 | 57.970 | 57.950 | 57.919 | 57.919 | 57.981 | 58.063 | 58.146 |
| 84.5 | 43.097 | 43.108 | 43.128 | 43.149 | 43.170 | 43.191 | 43.211 | 43.222 | 43.222 | 43.222 |
| 85.0 | 30.812 | 30.853 | 30.936 | 31.019 | 31.102 | 31.185 | 31.226 | 31.185 | 31.112 | 31.040 |
| 85.5 | 22.045 | 22.087 | 22.159 | 22.221 | 22.284 | 22.346 | 22.377 | 22.325 | 22.242 | 22.149 |
| 86.0 | 15.980 | 16.001 | 16.042 | 16.074 | 16.105 | 16.136 | 16.136 | 16.094 | 16.022 | 15.949 |
| 86.5 | 12.379 | 12.389 | 12.410 | 12.420 | 12.441 | 12.451 | 12.451 | 12.430 | 12.410 | 12.379 |
| 87.0 | 10.309 | 10.298 | 10.298 | 10.298 | 10.309 | 10.309 | 10.309 | 10.319 | 10.329 | 10.329 |
| 87.5 | 8.653  | 8.653  | 8.653  | 8.653  | 8.653  | 8.653  | 8.642  | 8.642  | 8.632  | 8.622  |
| 88.0 | 7.576  | 7.587  | 7.587  | 7.597  | 7.587  | 7.587  | 7.576  | 7.555  | 7.524  | 7.493  |
| 88.5 | 6.883  | 6.883  | 6.883  | 6.883  | 6.872  | 6.862  | 6.862  | 6.841  | 6.831  | 6.810  |
| 89.0 | 6.552  | 6.552  | 6.541  | 6.531  | 6.520  | 6.520  | 6.510  | 6.510  | 6.520  | 6.520  |
| 89.5 | 6.510  | 6.510  | 6.500  | 6.489  | 6.489  | 6.479  | 6.479  | 6.479  | 6.489  | 6.500  |
| 90.0 | 6.779  | 6.779  | 6.779  | 6.779  | 6.779  | 6.769  | 6.769  | 6.769  | 6.769  | 6.779  |

**Vert. Angles**      **Horizontal Angles**

|      | <u>25.0</u> | <u>27.5</u> | <u>30.0</u> | <u>32.5</u> | <u>35.0</u> | <u>37.5</u> | <u>40.0</u> | <u>42.5</u> | <u>45.0</u> | <u>47.5</u> |
|------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 0.0  | 6999.280    | 6999.280    | 6999.280    | 6999.280    | 6999.280    | 6999.280    | 6999.280    | 6999.280    | 6999.280    | 6999.280    |
| 0.5  | 6999.001    | 6999.022    | 6999.053    | 6999.084    | 6999.104    | 6999.136    | 6999.146    | 6999.167    | 6999.167    | 6999.125    |
| 1.0  | 6998.245    | 6998.287    | 6998.318    | 6998.359    | 6998.390    | 6998.421    | 6998.442    | 6998.463    | 6998.452    | 6998.390    |
| 1.5  | 6997.045    | 6997.076    | 6997.107    | 6997.128    | 6997.138    | 6997.148    | 6997.138    | 6997.138    | 6997.117    | 6997.045    |
| 2.0  | 6995.358    | 6995.378    | 6995.378    | 6995.378    | 6995.358    | 6995.347    | 6995.316    | 6995.285    | 6995.244    | 6995.182    |
| 2.5  | 6993.122    | 6993.112    | 6993.101    | 6993.081    | 6993.060    | 6993.039    | 6993.008    | 6992.977    | 6992.946    | 6992.894    |
| 3.0  | 6990.452    | 6990.410    | 6990.369    | 6990.348    | 6990.317    | 6990.286    | 6990.266    | 6990.235    | 6990.214    | 6990.172    |
| 3.5  | 6987.461    | 6987.419    | 6987.378    | 6987.326    | 6987.274    | 6987.223    | 6987.171    | 6987.119    | 6987.078    | 6987.047    |
| 4.0  | 6984.014    | 6983.983    | 6983.931    | 6983.869    | 6983.797    | 6983.714    | 6983.642    | 6983.559    | 6983.507    | 6983.476    |
| 4.5  | 6979.988    | 6979.926    | 6979.864    | 6979.802    | 6979.740    | 6979.678    | 6979.615    | 6979.553    | 6979.481    | 6979.419    |
| 5.0  | 6975.455    | 6975.372    | 6975.299    | 6975.248    | 6975.206    | 6975.155    | 6975.113    | 6975.061    | 6974.989    | 6974.885    |
| 5.5  | 6970.466    | 6970.414    | 6970.363    | 6970.311    | 6970.269    | 6970.218    | 6970.156    | 6970.093    | 6970.011    | 6969.886    |
| 6.0  | 6964.970    | 6964.960    | 6964.929    | 6964.877    | 6964.825    | 6964.753    | 6964.670    | 6964.587    | 6964.494    | 6964.370    |
| 6.5  | 6958.884    | 6958.905    | 6958.895    | 6958.833    | 6958.750    | 6958.657    | 6958.553    | 6958.450    | 6958.346    | 6958.274    |
| 7.0  | 6952.312    | 6952.354    | 6952.354    | 6952.281    | 6952.167    | 6952.043    | 6951.929    | 6951.805    | 6951.701    | 6951.650    |
| 7.5  | 6945.357    | 6945.388    | 6945.378    | 6945.284    | 6945.140    | 6944.995    | 6944.860    | 6944.705    | 6944.601    | 6944.560    |
| 8.0  | 6937.936    | 6937.957    | 6937.936    | 6937.822    | 6937.677    | 6937.522    | 6937.377    | 6937.222    | 6937.108    | 6937.077    |
| 8.5  | 6930.018    | 6930.039    | 6930.029    | 6929.935    | 6929.822    | 6929.708    | 6929.594    | 6929.480    | 6929.387    | 6929.356    |
| 9.0  | 6921.604    | 6921.614    | 6921.604    | 6921.562    | 6921.490    | 6921.428    | 6921.355    | 6921.283    | 6921.231    | 6921.200    |
| 9.5  | 6912.610    | 6912.610    | 6912.610    | 6912.589    | 6912.568    | 6912.537    | 6912.516    | 6912.496    | 6912.475    | 6912.475    |
| 10.0 | 6903.108    | 6903.119    | 6903.119    | 6903.129    | 6903.139    | 6903.150    | 6903.160    | 6903.170    | 6903.181    | 6903.191    |
| 10.5 | 6893.141    | 6893.183    | 6893.203    | 6893.234    | 6893.255    | 6893.276    | 6893.296    | 6893.307    | 6893.327    | 6893.327    |
| 11.0 | 6882.708    | 6882.760    | 6882.812    | 6882.853    | 6882.884    | 6882.915    | 6882.936    | 6882.957    | 6882.967    | 6882.936    |
| 11.5 | 6871.841    | 6871.841    | 6871.862    | 6871.924    | 6871.996    | 6872.069    | 6872.131    | 6872.193    | 6872.213    | 6872.162    |
| 12.0 | 6860.446    | 6860.414    | 6860.404    | 6860.477    | 6860.590    | 6860.684    | 6860.777    | 6860.880    | 6860.922    | 6860.839    |
| 12.5 | 6848.481    | 6848.460    | 6848.471    | 6848.564    | 6848.678    | 6848.781    | 6848.874    | 6848.957    | 6848.988    | 6848.885    |
| 13.0 | 6835.916    | 6835.937    | 6835.968    | 6836.040    | 6836.133    | 6836.206    | 6836.268    | 6836.330    | 6836.330    | 6836.216    |
| 13.5 | 6822.740    | 6822.761    | 6822.782    | 6822.792    | 6822.792    | 6822.782    | 6822.761    | 6822.740    | 6822.699    | 6822.606    |
| 14.0 | 6808.923    | 6808.944    | 6808.934    | 6808.882    | 6808.799    | 6808.706    | 6808.623    | 6808.530    | 6808.447    | 6808.395    |
| 14.5 | 6794.392    | 6794.381    | 6794.350    | 6794.299    | 6794.226    | 6794.154    | 6794.092    | 6794.019    | 6793.957    | 6793.916    |
| 15.0 | 6779.219    | 6779.177    | 6779.136    | 6779.105    | 6779.074    | 6779.043    | 6779.012    | 6778.981    | 6778.950    | 6778.908    |
| 15.5 | 6763.425    | 6763.435    | 6763.435    | 6763.425    | 6763.383    | 6763.352    | 6763.311    | 6763.280    | 6763.238    | 6763.187    |
| 16.0 | 6747.061    | 6747.123    | 6747.154    | 6747.134    | 6747.092    | 6747.041    | 6746.989    | 6746.927    | 6746.875    | 6746.834    |
| 16.5 | 6730.191    | 6730.201    | 6730.191    | 6730.149    | 6730.087    | 6730.015    | 6729.953    | 6729.880    | 6729.829    | 6729.808    |
| 17.0 | 6712.772    | 6712.741    | 6712.679    | 6712.606    | 6712.534    | 6712.451    | 6712.378    | 6712.306    | 6712.254    | 6712.254    |
| 17.5 | 6694.814    | 6694.783    | 6694.742    | 6694.680    | 6694.618    | 6694.556    | 6694.494    | 6694.421    | 6694.380    | 6694.369    |
| 18.0 | 6676.298    | 6676.298    | 6676.267    | 6676.226    | 6676.184    | 6676.133    | 6676.071    | 6676.019    | 6675.967    | 6675.936    |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 18.5 | 6657.234 | 6657.213 | 6657.182 | 6657.140 | 6657.078 | 6657.016 | 6656.944 | 6656.871 | 6656.799 | 6656.737 |
| 19.0 | 6637.579 | 6637.569 | 6637.527 | 6637.475 | 6637.413 | 6637.341 | 6637.248 | 6637.155 | 6637.061 | 6636.968 |
| 19.5 | 6617.272 | 6617.334 | 6617.355 | 6617.314 | 6617.252 | 6617.169 | 6617.076 | 6616.972 | 6616.879 | 6616.807 |
| 20.0 | 6596.365 | 6596.500 | 6596.583 | 6596.572 | 6596.521 | 6596.448 | 6596.355 | 6596.251 | 6596.158 | 6596.117 |
| 20.5 | 6574.899 | 6575.055 | 6575.158 | 6575.189 | 6575.168 | 6575.127 | 6575.065 | 6574.982 | 6574.899 | 6574.837 |
| 21.0 | 6552.833 | 6552.999 | 6553.123 | 6553.185 | 6553.195 | 6553.195 | 6553.164 | 6553.113 | 6553.040 | 6552.947 |
| 21.5 | 6530.042 | 6530.270 | 6530.446 | 6530.529 | 6530.570 | 6530.581 | 6530.570 | 6530.529 | 6530.477 | 6530.384 |
| 22.0 | 6506.745 | 6507.045 | 6507.272 | 6507.376 | 6507.407 | 6507.417 | 6507.397 | 6507.355 | 6507.283 | 6507.200 |
| 22.5 | 6483.209 | 6483.612 | 6483.913 | 6483.985 | 6483.944 | 6483.871 | 6483.768 | 6483.633 | 6483.499 | 6483.405 |
| 23.0 | 6459.124 | 6459.600 | 6459.942 | 6459.983 | 6459.890 | 6459.766 | 6459.590 | 6459.383 | 6459.186 | 6459.083 |
| 23.5 | 6434.181 | 6434.615 | 6434.936 | 6435.019 | 6434.978 | 6434.905 | 6434.791 | 6434.636 | 6434.481 | 6434.357 |
| 24.0 | 6408.616 | 6408.989 | 6409.289 | 6409.413 | 6409.444 | 6409.455 | 6409.413 | 6409.351 | 6409.248 | 6409.144 |
| 24.5 | 6382.545 | 6382.948 | 6383.269 | 6383.424 | 6383.497 | 6383.528 | 6383.528 | 6383.497 | 6383.445 | 6383.404 |
| 25.0 | 6355.987 | 6356.401 | 6356.742 | 6356.897 | 6356.980 | 6357.032 | 6357.042 | 6357.032 | 6357.022 | 6357.042 |
| 25.5 | 6328.952 | 6329.294 | 6329.563 | 6329.698 | 6329.749 | 6329.791 | 6329.811 | 6329.811 | 6329.811 | 6329.863 |
| 26.0 | 6301.483 | 6301.732 | 6301.928 | 6302.011 | 6302.042 | 6302.063 | 6302.073 | 6302.063 | 6302.073 | 6302.146 |
| 26.5 | 6273.652 | 6273.870 | 6274.035 | 6274.097 | 6274.108 | 6274.108 | 6274.108 | 6274.087 | 6274.097 | 6274.180 |
| 27.0 | 6245.335 | 6245.531 | 6245.676 | 6245.707 | 6245.687 | 6245.666 | 6245.645 | 6245.614 | 6245.614 | 6245.718 |
| 27.5 | 6216.469 | 6216.603 | 6216.686 | 6216.655 | 6216.582 | 6216.510 | 6216.448 | 6216.386 | 6216.386 | 6216.551 |
| 28.0 | 6187.002 | 6187.085 | 6187.106 | 6187.033 | 6186.919 | 6186.805 | 6186.712 | 6186.630 | 6186.630 | 6186.837 |
| 28.5 | 6156.811 | 6156.853 | 6156.863 | 6156.790 | 6156.708 | 6156.625 | 6156.552 | 6156.501 | 6156.511 | 6156.677 |
| 29.0 | 6126.092 | 6126.113 | 6126.103 | 6126.061 | 6125.999 | 6125.958 | 6125.916 | 6125.885 | 6125.906 | 6126.030 |
| 29.5 | 6095.063 | 6095.084 | 6095.073 | 6095.001 | 6094.918 | 6094.846 | 6094.784 | 6094.742 | 6094.763 | 6094.929 |
| 30.0 | 6063.516 | 6063.537 | 6063.516 | 6063.423 | 6063.299 | 6063.195 | 6063.113 | 6063.051 | 6063.071 | 6063.299 |
| 30.5 | 6031.286 | 6031.276 | 6031.235 | 6031.131 | 6031.007 | 6030.903 | 6030.831 | 6030.769 | 6030.810 | 6031.048 |
| 31.0 | 5998.487 | 5998.435 | 5998.363 | 5998.260 | 5998.146 | 5998.063 | 5998.001 | 5997.959 | 5998.011 | 5998.239 |
| 31.5 | 5965.140 | 5965.067 | 5964.995 | 5964.912 | 5964.829 | 5964.767 | 5964.726 | 5964.715 | 5964.767 | 5964.964 |
| 32.0 | 5931.254 | 5931.202 | 5931.129 | 5931.057 | 5930.974 | 5930.912 | 5930.881 | 5930.860 | 5930.912 | 5931.088 |
| 32.5 | 5896.881 | 5896.892 | 5896.861 | 5896.716 | 5896.550 | 5896.405 | 5896.291 | 5896.198 | 5896.209 | 5896.457 |
| 33.0 | 5861.940 | 5862.022 | 5862.022 | 5861.826 | 5861.567 | 5861.339 | 5861.153 | 5860.977 | 5860.956 | 5861.257 |
| 33.5 | 5826.294 | 5826.377 | 5826.387 | 5826.211 | 5825.963 | 5825.756 | 5825.580 | 5825.425 | 5825.394 | 5825.673 |
| 34.0 | 5790.214 | 5790.297 | 5790.318 | 5790.152 | 5789.924 | 5789.728 | 5789.562 | 5789.417 | 5789.397 | 5789.624 |
| 34.5 | 5754.072 | 5754.165 | 5754.186 | 5753.968 | 5753.668 | 5753.410 | 5753.172 | 5752.954 | 5752.882 | 5753.120 |
| 35.0 | 5717.495 | 5717.619 | 5717.640 | 5717.361 | 5716.978 | 5716.636 | 5716.326 | 5716.025 | 5715.901 | 5716.129 |
| 35.5 | 5680.225 | 5680.380 | 5680.421 | 5680.132 | 5679.718 | 5679.345 | 5678.993 | 5678.652 | 5678.476 | 5678.662 |
| 36.0 | 5642.333 | 5642.499 | 5642.551 | 5642.261 | 5641.837 | 5641.454 | 5641.081 | 5640.719 | 5640.512 | 5640.657 |
| 36.5 | 5603.800 | 5603.935 | 5603.945 | 5603.645 | 5603.221 | 5602.827 | 5602.455 | 5602.103 | 5601.896 | 5602.072 |
| 37.0 | 5564.553 | 5564.636 | 5564.615 | 5564.315 | 5563.922 | 5563.549 | 5563.208 | 5562.887 | 5562.721 | 5562.939 |
| 37.5 | 5524.416 | 5524.468 | 5524.447 | 5524.209 | 5523.909 | 5523.640 | 5523.391 | 5523.163 | 5523.081 | 5523.298 |
| 38.0 | 5483.709 | 5483.730 | 5483.709 | 5483.544 | 5483.326 | 5483.140 | 5482.985 | 5482.850 | 5482.819 | 5483.047 |
| 38.5 | 5442.765 | 5442.806 | 5442.785 | 5442.589 | 5442.340 | 5442.133 | 5441.937 | 5441.771 | 5441.730 | 5441.978 |
| 39.0 | 5401.282 | 5401.323 | 5401.303 | 5401.085 | 5400.816 | 5400.588 | 5400.381 | 5400.195 | 5400.154 | 5400.402 |
| 39.5 | 5359.033 | 5358.992 | 5358.930 | 5358.795 | 5358.661 | 5358.557 | 5358.485 | 5358.443 | 5358.485 | 5358.723 |
| 40.0 | 5316.153 | 5316.008 | 5315.905 | 5315.863 | 5315.884 | 5315.925 | 5316.008 | 5316.122 | 5316.277 | 5316.495 |
| 40.5 | 5272.662 | 5272.455 | 5272.321 | 5272.331 | 5272.414 | 5272.528 | 5272.683 | 5272.880 | 5273.087 | 5273.304 |
| 41.0 | 5228.665 | 5228.447 | 5228.313 | 5228.344 | 5228.468 | 5228.613 | 5228.799 | 5229.027 | 5229.255 | 5229.462 |
| 41.5 | 5184.367 | 5184.242 | 5184.180 | 5184.242 | 5184.356 | 5184.501 | 5184.677 | 5184.874 | 5185.081 | 5185.246 |
| 42.0 | 5139.489 | 5139.479 | 5139.510 | 5139.592 | 5139.706 | 5139.841 | 5139.986 | 5140.162 | 5140.317 | 5140.441 |
| 42.5 | 5093.773 | 5093.835 | 5093.928 | 5094.042 | 5094.177 | 5094.332 | 5094.487 | 5094.663 | 5094.818 | 5094.922 |
| 43.0 | 5047.395 | 5047.509 | 5047.633 | 5047.788 | 5047.954 | 5048.130 | 5048.305 | 5048.481 | 5048.637 | 5048.719 |
| 43.5 | 5000.457 | 5000.592 | 5000.747 | 5000.934 | 5001.130 | 5001.316 | 5001.513 | 5001.699 | 5001.834 | 5001.855 |
| 44.0 | 4952.910 | 4953.044 | 4953.210 | 4953.396 | 4953.593 | 4953.789 | 4953.965 | 4954.141 | 4954.255 | 4954.234 |
| 44.5 | 4904.710 | 4904.834 | 4904.968 | 4905.093 | 4905.227 | 4905.351 | 4905.465 | 4905.579 | 4905.672 | 4905.682 |
| 45.0 | 4855.858 | 4855.992 | 4856.096 | 4856.158 | 4856.189 | 4856.230 | 4856.272 | 4856.303 | 4856.354 | 4856.416 |
| 45.5 | 4806.333 | 4806.540 | 4806.705 | 4806.716 | 4806.674 | 4806.633 | 4806.581 | 4806.540 | 4806.529 | 4806.623 |
| 46.0 | 4756.125 | 4756.404 | 4756.611 | 4756.601 | 4756.508 | 4756.425 | 4756.332 | 4756.239 | 4756.197 | 4756.311 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 46.5 | 4705.255 | 4705.472 | 4705.648 | 4705.658 | 4705.617 | 4705.586 | 4705.545 | 4705.513 | 4705.534 | 4705.689 |
| 47.0 | 4653.670 | 4653.805 | 4653.919 | 4653.960 | 4653.991 | 4654.033 | 4654.084 | 4654.136 | 4654.229 | 4654.436 |
| 47.5 | 4601.268 | 4601.310 | 4601.372 | 4601.434 | 4601.517 | 4601.620 | 4601.734 | 4601.848 | 4602.003 | 4602.231 |
| 48.0 | 4548.307 | 4548.287 | 4548.307 | 4548.369 | 4548.463 | 4548.587 | 4548.732 | 4548.887 | 4549.063 | 4549.301 |
| 48.5 | 4495.129 | 4495.088 | 4495.077 | 4495.088 | 4495.119 | 4495.181 | 4495.264 | 4495.357 | 4495.502 | 4495.729 |
| 49.0 | 4441.506 | 4441.454 | 4441.402 | 4441.350 | 4441.299 | 4441.278 | 4441.288 | 4441.319 | 4441.402 | 4441.609 |
| 49.5 | 4387.386 | 4387.230 | 4387.096 | 4386.992 | 4386.920 | 4386.878 | 4386.858 | 4386.858 | 4386.909 | 4387.065 |
| 50.0 | 4332.665 | 4332.406 | 4332.189 | 4332.065 | 4331.992 | 4331.941 | 4331.910 | 4331.920 | 4331.961 | 4332.075 |
| 50.5 | 4277.096 | 4276.817 | 4276.589 | 4276.475 | 4276.413 | 4276.382 | 4276.392 | 4276.423 | 4276.516 | 4276.682 |
| 51.0 | 4220.978 | 4220.730 | 4220.533 | 4220.440 | 4220.388 | 4220.378 | 4220.419 | 4220.481 | 4220.606 | 4220.844 |
| 51.5 | 4164.643 | 4164.498 | 4164.374 | 4164.281 | 4164.219 | 4164.177 | 4164.188 | 4164.209 | 4164.302 | 4164.550 |
| 52.0 | 4107.749 | 4107.708 | 4107.656 | 4107.584 | 4107.501 | 4107.449 | 4107.418 | 4107.408 | 4107.480 | 4107.729 |
| 52.5 | 4049.934 | 4049.913 | 4049.903 | 4049.862 | 4049.831 | 4049.831 | 4049.851 | 4049.882 | 4049.986 | 4050.265 |
| 53.0 | 3991.633 | 3991.633 | 3991.643 | 3991.622 | 3991.622 | 3991.643 | 3991.684 | 3991.746 | 3991.881 | 3992.160 |
| 53.5 | 3933.528 | 3933.673 | 3933.766 | 3933.662 | 3933.507 | 3933.383 | 3933.269 | 3933.155 | 3933.155 | 3933.393 |
| 54.0 | 3874.429 | 3874.616 | 3874.729 | 3874.595 | 3874.377 | 3874.181 | 3873.995 | 3873.808 | 3873.725 | 3873.881 |
| 54.5 | 3812.898 | 3812.723 | 3812.640 | 3812.743 | 3812.930 | 3813.126 | 3813.333 | 3813.540 | 3813.695 | 3813.675 |
| 55.0 | 3750.302 | 3749.753 | 3749.474 | 3749.784 | 3750.353 | 3750.923 | 3751.502 | 3752.103 | 3752.486 | 3752.310 |
| 55.5 | 3687.498 | 3686.949 | 3686.649 | 3686.898 | 3687.374 | 3687.850 | 3688.336 | 3688.843 | 3689.154 | 3688.947 |
| 56.0 | 3624.466 | 3624.083 | 3623.856 | 3623.928 | 3624.125 | 3624.342 | 3624.560 | 3624.798 | 3624.922 | 3624.756 |
| 56.5 | 3561.683 | 3561.569 | 3561.456 | 3561.311 | 3561.166 | 3561.042 | 3560.917 | 3560.804 | 3560.690 | 3560.597 |
| 57.0 | 3498.600 | 3498.735 | 3498.755 | 3498.455 | 3498.020 | 3497.617 | 3497.213 | 3496.799 | 3496.499 | 3496.478 |
| 57.5 | 3434.885 | 3435.103 | 3435.196 | 3434.937 | 3434.544 | 3434.151 | 3433.757 | 3433.343 | 3433.043 | 3432.991 |
| 58.0 | 3370.395 | 3370.612 | 3370.736 | 3370.581 | 3370.322 | 3370.063 | 3369.784 | 3369.494 | 3369.266 | 3369.184 |
| 58.5 | 3304.796 | 3304.920 | 3305.003 | 3304.920 | 3304.776 | 3304.631 | 3304.475 | 3304.320 | 3304.196 | 3304.144 |
| 59.0 | 3238.370 | 3238.391 | 3238.422 | 3238.401 | 3238.380 | 3238.360 | 3238.339 | 3238.318 | 3238.308 | 3238.298 |
| 59.5 | 3171.178 | 3171.188 | 3171.219 | 3171.292 | 3171.374 | 3171.457 | 3171.530 | 3171.602 | 3171.633 | 3171.571 |
| 60.0 | 3103.572 | 3103.551 | 3103.582 | 3103.748 | 3103.944 | 3104.141 | 3104.317 | 3104.482 | 3104.555 | 3104.410 |
| 60.5 | 3036.038 | 3035.893 | 3035.862 | 3036.131 | 3036.504 | 3036.856 | 3037.187 | 3037.508 | 3037.673 | 3037.466 |
| 61.0 | 2968.245 | 2967.945 | 2967.811 | 2968.142 | 2968.649 | 2969.125 | 2969.591 | 2970.046 | 2970.305 | 2970.088 |
| 61.5 | 2900.142 | 2899.625 | 2899.314 | 2899.583 | 2900.070 | 2900.536 | 2901.012 | 2901.488 | 2901.798 | 2901.664 |
| 62.0 | 2831.418 | 2830.735 | 2830.290 | 2830.487 | 2830.942 | 2831.387 | 2831.863 | 2832.350 | 2832.691 | 2832.660 |
| 62.5 | 2761.525 | 2760.852 | 2760.448 | 2760.728 | 2761.266 | 2761.815 | 2762.384 | 2762.974 | 2763.398 | 2763.398 |
| 63.0 | 2691.124 | 2690.534 | 2690.224 | 2690.607 | 2691.259 | 2691.911 | 2692.573 | 2693.267 | 2693.753 | 2693.743 |
| 63.5 | 2620.837 | 2620.320 | 2620.071 | 2620.506 | 2621.210 | 2621.903 | 2622.617 | 2623.342 | 2623.849 | 2623.818 |
| 64.0 | 2550.323 | 2549.857 | 2549.650 | 2550.095 | 2550.809 | 2551.503 | 2552.206 | 2552.921 | 2553.397 | 2553.293 |
| 64.5 | 2479.953 | 2479.508 | 2479.311 | 2479.715 | 2480.357 | 2480.967 | 2481.578 | 2482.199 | 2482.561 | 2482.282 |
| 65.0 | 2408.207 | 2407.720 | 2407.462 | 2407.783 | 2408.321 | 2408.828 | 2409.335 | 2409.832 | 2410.080 | 2409.635 |
| 65.5 | 2334.173 | 2333.449 | 2332.962 | 2333.118 | 2333.521 | 2333.925 | 2334.329 | 2334.774 | 2334.981 | 2334.556 |
| 66.0 | 2256.383 | 2255.493 | 2254.872 | 2254.913 | 2255.234 | 2255.555 | 2255.917 | 2256.321 | 2256.517 | 2256.134 |
| 66.5 | 2171.564 | 2171.026 | 2170.674 | 2170.892 | 2171.326 | 2171.720 | 2172.103 | 2172.506 | 2172.662 | 2172.206 |
| 67.0 | 2084.117 | 2083.952 | 2083.910 | 2084.304 | 2084.821 | 2085.277 | 2085.680 | 2086.063 | 2086.187 | 2085.711 |
| 67.5 | 1996.888 | 1996.712 | 1996.618 | 1996.856 | 1997.198 | 1997.498 | 1997.767 | 1998.036 | 1998.140 | 1997.860 |
| 68.0 | 1911.221 | 1910.931 | 1910.724 | 1910.796 | 1910.972 | 1911.138 | 1911.314 | 1911.510 | 1911.645 | 1911.583 |
| 68.5 | 1829.787 | 1829.445 | 1829.249 | 1829.425 | 1829.756 | 1830.108 | 1830.470 | 1830.863 | 1831.184 | 1831.256 |
| 69.0 | 1751.365 | 1751.106 | 1751.013 | 1751.292 | 1751.748 | 1752.214 | 1752.710 | 1753.228 | 1753.652 | 1753.828 |
| 69.5 | 1676.358 | 1676.627 | 1676.866 | 1677.010 | 1677.124 | 1677.248 | 1677.362 | 1677.487 | 1677.631 | 1677.880 |
| 70.0 | 1602.490 | 1603.246 | 1603.795 | 1603.784 | 1603.546 | 1603.298 | 1603.039 | 1602.760 | 1602.635 | 1602.956 |
| 70.5 | 1526.687 | 1527.360 | 1527.846 | 1527.846 | 1527.650 | 1527.484 | 1527.308 | 1527.122 | 1527.111 | 1527.598 |
| 71.0 | 1451.805 | 1452.271 | 1452.643 | 1452.705 | 1452.664 | 1452.654 | 1452.654 | 1452.654 | 1452.809 | 1453.326 |
| 71.5 | 1380.866 | 1381.363 | 1381.777 | 1381.953 | 1382.035 | 1382.098 | 1382.129 | 1382.129 | 1382.139 | 1382.242 |
| 72.0 | 1310.289 | 1310.848 | 1311.314 | 1311.552 | 1311.666 | 1311.718 | 1311.697 | 1311.614 | 1311.459 | 1311.210 |
| 72.5 | 1237.135 | 1237.756 | 1238.212 | 1238.243 | 1238.098 | 1237.932 | 1237.736 | 1237.487 | 1237.342 | 1237.467 |
| 73.0 | 1162.419 | 1163.040 | 1163.433 | 1163.247 | 1162.833 | 1162.450 | 1162.067 | 1161.684 | 1161.549 | 1162.077 |
| 73.5 | 1084.701 | 1085.115 | 1085.353 | 1085.146 | 1084.773 | 1084.421 | 1084.059 | 1083.686 | 1083.479 | 1083.717 |
| 74.0 | 1008.369 | 1008.576 | 1008.670 | 1008.494 | 1008.204 | 1007.893 | 1007.562 | 1007.210 | 1006.910 | 1006.755 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |         |         |         |         |         |         |         |         |         |         |
|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 74.5 | 938.610 | 938.797 | 938.817 | 938.528 | 938.083 | 937.627 | 937.130 | 936.623 | 936.189 | 935.961 |
| 75.0 | 871.687 | 871.967 | 872.060 | 871.739 | 871.242 | 870.714 | 870.145 | 869.555 | 869.069 | 868.841 |
| 75.5 | 805.603 | 806.275 | 806.762 | 806.834 | 806.720 | 806.555 | 806.317 | 806.037 | 805.747 | 805.530 |
| 76.0 | 740.325 | 741.257 | 742.054 | 742.519 | 742.819 | 743.047 | 743.182 | 743.254 | 743.213 | 742.995 |
| 76.5 | 674.323 | 674.748 | 675.162 | 675.565 | 675.927 | 676.248 | 676.497 | 676.704 | 676.766 | 676.528 |
| 77.0 | 610.226 | 610.153 | 610.164 | 610.412 | 610.722 | 611.012 | 611.271 | 611.509 | 611.613 | 611.374 |
| 77.5 | 550.651 | 550.837 | 551.055 | 551.334 | 551.624 | 551.893 | 552.121 | 552.338 | 552.431 | 552.286 |
| 78.0 | 494.181 | 494.802 | 495.330 | 495.610 | 495.765 | 495.900 | 495.982 | 496.034 | 496.055 | 496.044 |
| 78.5 | 440.289 | 441.231 | 441.904 | 441.852 | 441.500 | 441.148 | 440.744 | 440.299 | 440.010 | 440.185 |
| 79.0 | 388.870 | 389.916 | 390.568 | 390.267 | 389.574 | 388.870 | 388.146 | 387.369 | 386.883 | 387.193 |
| 79.5 | 339.418 | 339.904 | 340.246 | 340.204 | 340.008 | 339.811 | 339.583 | 339.335 | 339.211 | 339.408 |
| 80.0 | 292.719 | 292.594 | 292.584 | 292.853 | 293.236 | 293.609 | 293.981 | 294.344 | 294.623 | 294.675 |
| 80.5 | 249.042 | 248.700 | 248.524 | 248.773 | 249.187 | 249.601 | 250.035 | 250.470 | 250.801 | 250.832 |
| 81.0 | 209.546 | 209.298 | 209.132 | 209.215 | 209.391 | 209.577 | 209.774 | 210.001 | 210.188 | 210.271 |
| 81.5 | 176.250 | 176.695 | 176.944 | 176.685 | 176.229 | 175.795 | 175.360 | 174.915 | 174.667 | 174.925 |
| 82.0 | 146.898 | 147.933 | 148.533 | 148.026 | 147.063 | 146.132 | 145.179 | 144.196 | 143.596 | 143.989 |
| 82.5 | 119.480 | 120.143 | 120.515 | 120.174 | 119.553 | 118.942 | 118.321 | 117.679 | 117.297 | 117.555 |
| 83.0 | 95.261  | 95.375  | 95.427  | 95.355  | 95.220  | 95.085  | 94.961  | 94.827  | 94.754  | 94.837  |
| 83.5 | 75.224  | 75.276  | 75.307  | 75.307  | 75.296  | 75.265  | 75.244  | 75.213  | 75.193  | 75.203  |
| 84.0 | 58.229  | 58.312  | 58.374  | 58.395  | 58.395  | 58.384  | 58.364  | 58.333  | 58.291  | 58.260  |
| 84.5 | 43.222  | 43.211  | 43.211  | 43.222  | 43.232  | 43.232  | 43.242  | 43.232  | 43.222  | 43.180  |
| 85.0 | 30.946  | 30.864  | 30.791  | 30.771  | 30.771  | 30.781  | 30.781  | 30.791  | 30.781  | 30.739  |
| 85.5 | 22.045  | 21.942  | 21.849  | 21.807  | 21.787  | 21.756  | 21.735  | 21.725  | 21.694  | 21.642  |
| 86.0 | 15.867  | 15.773  | 15.691  | 15.639  | 15.587  | 15.546  | 15.504  | 15.463  | 15.421  | 15.370  |
| 86.5 | 12.337  | 12.306  | 12.275  | 12.244  | 12.223  | 12.203  | 12.182  | 12.172  | 12.151  | 12.141  |
| 87.0 | 10.340  | 10.350  | 10.360  | 10.371  | 10.381  | 10.381  | 10.391  | 10.402  | 10.412  | 10.422  |
| 87.5 | 8.611   | 8.601   | 8.590   | 8.590   | 8.590   | 8.580   | 8.580   | 8.580   | 8.570   | 8.570   |
| 88.0 | 7.452   | 7.421   | 7.390   | 7.369   | 7.348   | 7.328   | 7.307   | 7.286   | 7.266   | 7.235   |
| 88.5 | 6.800   | 6.779   | 6.759   | 6.748   | 6.727   | 6.707   | 6.696   | 6.676   | 6.655   | 6.634   |
| 89.0 | 6.531   | 6.541   | 6.541   | 6.531   | 6.520   | 6.510   | 6.500   | 6.479   | 6.479   | 6.479   |
| 89.5 | 6.510   | 6.520   | 6.520   | 6.520   | 6.510   | 6.510   | 6.500   | 6.489   | 6.489   | 6.489   |
| 90.0 | 6.779   | 6.779   | 6.779   | 6.779   | 6.779   | 6.779   | 6.779   | 6.779   | 6.779   | 6.779   |

**Vert.  
Angles**

**Horizontal Angles**

|     | <u>50.0</u> | <u>52.5</u> | <u>55.0</u> | <u>57.5</u> | <u>60.0</u> | <u>62.5</u> | <u>65.0</u> | <u>67.5</u> | <u>70.0</u> | <u>72.5</u> |
|-----|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 0.0 | 6999.280    | 6999.280    | 6999.280    | 6999.280    | 6999.280    | 6999.280    | 6999.280    | 6999.280    | 6999.280    | 6999.280    |
| 0.5 | 6999.073    | 6999.022    | 6998.970    | 6998.918    | 6998.887    | 6998.908    | 6998.949    | 6998.991    | 6999.032    | 6999.084    |
| 1.0 | 6998.308    | 6998.225    | 6998.152    | 6998.080    | 6998.038    | 6998.080    | 6998.152    | 6998.235    | 6998.308    | 6998.390    |
| 1.5 | 6996.962    | 6996.890    | 6996.817    | 6996.755    | 6996.724    | 6996.796    | 6996.900    | 6997.003    | 6997.107    | 6997.210    |
| 2.0 | 6995.120    | 6995.058    | 6995.006    | 6994.964    | 6994.964    | 6995.047    | 6995.161    | 6995.285    | 6995.410    | 6995.534    |
| 2.5 | 6992.843    | 6992.801    | 6992.770    | 6992.739    | 6992.750    | 6992.843    | 6992.957    | 6993.070    | 6993.184    | 6993.298    |
| 3.0 | 6990.141    | 6990.110    | 6990.090    | 6990.079    | 6990.100    | 6990.172    | 6990.276    | 6990.369    | 6990.462    | 6990.555    |
| 3.5 | 6987.026    | 6987.026    | 6987.026    | 6987.026    | 6987.047    | 6987.098    | 6987.150    | 6987.212    | 6987.264    | 6987.316    |
| 4.0 | 6983.455    | 6983.455    | 6983.455    | 6983.455    | 6983.476    | 6983.497    | 6983.528    | 6983.548    | 6983.579    | 6983.611    |
| 4.5 | 6979.346    | 6979.284    | 6979.232    | 6979.191    | 6979.181    | 6979.212    | 6979.264    | 6979.326    | 6979.388    | 6979.450    |
| 5.0 | 6974.751    | 6974.637    | 6974.534    | 6974.440    | 6974.399    | 6974.440    | 6974.523    | 6974.627    | 6974.730    | 6974.844    |
| 5.5 | 6969.752    | 6969.617    | 6969.503    | 6969.400    | 6969.338    | 6969.379    | 6969.462    | 6969.545    | 6969.648    | 6969.762    |
| 6.0 | 6964.256    | 6964.142    | 6964.039    | 6963.946    | 6963.894    | 6963.925    | 6963.987    | 6964.070    | 6964.153    | 6964.246    |
| 6.5 | 6958.201    | 6958.139    | 6958.087    | 6958.056    | 6958.046    | 6958.077    | 6958.150    | 6958.222    | 6958.294    | 6958.357    |
| 7.0 | 6951.639    | 6951.629    | 6951.639    | 6951.660    | 6951.691    | 6951.753    | 6951.826    | 6951.888    | 6951.950    | 6952.002    |
| 7.5 | 6944.570    | 6944.581    | 6944.612    | 6944.653    | 6944.715    | 6944.788    | 6944.870    | 6944.943    | 6945.015    | 6945.067    |
| 8.0 | 6937.087    | 6937.108    | 6937.139    | 6937.191    | 6937.263    | 6937.346    | 6937.429    | 6937.522    | 6937.605    | 6937.667    |
| 8.5 | 6929.345    | 6929.356    | 6929.387    | 6929.418    | 6929.470    | 6929.552    | 6929.646    | 6929.739    | 6929.822    | 6929.894    |
| 9.0 | 6921.190    | 6921.190    | 6921.190    | 6921.210    | 6921.252    | 6921.314    | 6921.407    | 6921.490    | 6921.573    | 6921.635    |
| 9.5 | 6912.475    | 6912.485    | 6912.506    | 6912.527    | 6912.547    | 6912.599    | 6912.651    | 6912.703    | 6912.744    | 6912.775    |



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 10.0 | 6903.212 | 6903.232 | 6903.253 | 6903.274 | 6903.295 | 6903.326 | 6903.367 | 6903.388 | 6903.419 | 6903.408 |
| 10.5 | 6893.317 | 6893.317 | 6893.317 | 6893.327 | 6893.338 | 6893.410 | 6893.483 | 6893.555 | 6893.607 | 6893.638 |
| 11.0 | 6882.895 | 6882.864 | 6882.833 | 6882.812 | 6882.822 | 6882.915 | 6883.050 | 6883.174 | 6883.278 | 6883.350 |
| 11.5 | 6872.069 | 6871.986 | 6871.913 | 6871.841 | 6871.820 | 6871.934 | 6872.110 | 6872.265 | 6872.410 | 6872.534 |
| 12.0 | 6860.704 | 6860.580 | 6860.456 | 6860.342 | 6860.290 | 6860.404 | 6860.580 | 6860.756 | 6860.932 | 6861.077 |
| 12.5 | 6848.719 | 6848.564 | 6848.419 | 6848.264 | 6848.170 | 6848.253 | 6848.398 | 6848.543 | 6848.688 | 6848.802 |
| 13.0 | 6836.051 | 6835.895 | 6835.740 | 6835.585 | 6835.481 | 6835.543 | 6835.647 | 6835.761 | 6835.864 | 6835.947 |
| 13.5 | 6822.513 | 6822.420 | 6822.337 | 6822.264 | 6822.233 | 6822.316 | 6822.440 | 6822.565 | 6822.678 | 6822.751 |
| 14.0 | 6808.364 | 6808.344 | 6808.333 | 6808.344 | 6808.385 | 6808.499 | 6808.654 | 6808.789 | 6808.913 | 6809.006 |
| 14.5 | 6793.885 | 6793.864 | 6793.864 | 6793.864 | 6793.905 | 6794.009 | 6794.143 | 6794.278 | 6794.413 | 6794.495 |
| 15.0 | 6778.867 | 6778.825 | 6778.805 | 6778.794 | 6778.825 | 6778.908 | 6779.022 | 6779.146 | 6779.281 | 6779.374 |
| 15.5 | 6763.145 | 6763.114 | 6763.104 | 6763.093 | 6763.124 | 6763.228 | 6763.363 | 6763.497 | 6763.642 | 6763.756 |
| 16.0 | 6746.803 | 6746.782 | 6746.782 | 6746.792 | 6746.834 | 6746.937 | 6747.072 | 6747.206 | 6747.351 | 6747.465 |
| 16.5 | 6729.818 | 6729.829 | 6729.849 | 6729.891 | 6729.932 | 6729.994 | 6730.056 | 6730.139 | 6730.222 | 6730.274 |
| 17.0 | 6712.285 | 6712.316 | 6712.368 | 6712.420 | 6712.461 | 6712.472 | 6712.482 | 6712.492 | 6712.523 | 6712.513 |
| 17.5 | 6694.380 | 6694.400 | 6694.421 | 6694.452 | 6694.483 | 6694.483 | 6694.483 | 6694.494 | 6694.525 | 6694.525 |
| 18.0 | 6675.915 | 6675.895 | 6675.884 | 6675.884 | 6675.895 | 6675.905 | 6675.915 | 6675.946 | 6675.998 | 6676.019 |
| 18.5 | 6656.664 | 6656.613 | 6656.561 | 6656.530 | 6656.519 | 6656.540 | 6656.592 | 6656.664 | 6656.747 | 6656.809 |
| 19.0 | 6636.875 | 6636.782 | 6636.720 | 6636.658 | 6636.637 | 6636.668 | 6636.730 | 6636.813 | 6636.917 | 6636.989 |
| 19.5 | 6616.744 | 6616.693 | 6616.641 | 6616.610 | 6616.579 | 6616.558 | 6616.548 | 6616.558 | 6616.589 | 6616.600 |
| 20.0 | 6596.096 | 6596.065 | 6596.034 | 6596.024 | 6595.993 | 6595.920 | 6595.837 | 6595.775 | 6595.734 | 6595.672 |
| 20.5 | 6574.775 | 6574.713 | 6574.651 | 6574.589 | 6574.537 | 6574.475 | 6574.423 | 6574.382 | 6574.372 | 6574.340 |
| 21.0 | 6552.844 | 6552.730 | 6552.626 | 6552.533 | 6552.450 | 6552.409 | 6552.398 | 6552.409 | 6552.440 | 6552.450 |
| 21.5 | 6530.281 | 6530.167 | 6530.063 | 6529.960 | 6529.877 | 6529.835 | 6529.815 | 6529.815 | 6529.835 | 6529.835 |
| 22.0 | 6507.107 | 6507.014 | 6506.921 | 6506.827 | 6506.745 | 6506.693 | 6506.672 | 6506.651 | 6506.662 | 6506.651 |
| 22.5 | 6483.323 | 6483.240 | 6483.167 | 6483.095 | 6483.043 | 6483.012 | 6482.991 | 6482.991 | 6483.012 | 6482.991 |
| 23.0 | 6459.000 | 6458.928 | 6458.866 | 6458.814 | 6458.772 | 6458.752 | 6458.752 | 6458.762 | 6458.793 | 6458.783 |
| 23.5 | 6434.253 | 6434.139 | 6434.036 | 6433.943 | 6433.870 | 6433.850 | 6433.860 | 6433.870 | 6433.901 | 6433.891 |
| 24.0 | 6409.020 | 6408.885 | 6408.761 | 6408.627 | 6408.533 | 6408.502 | 6408.502 | 6408.502 | 6408.523 | 6408.502 |
| 24.5 | 6383.342 | 6383.269 | 6383.197 | 6383.114 | 6383.041 | 6382.990 | 6382.959 | 6382.917 | 6382.886 | 6382.803 |
| 25.0 | 6357.063 | 6357.063 | 6357.063 | 6357.053 | 6357.032 | 6356.980 | 6356.918 | 6356.846 | 6356.773 | 6356.649 |
| 25.5 | 6329.925 | 6329.967 | 6330.018 | 6330.049 | 6330.070 | 6330.080 | 6330.080 | 6330.049 | 6330.018 | 6329.905 |
| 26.0 | 6302.229 | 6302.311 | 6302.394 | 6302.477 | 6302.549 | 6302.622 | 6302.694 | 6302.725 | 6302.736 | 6302.674 |
| 26.5 | 6274.294 | 6274.408 | 6274.522 | 6274.625 | 6274.739 | 6274.853 | 6274.946 | 6275.018 | 6275.060 | 6275.008 |
| 27.0 | 6245.873 | 6246.018 | 6246.173 | 6246.328 | 6246.473 | 6246.608 | 6246.732 | 6246.815 | 6246.866 | 6246.835 |
| 27.5 | 6216.789 | 6217.027 | 6217.276 | 6217.524 | 6217.742 | 6217.897 | 6218.021 | 6218.104 | 6218.145 | 6218.093 |
| 28.0 | 6187.137 | 6187.437 | 6187.758 | 6188.079 | 6188.358 | 6188.534 | 6188.648 | 6188.731 | 6188.772 | 6188.720 |
| 28.5 | 6156.915 | 6157.163 | 6157.422 | 6157.691 | 6157.939 | 6158.136 | 6158.291 | 6158.426 | 6158.519 | 6158.529 |
| 29.0 | 6126.206 | 6126.393 | 6126.600 | 6126.807 | 6127.024 | 6127.231 | 6127.438 | 6127.603 | 6127.748 | 6127.821 |
| 29.5 | 6095.167 | 6095.415 | 6095.684 | 6095.953 | 6096.212 | 6096.429 | 6096.626 | 6096.781 | 6096.916 | 6096.957 |
| 30.0 | 6063.609 | 6063.941 | 6064.282 | 6064.624 | 6064.945 | 6065.172 | 6065.348 | 6065.493 | 6065.607 | 6065.617 |
| 30.5 | 6031.380 | 6031.721 | 6032.083 | 6032.456 | 6032.787 | 6033.046 | 6033.243 | 6033.408 | 6033.543 | 6033.584 |
| 31.0 | 5998.560 | 5998.891 | 5999.243 | 5999.605 | 5999.947 | 6000.226 | 6000.454 | 6000.650 | 6000.806 | 6000.878 |
| 31.5 | 5965.222 | 5965.502 | 5965.802 | 5966.112 | 5966.423 | 5966.692 | 5966.930 | 5967.147 | 5967.334 | 5967.437 |
| 32.0 | 5931.316 | 5931.574 | 5931.844 | 5932.123 | 5932.402 | 5932.661 | 5932.889 | 5933.106 | 5933.293 | 5933.386 |
| 32.5 | 5896.788 | 5897.150 | 5897.523 | 5897.906 | 5898.247 | 5898.465 | 5898.620 | 5898.755 | 5898.848 | 5898.858 |
| 33.0 | 5861.702 | 5862.167 | 5862.643 | 5863.130 | 5863.544 | 5863.730 | 5863.823 | 5863.885 | 5863.906 | 5863.834 |
| 33.5 | 5826.087 | 5826.501 | 5826.946 | 5827.412 | 5827.816 | 5828.043 | 5828.178 | 5828.292 | 5828.364 | 5828.333 |
| 34.0 | 5789.976 | 5790.349 | 5790.752 | 5791.166 | 5791.539 | 5791.818 | 5792.025 | 5792.212 | 5792.346 | 5792.367 |
| 34.5 | 5753.492 | 5753.896 | 5754.331 | 5754.776 | 5755.190 | 5755.480 | 5755.697 | 5755.883 | 5756.018 | 5756.038 |
| 35.0 | 5716.533 | 5716.957 | 5717.423 | 5717.909 | 5718.344 | 5718.634 | 5718.841 | 5719.006 | 5719.130 | 5719.130 |
| 35.5 | 5679.014 | 5679.386 | 5679.811 | 5680.256 | 5680.659 | 5680.918 | 5681.104 | 5681.270 | 5681.394 | 5681.415 |
| 36.0 | 5640.967 | 5641.298 | 5641.671 | 5642.075 | 5642.437 | 5642.644 | 5642.799 | 5642.934 | 5643.048 | 5643.058 |
| 36.5 | 5602.413 | 5602.776 | 5603.169 | 5603.583 | 5603.935 | 5604.080 | 5604.142 | 5604.194 | 5604.225 | 5604.152 |
| 37.0 | 5563.311 | 5563.704 | 5564.118 | 5564.563 | 5564.905 | 5564.988 | 5564.946 | 5564.915 | 5564.874 | 5564.729 |
| 37.5 | 5523.650 | 5524.012 | 5524.395 | 5524.799 | 5525.099 | 5525.140 | 5525.089 | 5525.026 | 5524.975 | 5524.830 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 38.0 | 5483.378 | 5483.709 | 5484.061 | 5484.423 | 5484.703 | 5484.734 | 5484.693 | 5484.651 | 5484.610 | 5484.486 |
| 38.5 | 5442.340 | 5442.713 | 5443.096 | 5443.510 | 5443.820 | 5443.903 | 5443.882 | 5443.872 | 5443.862 | 5443.758 |
| 39.0 | 5400.785 | 5401.189 | 5401.613 | 5402.048 | 5402.420 | 5402.555 | 5402.607 | 5402.658 | 5402.710 | 5402.658 |
| 39.5 | 5359.054 | 5359.395 | 5359.758 | 5360.141 | 5360.482 | 5360.731 | 5360.917 | 5361.103 | 5361.279 | 5361.341 |
| 40.0 | 5316.753 | 5317.023 | 5317.312 | 5317.612 | 5317.923 | 5318.254 | 5318.575 | 5318.886 | 5319.175 | 5319.341 |
| 40.5 | 5273.521 | 5273.770 | 5274.029 | 5274.298 | 5274.577 | 5274.908 | 5275.240 | 5275.560 | 5275.861 | 5276.037 |
| 41.0 | 5229.669 | 5229.886 | 5230.124 | 5230.362 | 5230.621 | 5230.931 | 5231.252 | 5231.563 | 5231.863 | 5232.039 |
| 41.5 | 5185.402 | 5185.588 | 5185.774 | 5185.981 | 5186.219 | 5186.581 | 5186.964 | 5187.337 | 5187.679 | 5187.906 |
| 42.0 | 5140.555 | 5140.690 | 5140.845 | 5141.000 | 5141.228 | 5141.611 | 5142.045 | 5142.459 | 5142.832 | 5143.080 |
| 42.5 | 5095.005 | 5095.108 | 5095.232 | 5095.357 | 5095.533 | 5095.833 | 5096.185 | 5096.526 | 5096.847 | 5097.044 |
| 43.0 | 5048.782 | 5048.844 | 5048.926 | 5048.999 | 5049.123 | 5049.361 | 5049.630 | 5049.899 | 5050.168 | 5050.324 |
| 43.5 | 5001.844 | 5001.834 | 5001.834 | 5001.844 | 5001.927 | 5002.186 | 5002.527 | 5002.859 | 5003.200 | 5003.418 |
| 44.0 | 4954.162 | 4954.110 | 4954.069 | 4954.038 | 4954.100 | 4954.400 | 4954.804 | 4955.197 | 4955.601 | 4955.890 |
| 44.5 | 4905.662 | 4905.672 | 4905.693 | 4905.724 | 4905.827 | 4906.096 | 4906.438 | 4906.790 | 4907.131 | 4907.370 |
| 45.0 | 4856.489 | 4856.582 | 4856.686 | 4856.810 | 4856.965 | 4857.182 | 4857.431 | 4857.679 | 4857.938 | 4858.083 |
| 45.5 | 4806.747 | 4806.892 | 4807.057 | 4807.223 | 4807.399 | 4807.564 | 4807.720 | 4807.885 | 4808.051 | 4808.123 |
| 46.0 | 4756.487 | 4756.674 | 4756.860 | 4757.077 | 4757.253 | 4757.336 | 4757.388 | 4757.460 | 4757.533 | 4757.502 |
| 46.5 | 4705.896 | 4706.103 | 4706.300 | 4706.507 | 4706.652 | 4706.631 | 4706.548 | 4706.476 | 4706.424 | 4706.279 |
| 47.0 | 4654.664 | 4654.881 | 4655.078 | 4655.275 | 4655.378 | 4655.264 | 4655.068 | 4654.892 | 4654.726 | 4654.488 |
| 47.5 | 4602.469 | 4602.686 | 4602.893 | 4603.080 | 4603.173 | 4603.059 | 4602.862 | 4602.676 | 4602.490 | 4602.231 |
| 48.0 | 4549.539 | 4549.767 | 4549.974 | 4550.160 | 4550.264 | 4550.170 | 4550.005 | 4549.839 | 4549.663 | 4549.404 |
| 48.5 | 4495.988 | 4496.226 | 4496.454 | 4496.671 | 4496.795 | 4496.692 | 4496.516 | 4496.330 | 4496.154 | 4495.905 |
| 49.0 | 4441.858 | 4442.106 | 4442.344 | 4442.582 | 4442.717 | 4442.624 | 4442.437 | 4442.261 | 4442.096 | 4441.868 |
| 49.5 | 4387.251 | 4387.437 | 4387.624 | 4387.810 | 4387.934 | 4387.882 | 4387.769 | 4387.665 | 4387.572 | 4387.406 |
| 50.0 | 4332.210 | 4332.365 | 4332.510 | 4332.655 | 4332.758 | 4332.758 | 4332.707 | 4332.655 | 4332.603 | 4332.479 |
| 50.5 | 4276.889 | 4277.096 | 4277.293 | 4277.479 | 4277.613 | 4277.593 | 4277.510 | 4277.417 | 4277.313 | 4277.117 |
| 51.0 | 4221.123 | 4221.403 | 4221.672 | 4221.920 | 4222.086 | 4222.024 | 4221.868 | 4221.703 | 4221.506 | 4221.216 |
| 51.5 | 4164.861 | 4165.150 | 4165.430 | 4165.699 | 4165.844 | 4165.740 | 4165.513 | 4165.275 | 4165.016 | 4164.654 |
| 52.0 | 4108.039 | 4108.329 | 4108.608 | 4108.867 | 4109.002 | 4108.836 | 4108.546 | 4108.246 | 4107.936 | 4107.511 |
| 52.5 | 4050.586 | 4050.897 | 4051.166 | 4051.425 | 4051.549 | 4051.352 | 4051.021 | 4050.669 | 4050.317 | 4049.841 |
| 53.0 | 3992.481 | 3992.792 | 3993.061 | 3993.309 | 3993.413 | 3993.206 | 3992.854 | 3992.492 | 3992.109 | 3991.591 |
| 53.5 | 3933.724 | 3934.045 | 3934.335 | 3934.625 | 3934.759 | 3934.563 | 3934.221 | 3933.859 | 3933.486 | 3932.979 |
| 54.0 | 3874.129 | 3874.367 | 3874.605 | 3874.833 | 3874.936 | 3874.750 | 3874.440 | 3874.119 | 3873.808 | 3873.342 |
| 54.5 | 3813.582 | 3813.457 | 3813.323 | 3813.157 | 3812.971 | 3812.743 | 3812.516 | 3812.309 | 3812.133 | 3811.843 |
| 55.0 | 3751.885 | 3751.440 | 3750.954 | 3750.426 | 3749.970 | 3749.712 | 3749.556 | 3749.443 | 3749.391 | 3749.256 |
| 55.5 | 3688.533 | 3688.088 | 3687.601 | 3687.094 | 3686.639 | 3686.390 | 3686.235 | 3686.111 | 3686.059 | 3685.894 |
| 56.0 | 3624.466 | 3624.166 | 3623.835 | 3623.493 | 3623.173 | 3622.955 | 3622.779 | 3622.634 | 3622.521 | 3622.314 |
| 56.5 | 3560.514 | 3560.431 | 3560.348 | 3560.265 | 3560.183 | 3560.038 | 3559.882 | 3559.758 | 3559.644 | 3559.427 |
| 57.0 | 3496.561 | 3496.665 | 3496.789 | 3496.944 | 3497.037 | 3496.965 | 3496.830 | 3496.716 | 3496.602 | 3496.395 |
| 57.5 | 3433.043 | 3433.116 | 3433.209 | 3433.323 | 3433.385 | 3433.271 | 3433.095 | 3432.950 | 3432.846 | 3432.660 |
| 58.0 | 3369.163 | 3369.142 | 3369.142 | 3369.163 | 3369.132 | 3368.946 | 3368.728 | 3368.573 | 3368.480 | 3368.314 |
| 58.5 | 3304.144 | 3304.134 | 3304.124 | 3304.144 | 3304.113 | 3303.917 | 3303.689 | 3303.523 | 3303.440 | 3303.285 |
| 59.0 | 3238.287 | 3238.266 | 3238.256 | 3238.256 | 3238.215 | 3238.018 | 3237.811 | 3237.677 | 3237.614 | 3237.501 |
| 59.5 | 3171.457 | 3171.354 | 3171.240 | 3171.136 | 3171.033 | 3170.878 | 3170.743 | 3170.691 | 3170.722 | 3170.712 |
| 60.0 | 3104.182 | 3103.944 | 3103.706 | 3103.478 | 3103.282 | 3103.158 | 3103.095 | 3103.116 | 3103.230 | 3103.302 |
| 60.5 | 3037.114 | 3036.742 | 3036.359 | 3035.965 | 3035.645 | 3035.500 | 3035.458 | 3035.489 | 3035.603 | 3035.665 |
| 61.0 | 2969.653 | 2969.208 | 2968.721 | 2968.225 | 2967.811 | 2967.614 | 2967.531 | 2967.500 | 2967.562 | 2967.552 |
| 61.5 | 2901.333 | 2900.981 | 2900.577 | 2900.153 | 2899.749 | 2899.439 | 2899.190 | 2898.994 | 2898.859 | 2898.673 |
| 62.0 | 2832.464 | 2832.226 | 2831.936 | 2831.615 | 2831.253 | 2830.859 | 2830.466 | 2830.125 | 2829.845 | 2829.514 |
| 62.5 | 2763.202 | 2762.974 | 2762.694 | 2762.363 | 2762.022 | 2761.690 | 2761.380 | 2761.111 | 2760.893 | 2760.635 |
| 63.0 | 2693.515 | 2693.256 | 2692.935 | 2692.583 | 2692.252 | 2692.004 | 2691.828 | 2691.693 | 2691.611 | 2691.497 |
| 63.5 | 2623.539 | 2623.238 | 2622.876 | 2622.483 | 2622.131 | 2621.934 | 2621.821 | 2621.748 | 2621.748 | 2621.707 |
| 64.0 | 2552.931 | 2552.548 | 2552.124 | 2551.668 | 2551.296 | 2551.151 | 2551.130 | 2551.151 | 2551.265 | 2551.347 |
| 64.5 | 2481.733 | 2481.195 | 2480.626 | 2480.036 | 2479.612 | 2479.580 | 2479.746 | 2479.974 | 2480.305 | 2480.636 |
| 65.0 | 2408.942 | 2408.259 | 2407.586 | 2406.923 | 2406.489 | 2406.613 | 2407.006 | 2407.472 | 2408.052 | 2408.642 |
| 65.5 | 2333.894 | 2333.283 | 2332.714 | 2332.155 | 2331.886 | 2332.279 | 2332.962 | 2333.708 | 2334.536 | 2335.333 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 66.0 | 2255.544 | 2255.017 | 2254.540 | 2254.095 | 2253.961 | 2254.530 | 2255.410 | 2256.331 | 2257.304 | 2258.215 |
| 66.5 | 2171.533 | 2170.902 | 2170.302 | 2169.722 | 2169.443 | 2169.857 | 2170.571 | 2171.337 | 2172.175 | 2172.962 |
| 67.0 | 2085.007 | 2084.324 | 2083.652 | 2082.989 | 2082.575 | 2082.772 | 2083.258 | 2083.796 | 2084.417 | 2084.997 |
| 67.5 | 1997.426 | 1997.012 | 1996.618 | 1996.225 | 1996.018 | 1996.225 | 1996.618 | 1997.053 | 1997.550 | 1997.985 |
| 68.0 | 1911.459 | 1911.365 | 1911.272 | 1911.200 | 1911.231 | 1911.479 | 1911.831 | 1912.204 | 1912.587 | 1912.887 |
| 68.5 | 1831.236 | 1831.215 | 1831.205 | 1831.174 | 1831.225 | 1831.474 | 1831.795 | 1832.105 | 1832.405 | 1832.602 |
| 69.0 | 1753.890 | 1753.942 | 1753.973 | 1753.983 | 1754.035 | 1754.263 | 1754.542 | 1754.770 | 1754.967 | 1755.029 |
| 69.5 | 1678.159 | 1678.428 | 1678.687 | 1678.925 | 1679.132 | 1679.308 | 1679.443 | 1679.494 | 1679.474 | 1679.308 |
| 70.0 | 1603.453 | 1603.929 | 1604.416 | 1604.892 | 1605.264 | 1605.399 | 1605.388 | 1605.285 | 1605.078 | 1604.685 |
| 70.5 | 1528.260 | 1528.902 | 1529.544 | 1530.165 | 1530.651 | 1530.827 | 1530.827 | 1530.713 | 1530.475 | 1529.999 |
| 71.0 | 1453.989 | 1454.620 | 1455.241 | 1455.831 | 1456.286 | 1456.462 | 1456.473 | 1456.369 | 1456.141 | 1455.655 |
| 71.5 | 1382.356 | 1382.449 | 1382.522 | 1382.574 | 1382.574 | 1382.512 | 1382.387 | 1382.232 | 1382.025 | 1381.632 |
| 72.0 | 1310.900 | 1310.569 | 1310.217 | 1309.844 | 1309.492 | 1309.192 | 1308.913 | 1308.675 | 1308.457 | 1308.126 |
| 72.5 | 1237.694 | 1237.891 | 1238.067 | 1238.253 | 1238.295 | 1238.005 | 1237.591 | 1237.198 | 1236.825 | 1236.307 |
| 73.0 | 1162.843 | 1163.588 | 1164.334 | 1165.079 | 1165.565 | 1165.369 | 1164.892 | 1164.427 | 1163.940 | 1163.299 |
| 73.5 | 1084.121 | 1084.525 | 1084.928 | 1085.353 | 1085.632 | 1085.487 | 1085.197 | 1084.918 | 1084.649 | 1084.256 |
| 74.0 | 1006.672 | 1006.589 | 1006.537 | 1006.506 | 1006.486 | 1006.413 | 1006.351 | 1006.320 | 1006.330 | 1006.258 |
| 74.5 | 935.826  | 935.723  | 935.671  | 935.661  | 935.692  | 935.743  | 935.826  | 935.950  | 936.106  | 936.178  |
| 75.0 | 868.758  | 868.696  | 868.707  | 868.769  | 868.872  | 869.027  | 869.214  | 869.431  | 869.679  | 869.835  |
| 75.5 | 805.344  | 805.178  | 805.044  | 804.951  | 804.940  | 805.075  | 805.302  | 805.561  | 805.872  | 806.120  |
| 76.0 | 742.706  | 742.405  | 742.116  | 741.836  | 741.671  | 741.753  | 741.971  | 742.230  | 742.540  | 742.819  |
| 76.5 | 676.155  | 675.772  | 675.379  | 674.986  | 674.706  | 674.727  | 674.872  | 675.048  | 675.244  | 675.379  |
| 77.0 | 610.981  | 610.598  | 610.184  | 609.760  | 609.439  | 609.418  | 609.511  | 609.594  | 609.687  | 609.656  |
| 77.5 | 552.028  | 551.769  | 551.489  | 551.210  | 551.013  | 551.065  | 551.210  | 551.355  | 551.489  | 551.531  |
| 78.0 | 496.003  | 495.962  | 495.931  | 495.889  | 495.879  | 495.982  | 496.117  | 496.251  | 496.396  | 496.448  |
| 78.5 | 440.548  | 440.889  | 441.252  | 441.624  | 441.883  | 441.810  | 441.603  | 441.407  | 441.200  | 440.900  |
| 79.0 | 387.804  | 388.415  | 389.025  | 389.667  | 390.060  | 389.822  | 389.315  | 388.818  | 388.291  | 387.670  |
| 79.5 | 339.718  | 340.008  | 340.277  | 340.546  | 340.670  | 340.422  | 340.029  | 339.635  | 339.221  | 338.724  |
| 80.0 | 294.613  | 294.530  | 294.395  | 294.219  | 294.033  | 293.847  | 293.661  | 293.464  | 293.257  | 292.988  |
| 80.5 | 250.739  | 250.615  | 250.449  | 250.253  | 250.066  | 249.963  | 249.880  | 249.787  | 249.683  | 249.518  |
| 81.0 | 210.312  | 210.343  | 210.343  | 210.333  | 210.302  | 210.271  | 210.219  | 210.157  | 210.064  | 209.919  |
| 81.5 | 175.391  | 175.857  | 176.333  | 176.819  | 177.161  | 177.109  | 176.892  | 176.654  | 176.385  | 176.053  |
| 82.0 | 144.786  | 145.583  | 146.421  | 147.312  | 147.933  | 147.860  | 147.498  | 147.115  | 146.691  | 146.194  |
| 82.5 | 118.083  | 118.621  | 119.170  | 119.760  | 120.174  | 120.132  | 119.915  | 119.667  | 119.377  | 119.015  |
| 83.0 | 94.982   | 95.127   | 95.272   | 95.417   | 95.520   | 95.520   | 95.479   | 95.406   | 95.303   | 95.137   |
| 83.5 | 75.213   | 75.224   | 75.234   | 75.234   | 75.234   | 75.203   | 75.162   | 75.110   | 75.048   | 74.944   |
| 84.0 | 58.229   | 58.188   | 58.146   | 58.105   | 58.053   | 57.991   | 57.919   | 57.856   | 57.805   | 57.743   |
| 84.5 | 43.118   | 43.066   | 43.004   | 42.942   | 42.890   | 42.859   | 42.839   | 42.818   | 42.818   | 42.797   |
| 85.0 | 30.688   | 30.636   | 30.584   | 30.532   | 30.501   | 30.512   | 30.543   | 30.564   | 30.595   | 30.615   |
| 85.5 | 21.590   | 21.538   | 21.487   | 21.445   | 21.424   | 21.445   | 21.497   | 21.538   | 21.580   | 21.621   |
| 86.0 | 15.318   | 15.277   | 15.246   | 15.214   | 15.194   | 15.225   | 15.277   | 15.318   | 15.359   | 15.401   |
| 86.5 | 12.120   | 12.109   | 12.099   | 12.099   | 12.099   | 12.109   | 12.141   | 12.161   | 12.182   | 12.203   |
| 87.0 | 10.433   | 10.453   | 10.464   | 10.474   | 10.485   | 10.485   | 10.485   | 10.485   | 10.485   | 10.474   |
| 87.5 | 8.559    | 8.549    | 8.539    | 8.528    | 8.528    | 8.518    | 8.508    | 8.497    | 8.497    | 8.487    |
| 88.0 | 7.204    | 7.173    | 7.141    | 7.110    | 7.079    | 7.069    | 7.059    | 7.048    | 7.048    | 7.038    |
| 88.5 | 6.614    | 6.603    | 6.583    | 6.572    | 6.552    | 6.541    | 6.541    | 6.531    | 6.531    | 6.520    |
| 89.0 | 6.479    | 6.479    | 6.479    | 6.489    | 6.489    | 6.489    | 6.479    | 6.479    | 6.479    | 6.469    |
| 89.5 | 6.500    | 6.500    | 6.510    | 6.520    | 6.520    | 6.520    | 6.520    | 6.520    | 6.510    | 6.510    |
| 90.0 | 6.779    | 6.779    | 6.779    | 6.779    | 6.779    | 6.769    | 6.769    | 6.769    | 6.769    | 6.759    |

**Vert.  
Angles**

**Horizontal Angles**

|     | <u>75.0</u> | <u>77.5</u> | <u>80.0</u> | <u>82.5</u> | <u>85.0</u> | <u>87.5</u> | <u>90.0</u> | <u>92.5</u> | <u>95.0</u> | <u>97.5</u> |
|-----|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 0.0 | 6999.280    | 6999.280    | 6999.280    | 6999.280    | 6999.280    | 6999.280    | 6999.280    | 6999.280    | 6999.280    | 6999.280    |
| 0.5 | 6999.115    | 6999.094    | 6999.073    | 6999.042    | 6999.001    | 6998.949    | 6998.908    | 6998.949    | 6999.001    | 6999.042    |
| 1.0 | 6998.442    | 6998.442    | 6998.421    | 6998.380    | 6998.328    | 6998.266    | 6998.183    | 6998.266    | 6998.328    | 6998.380    |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1.5  | 6997.304 | 6997.355 | 6997.386 | 6997.376 | 6997.355 | 6997.293 | 6997.179 | 6997.293 | 6997.355 | 6997.376 |
| 2.0  | 6995.648 | 6995.741 | 6995.813 | 6995.844 | 6995.844 | 6995.792 | 6995.668 | 6995.792 | 6995.844 | 6995.844 |
| 2.5  | 6993.402 | 6993.474 | 6993.526 | 6993.536 | 6993.515 | 6993.443 | 6993.298 | 6993.443 | 6993.515 | 6993.536 |
| 3.0  | 6990.628 | 6990.680 | 6990.700 | 6990.690 | 6990.638 | 6990.566 | 6990.421 | 6990.566 | 6990.638 | 6990.690 |
| 3.5  | 6987.368 | 6987.419 | 6987.461 | 6987.471 | 6987.450 | 6987.409 | 6987.285 | 6987.409 | 6987.450 | 6987.471 |
| 4.0  | 6983.642 | 6983.714 | 6983.786 | 6983.838 | 6983.849 | 6983.828 | 6983.745 | 6983.828 | 6983.849 | 6983.838 |
| 4.5  | 6979.522 | 6979.626 | 6979.719 | 6979.781 | 6979.812 | 6979.802 | 6979.698 | 6979.802 | 6979.812 | 6979.781 |
| 5.0  | 6974.958 | 6975.082 | 6975.196 | 6975.268 | 6975.299 | 6975.289 | 6975.175 | 6975.289 | 6975.299 | 6975.268 |
| 5.5  | 6969.876 | 6970.021 | 6970.145 | 6970.238 | 6970.269 | 6970.269 | 6970.156 | 6970.269 | 6970.269 | 6970.238 |
| 6.0  | 6964.349 | 6964.484 | 6964.618 | 6964.701 | 6964.742 | 6964.732 | 6964.598 | 6964.732 | 6964.742 | 6964.701 |
| 6.5  | 6958.429 | 6958.543 | 6958.646 | 6958.688 | 6958.677 | 6958.615 | 6958.419 | 6958.615 | 6958.677 | 6958.688 |
| 7.0  | 6952.053 | 6952.147 | 6952.219 | 6952.229 | 6952.178 | 6952.053 | 6951.795 | 6952.053 | 6952.178 | 6952.229 |
| 7.5  | 6945.129 | 6945.243 | 6945.336 | 6945.367 | 6945.326 | 6945.202 | 6944.922 | 6945.202 | 6945.326 | 6945.367 |
| 8.0  | 6937.750 | 6937.884 | 6938.008 | 6938.060 | 6938.039 | 6937.926 | 6937.646 | 6937.926 | 6938.039 | 6938.060 |
| 8.5  | 6929.977 | 6930.122 | 6930.256 | 6930.308 | 6930.277 | 6930.163 | 6929.863 | 6930.163 | 6930.277 | 6930.308 |
| 9.0  | 6921.707 | 6921.852 | 6921.987 | 6922.038 | 6921.997 | 6921.873 | 6921.552 | 6921.873 | 6921.997 | 6922.038 |
| 9.5  | 6912.817 | 6912.951 | 6913.075 | 6913.117 | 6913.075 | 6912.951 | 6912.620 | 6912.951 | 6913.075 | 6913.117 |
| 10.0 | 6903.429 | 6903.553 | 6903.667 | 6903.688 | 6903.626 | 6903.491 | 6903.129 | 6903.491 | 6903.626 | 6903.688 |
| 10.5 | 6893.679 | 6893.783 | 6893.866 | 6893.845 | 6893.721 | 6893.503 | 6893.048 | 6893.503 | 6893.721 | 6893.845 |
| 11.0 | 6883.423 | 6883.526 | 6883.588 | 6883.536 | 6883.360 | 6883.060 | 6882.501 | 6883.060 | 6883.360 | 6883.536 |
| 11.5 | 6872.638 | 6872.772 | 6872.845 | 6872.803 | 6872.627 | 6872.327 | 6871.748 | 6872.327 | 6872.627 | 6872.803 |
| 12.0 | 6861.211 | 6861.367 | 6861.470 | 6861.449 | 6861.294 | 6861.004 | 6860.425 | 6861.004 | 6861.294 | 6861.449 |
| 12.5 | 6848.916 | 6849.071 | 6849.185 | 6849.164 | 6849.009 | 6848.719 | 6848.129 | 6848.719 | 6849.009 | 6849.164 |
| 13.0 | 6836.030 | 6836.185 | 6836.289 | 6836.268 | 6836.102 | 6835.813 | 6835.202 | 6835.813 | 6836.102 | 6836.268 |
| 13.5 | 6822.834 | 6822.968 | 6823.051 | 6823.010 | 6822.823 | 6822.502 | 6821.861 | 6822.502 | 6822.823 | 6823.010 |
| 14.0 | 6809.089 | 6809.234 | 6809.337 | 6809.306 | 6809.110 | 6808.789 | 6808.137 | 6808.789 | 6809.110 | 6809.306 |
| 14.5 | 6794.620 | 6794.878 | 6795.106 | 6795.189 | 6795.116 | 6794.889 | 6794.299 | 6794.889 | 6795.116 | 6795.189 |
| 15.0 | 6779.540 | 6779.891 | 6780.254 | 6780.461 | 6780.502 | 6780.388 | 6779.850 | 6780.388 | 6780.502 | 6780.461 |
| 15.5 | 6763.921 | 6764.294 | 6764.656 | 6764.874 | 6764.915 | 6764.812 | 6764.294 | 6764.812 | 6764.915 | 6764.874 |
| 16.0 | 6747.631 | 6747.982 | 6748.334 | 6748.541 | 6748.572 | 6748.469 | 6747.962 | 6748.469 | 6748.572 | 6748.541 |
| 16.5 | 6730.408 | 6730.781 | 6731.164 | 6731.412 | 6731.505 | 6731.464 | 6731.029 | 6731.464 | 6731.505 | 6731.412 |
| 17.0 | 6712.616 | 6712.999 | 6713.434 | 6713.724 | 6713.879 | 6713.910 | 6713.527 | 6713.910 | 6713.879 | 6713.724 |
| 17.5 | 6694.628 | 6695.021 | 6695.467 | 6695.777 | 6695.943 | 6695.974 | 6695.601 | 6695.974 | 6695.943 | 6695.777 |
| 18.0 | 6676.143 | 6676.557 | 6677.012 | 6677.323 | 6677.489 | 6677.509 | 6677.116 | 6677.509 | 6677.489 | 6677.323 |
| 18.5 | 6656.965 | 6657.410 | 6657.886 | 6658.217 | 6658.382 | 6658.403 | 6657.979 | 6658.403 | 6658.382 | 6658.217 |
| 19.0 | 6637.175 | 6637.641 | 6638.138 | 6638.490 | 6638.666 | 6638.686 | 6638.241 | 6638.686 | 6638.666 | 6638.490 |
| 19.5 | 6616.724 | 6617.189 | 6617.707 | 6618.080 | 6618.287 | 6618.349 | 6617.945 | 6618.349 | 6618.287 | 6618.080 |
| 20.0 | 6595.755 | 6596.210 | 6596.738 | 6597.131 | 6597.359 | 6597.452 | 6597.079 | 6597.452 | 6597.359 | 6597.131 |
| 20.5 | 6574.434 | 6574.899 | 6575.427 | 6575.810 | 6576.017 | 6576.090 | 6575.686 | 6576.090 | 6576.017 | 6575.810 |
| 21.0 | 6552.574 | 6553.040 | 6553.547 | 6553.910 | 6554.096 | 6554.137 | 6553.692 | 6554.137 | 6554.096 | 6553.910 |
| 21.5 | 6529.949 | 6530.405 | 6530.891 | 6531.243 | 6531.409 | 6531.429 | 6530.974 | 6531.429 | 6531.409 | 6531.243 |
| 22.0 | 6506.745 | 6507.169 | 6507.645 | 6507.976 | 6508.121 | 6508.121 | 6507.645 | 6508.121 | 6508.121 | 6507.976 |
| 22.5 | 6483.095 | 6483.519 | 6483.975 | 6484.285 | 6484.409 | 6484.368 | 6483.850 | 6484.368 | 6484.409 | 6484.285 |
| 23.0 | 6458.876 | 6459.300 | 6459.745 | 6460.025 | 6460.118 | 6460.035 | 6459.455 | 6460.035 | 6460.118 | 6460.025 |
| 23.5 | 6433.984 | 6434.377 | 6434.802 | 6435.040 | 6435.092 | 6434.957 | 6434.295 | 6434.957 | 6435.092 | 6435.040 |
| 24.0 | 6408.575 | 6408.947 | 6409.341 | 6409.548 | 6409.548 | 6409.361 | 6408.637 | 6409.361 | 6409.548 | 6409.548 |
| 24.5 | 6382.824 | 6383.186 | 6383.569 | 6383.766 | 6383.745 | 6383.549 | 6382.793 | 6383.549 | 6383.745 | 6383.766 |
| 25.0 | 6356.628 | 6356.949 | 6357.311 | 6357.477 | 6357.425 | 6357.177 | 6356.380 | 6357.177 | 6357.425 | 6357.477 |
| 25.5 | 6329.873 | 6330.143 | 6330.401 | 6330.453 | 6330.267 | 6329.873 | 6328.932 | 6329.873 | 6330.267 | 6330.453 |
| 26.0 | 6302.653 | 6302.850 | 6303.015 | 6302.953 | 6302.643 | 6302.115 | 6301.038 | 6302.115 | 6302.643 | 6302.953 |
| 26.5 | 6274.998 | 6275.194 | 6275.350 | 6275.277 | 6274.946 | 6274.377 | 6273.259 | 6274.377 | 6274.946 | 6275.277 |
| 27.0 | 6246.835 | 6247.053 | 6247.229 | 6247.167 | 6246.846 | 6246.297 | 6245.169 | 6246.297 | 6246.846 | 6247.167 |
| 27.5 | 6218.083 | 6218.332 | 6218.539 | 6218.507 | 6218.207 | 6217.659 | 6216.510 | 6217.659 | 6218.207 | 6218.507 |
| 28.0 | 6188.720 | 6188.989 | 6189.248 | 6189.238 | 6188.958 | 6188.430 | 6187.282 | 6188.430 | 6188.958 | 6189.238 |
| 28.5 | 6158.571 | 6158.881 | 6159.150 | 6159.181 | 6158.933 | 6158.446 | 6157.349 | 6158.446 | 6158.933 | 6159.181 |
| 29.0 | 6127.924 | 6128.245 | 6128.535 | 6128.587 | 6128.369 | 6127.924 | 6126.879 | 6127.924 | 6128.369 | 6128.587 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 29.5 | 6097.050 | 6097.381 | 6097.682 | 6097.744 | 6097.537 | 6097.092 | 6096.046 | 6097.092 | 6097.537 | 6097.744 |
| 30.0 | 6065.690 | 6066.031 | 6066.342 | 6066.414 | 6066.207 | 6065.752 | 6064.686 | 6065.752 | 6066.207 | 6066.414 |
| 30.5 | 6033.667 | 6034.008 | 6034.319 | 6034.391 | 6034.184 | 6033.739 | 6032.694 | 6033.739 | 6034.184 | 6034.391 |
| 31.0 | 6000.992 | 6001.344 | 6001.665 | 6001.737 | 6001.551 | 6001.116 | 6000.081 | 6001.116 | 6001.551 | 6001.737 |
| 31.5 | 5967.582 | 5967.975 | 5968.327 | 5968.441 | 5968.276 | 5967.872 | 5966.837 | 5967.872 | 5968.276 | 5968.441 |
| 32.0 | 5933.541 | 5933.976 | 5934.379 | 5934.535 | 5934.400 | 5934.017 | 5932.982 | 5934.017 | 5934.400 | 5934.535 |
| 32.5 | 5898.941 | 5899.386 | 5899.821 | 5900.007 | 5899.903 | 5899.562 | 5898.548 | 5899.562 | 5899.903 | 5900.007 |
| 33.0 | 5863.854 | 5864.289 | 5864.745 | 5864.931 | 5864.848 | 5864.496 | 5863.461 | 5864.496 | 5864.848 | 5864.931 |
| 33.5 | 5828.385 | 5828.809 | 5829.234 | 5829.379 | 5829.223 | 5828.778 | 5827.619 | 5828.778 | 5829.223 | 5829.379 |
| 34.0 | 5792.460 | 5792.884 | 5793.278 | 5793.371 | 5793.133 | 5792.595 | 5791.291 | 5792.595 | 5793.133 | 5793.371 |
| 34.5 | 5756.121 | 5756.535 | 5756.918 | 5756.980 | 5756.711 | 5756.132 | 5754.786 | 5756.132 | 5756.711 | 5756.980 |
| 35.0 | 5719.203 | 5719.627 | 5720.031 | 5720.124 | 5719.865 | 5719.296 | 5717.961 | 5719.296 | 5719.865 | 5720.124 |
| 35.5 | 5681.518 | 5682.036 | 5682.533 | 5682.719 | 5682.553 | 5682.077 | 5680.794 | 5682.077 | 5682.553 | 5682.719 |
| 36.0 | 5643.192 | 5643.813 | 5644.445 | 5644.766 | 5644.724 | 5644.372 | 5643.151 | 5644.372 | 5644.724 | 5644.766 |
| 36.5 | 5604.266 | 5604.980 | 5605.746 | 5606.191 | 5606.274 | 5606.046 | 5604.887 | 5606.046 | 5606.274 | 5606.191 |
| 37.0 | 5564.812 | 5565.598 | 5566.489 | 5567.047 | 5567.254 | 5567.130 | 5566.044 | 5567.130 | 5567.254 | 5567.047 |
| 37.5 | 5524.923 | 5525.761 | 5526.714 | 5527.345 | 5527.624 | 5527.593 | 5526.589 | 5527.593 | 5527.624 | 5527.345 |
| 38.0 | 5484.610 | 5485.479 | 5486.473 | 5487.135 | 5487.456 | 5487.477 | 5486.514 | 5487.477 | 5487.456 | 5487.135 |
| 38.5 | 5443.903 | 5444.804 | 5445.839 | 5446.522 | 5446.832 | 5446.822 | 5445.797 | 5446.822 | 5446.832 | 5446.522 |
| 39.0 | 5402.834 | 5403.756 | 5404.780 | 5405.432 | 5405.691 | 5405.598 | 5404.439 | 5405.598 | 5405.691 | 5405.432 |
| 39.5 | 5361.590 | 5362.480 | 5363.411 | 5363.949 | 5364.053 | 5363.784 | 5362.418 | 5363.784 | 5364.053 | 5363.949 |
| 40.0 | 5319.651 | 5320.510 | 5321.359 | 5321.794 | 5321.763 | 5321.318 | 5319.765 | 5321.318 | 5321.763 | 5321.794 |
| 40.5 | 5276.368 | 5277.258 | 5278.138 | 5278.593 | 5278.572 | 5278.117 | 5276.523 | 5278.117 | 5278.572 | 5278.593 |
| 41.0 | 5232.370 | 5233.281 | 5234.191 | 5234.668 | 5234.657 | 5234.202 | 5232.577 | 5234.202 | 5234.657 | 5234.668 |
| 41.5 | 5188.237 | 5189.086 | 5189.893 | 5190.245 | 5190.090 | 5189.469 | 5187.679 | 5189.469 | 5190.090 | 5190.245 |
| 42.0 | 5143.422 | 5144.229 | 5144.954 | 5145.213 | 5144.954 | 5144.209 | 5142.273 | 5144.209 | 5144.954 | 5145.213 |
| 42.5 | 5097.385 | 5098.286 | 5099.155 | 5099.559 | 5099.424 | 5098.813 | 5096.950 | 5098.813 | 5099.424 | 5099.559 |
| 43.0 | 5050.665 | 5051.680 | 5052.715 | 5053.273 | 5053.284 | 5052.828 | 5051.059 | 5052.828 | 5053.284 | 5053.273 |
| 43.5 | 5003.811 | 5004.846 | 5005.870 | 5006.398 | 5006.388 | 5005.881 | 5004.049 | 5005.881 | 5006.388 | 5006.398 |
| 44.0 | 4956.325 | 4957.339 | 4958.312 | 4958.799 | 4958.726 | 4958.167 | 4956.304 | 4958.167 | 4958.726 | 4958.799 |
| 44.5 | 4907.763 | 4908.756 | 4909.729 | 4910.247 | 4910.236 | 4909.760 | 4908.032 | 4909.760 | 4910.236 | 4910.247 |
| 45.0 | 4858.414 | 4859.387 | 4860.381 | 4860.950 | 4861.033 | 4860.681 | 4859.139 | 4860.681 | 4861.033 | 4860.950 |
| 45.5 | 4808.403 | 4809.396 | 4810.452 | 4811.073 | 4811.239 | 4810.990 | 4809.541 | 4810.990 | 4811.239 | 4811.073 |
| 46.0 | 4757.729 | 4758.744 | 4759.841 | 4760.534 | 4760.782 | 4760.627 | 4759.282 | 4760.627 | 4760.782 | 4760.534 |
| 46.5 | 4706.414 | 4707.397 | 4708.525 | 4709.281 | 4709.622 | 4709.612 | 4708.463 | 4709.612 | 4709.622 | 4709.281 |
| 47.0 | 4654.540 | 4655.471 | 4656.568 | 4657.324 | 4657.717 | 4657.800 | 4656.817 | 4657.800 | 4657.717 | 4657.324 |
| 47.5 | 4602.231 | 4603.017 | 4603.959 | 4604.580 | 4604.860 | 4604.849 | 4603.845 | 4604.849 | 4604.860 | 4604.580 |
| 48.0 | 4549.384 | 4550.057 | 4550.853 | 4551.350 | 4551.516 | 4551.402 | 4550.377 | 4551.402 | 4551.516 | 4551.350 |
| 48.5 | 4495.895 | 4496.599 | 4497.447 | 4498.006 | 4498.265 | 4498.265 | 4497.406 | 4498.265 | 4498.265 | 4498.006 |
| 49.0 | 4441.889 | 4442.634 | 4443.534 | 4444.176 | 4444.528 | 4444.631 | 4443.897 | 4444.631 | 4444.528 | 4444.176 |
| 49.5 | 4387.458 | 4388.151 | 4388.969 | 4389.507 | 4389.745 | 4389.735 | 4388.886 | 4389.735 | 4389.745 | 4389.507 |
| 50.0 | 4332.531 | 4333.162 | 4333.866 | 4334.280 | 4334.373 | 4334.187 | 4333.152 | 4334.187 | 4334.373 | 4334.280 |
| 50.5 | 4277.096 | 4277.686 | 4278.338 | 4278.690 | 4278.700 | 4278.410 | 4277.231 | 4278.410 | 4278.700 | 4278.690 |
| 51.0 | 4221.123 | 4221.692 | 4222.355 | 4222.676 | 4222.645 | 4222.303 | 4220.999 | 4222.303 | 4222.645 | 4222.676 |
| 51.5 | 4164.529 | 4165.171 | 4165.916 | 4166.320 | 4166.341 | 4166.040 | 4164.705 | 4166.040 | 4166.341 | 4166.320 |
| 52.0 | 4107.366 | 4108.091 | 4108.960 | 4109.457 | 4109.540 | 4109.281 | 4107.894 | 4109.281 | 4109.540 | 4109.457 |
| 52.5 | 4049.665 | 4050.441 | 4051.373 | 4051.890 | 4051.963 | 4051.652 | 4050.110 | 4051.652 | 4051.963 | 4051.890 |
| 53.0 | 3991.405 | 3992.233 | 3993.227 | 3993.765 | 3993.816 | 3993.444 | 3991.726 | 3993.444 | 3993.816 | 3993.765 |
| 53.5 | 3932.803 | 3933.704 | 3934.759 | 3935.339 | 3935.401 | 3934.997 | 3933.165 | 3934.997 | 3935.401 | 3935.339 |
| 54.0 | 3873.239 | 3874.243 | 3875.423 | 3876.085 | 3876.178 | 3875.795 | 3873.891 | 3875.795 | 3876.178 | 3876.085 |
| 54.5 | 3811.936 | 3813.219 | 3814.668 | 3815.548 | 3815.807 | 3815.517 | 3813.530 | 3815.517 | 3815.807 | 3815.548 |
| 55.0 | 3749.525 | 3751.016 | 3752.682 | 3753.738 | 3754.121 | 3753.914 | 3751.875 | 3753.914 | 3754.121 | 3753.738 |
| 55.5 | 3686.132 | 3687.529 | 3689.081 | 3690.034 | 3690.334 | 3690.054 | 3688.005 | 3690.054 | 3690.334 | 3690.034 |
| 56.0 | 3622.458 | 3623.669 | 3625.015 | 3625.812 | 3625.988 | 3625.636 | 3623.638 | 3625.636 | 3625.988 | 3625.812 |
| 56.5 | 3559.520 | 3560.565 | 3561.725 | 3562.408 | 3562.553 | 3562.221 | 3560.472 | 3562.221 | 3562.553 | 3562.408 |
| 57.0 | 3496.478 | 3497.441 | 3498.538 | 3499.200 | 3499.407 | 3499.200 | 3497.741 | 3499.200 | 3499.407 | 3499.200 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 57.5 | 3432.826 | 3433.995 | 3435.341 | 3436.262 | 3436.728 | 3436.800 | 3435.548 | 3436.800 | 3436.728 | 3436.262 |
| 58.0 | 3368.573 | 3370.012 | 3371.678 | 3372.910 | 3373.665 | 3374.007 | 3372.920 | 3374.007 | 3373.665 | 3372.910 |
| 58.5 | 3303.596 | 3305.179 | 3307.022 | 3308.419 | 3309.309 | 3309.785 | 3308.760 | 3309.785 | 3309.309 | 3308.419 |
| 59.0 | 3237.852 | 3239.529 | 3241.465 | 3242.945 | 3243.918 | 3244.456 | 3243.441 | 3244.456 | 3243.918 | 3242.945 |
| 59.5 | 3171.157 | 3172.865 | 3174.842 | 3176.363 | 3177.357 | 3177.926 | 3176.953 | 3177.926 | 3177.357 | 3176.363 |
| 60.0 | 3103.810 | 3105.497 | 3107.422 | 3108.881 | 3109.833 | 3110.351 | 3109.357 | 3110.351 | 3109.833 | 3108.881 |
| 60.5 | 3036.121 | 3037.663 | 3039.391 | 3040.644 | 3041.378 | 3041.668 | 3040.468 | 3041.668 | 3041.378 | 3040.644 |
| 61.0 | 2967.904 | 2969.270 | 2970.781 | 2971.837 | 2972.365 | 2972.437 | 2971.050 | 2972.437 | 2972.365 | 2971.837 |
| 61.5 | 2898.869 | 2900.122 | 2901.571 | 2902.585 | 2903.113 | 2903.216 | 2901.912 | 2903.216 | 2903.113 | 2902.585 |
| 62.0 | 2829.576 | 2830.766 | 2832.174 | 2833.188 | 2833.747 | 2833.944 | 2832.795 | 2833.944 | 2833.747 | 2833.188 |
| 62.5 | 2760.738 | 2761.856 | 2763.181 | 2764.123 | 2764.661 | 2764.847 | 2763.802 | 2764.847 | 2764.661 | 2764.123 |
| 63.0 | 2691.693 | 2692.770 | 2694.022 | 2694.923 | 2695.430 | 2695.606 | 2694.643 | 2695.606 | 2695.430 | 2694.923 |
| 63.5 | 2621.976 | 2623.073 | 2624.325 | 2625.246 | 2625.785 | 2626.002 | 2625.112 | 2626.002 | 2625.785 | 2625.246 |
| 64.0 | 2551.710 | 2552.869 | 2554.163 | 2555.115 | 2555.705 | 2555.974 | 2555.167 | 2555.974 | 2555.705 | 2555.115 |
| 64.5 | 2481.216 | 2482.478 | 2483.845 | 2484.900 | 2485.573 | 2485.946 | 2485.273 | 2485.946 | 2485.573 | 2484.900 |
| 65.0 | 2409.439 | 2410.794 | 2412.192 | 2413.268 | 2413.961 | 2414.324 | 2413.672 | 2414.324 | 2413.961 | 2413.268 |
| 65.5 | 2336.264 | 2337.558 | 2338.810 | 2339.669 | 2340.073 | 2340.083 | 2339.007 | 2340.083 | 2340.073 | 2339.669 |
| 66.0 | 2259.188 | 2260.440 | 2261.547 | 2262.220 | 2262.355 | 2262.023 | 2260.523 | 2262.023 | 2262.355 | 2262.220 |
| 66.5 | 2173.873 | 2175.239 | 2176.522 | 2177.319 | 2177.567 | 2177.309 | 2175.746 | 2177.309 | 2177.567 | 2177.319 |
| 67.0 | 2085.784 | 2087.222 | 2088.640 | 2089.582 | 2089.975 | 2089.862 | 2088.371 | 2089.862 | 2089.975 | 2089.582 |
| 67.5 | 1998.616 | 1999.858 | 2001.110 | 2001.918 | 2002.228 | 2002.094 | 2000.707 | 2002.094 | 2002.228 | 2001.918 |
| 68.0 | 1913.342 | 1914.305 | 1915.257 | 1915.826 | 1915.940 | 1915.671 | 1914.326 | 1915.671 | 1915.940 | 1915.826 |
| 68.5 | 1832.881 | 1833.565 | 1834.186 | 1834.424 | 1834.237 | 1833.658 | 1832.095 | 1833.658 | 1834.237 | 1834.424 |
| 69.0 | 1755.132 | 1755.526 | 1755.836 | 1755.753 | 1755.236 | 1754.315 | 1752.452 | 1754.315 | 1755.236 | 1755.753 |
| 69.5 | 1679.153 | 1679.308 | 1679.370 | 1679.039 | 1678.263 | 1677.104 | 1675.013 | 1677.104 | 1678.263 | 1679.039 |
| 70.0 | 1604.322 | 1604.333 | 1604.250 | 1603.753 | 1602.801 | 1601.424 | 1599.085 | 1601.424 | 1602.801 | 1603.753 |
| 70.5 | 1529.564 | 1529.585 | 1529.523 | 1528.943 | 1527.815 | 1526.180 | 1523.375 | 1526.180 | 1527.815 | 1528.943 |
| 71.0 | 1455.262 | 1455.479 | 1455.614 | 1455.158 | 1454.061 | 1452.374 | 1449.269 | 1452.374 | 1454.061 | 1455.158 |
| 71.5 | 1381.466 | 1382.160 | 1382.874 | 1382.998 | 1382.449 | 1381.311 | 1378.579 | 1381.311 | 1382.449 | 1382.998 |
| 72.0 | 1308.168 | 1309.347 | 1310.662 | 1311.386 | 1311.469 | 1310.983 | 1308.768 | 1310.983 | 1311.469 | 1311.386 |
| 72.5 | 1236.256 | 1237.601 | 1239.185 | 1240.189 | 1240.561 | 1240.385 | 1238.409 | 1240.385 | 1240.561 | 1240.189 |
| 73.0 | 1163.143 | 1164.499 | 1166.155 | 1167.252 | 1167.749 | 1167.718 | 1165.948 | 1167.718 | 1167.749 | 1167.252 |
| 73.5 | 1084.266 | 1085.498 | 1086.957 | 1087.930 | 1088.385 | 1088.385 | 1086.885 | 1088.385 | 1088.385 | 1087.930 |
| 74.0 | 1006.486 | 1007.572 | 1008.783 | 1009.591 | 1009.943 | 1009.891 | 1008.587 | 1009.891 | 1009.943 | 1009.591 |
| 74.5 | 936.499  | 937.586  | 938.766  | 939.521  | 939.801  | 939.666  | 938.290  | 939.666  | 939.801  | 939.521  |
| 75.0 | 870.228  | 871.366  | 872.546  | 873.302  | 873.550  | 873.374  | 871.925  | 873.374  | 873.550  | 873.302  |
| 75.5 | 806.596  | 807.766  | 808.997  | 809.825  | 810.219  | 810.219  | 809.049  | 810.219  | 810.219  | 809.825  |
| 76.0 | 743.316  | 744.455  | 745.666  | 746.514  | 746.949  | 747.022  | 746.007  | 747.022  | 746.949  | 746.514  |
| 76.5 | 675.689  | 676.642  | 677.604  | 678.132  | 678.153  | 677.739  | 676.083  | 677.739  | 678.153  | 678.132  |
| 77.0 | 609.791  | 610.546  | 611.271  | 611.478  | 611.116  | 610.236  | 607.980  | 610.236  | 611.116  | 611.478  |
| 77.5 | 551.707  | 552.442  | 553.135  | 553.383  | 553.104  | 552.369  | 550.413  | 552.369  | 553.104  | 553.383  |
| 78.0 | 496.645  | 497.400  | 498.156  | 498.539  | 498.508  | 498.094  | 496.645  | 498.094  | 498.508  | 498.539  |
| 78.5 | 440.848  | 441.593  | 442.473  | 443.021  | 443.208  | 443.083  | 441.955  | 443.083  | 443.208  | 443.021  |
| 79.0 | 387.380  | 388.073  | 388.994  | 389.626  | 389.936  | 389.978  | 389.046  | 389.978  | 389.936  | 389.626  |
| 79.5 | 338.476  | 339.004  | 339.687  | 340.080  | 340.184  | 340.018  | 338.973  | 340.018  | 340.184  | 340.080  |
| 80.0 | 292.853  | 293.195  | 293.578  | 293.702  | 293.536  | 293.102  | 291.932  | 293.102  | 293.536  | 293.702  |
| 80.5 | 249.425  | 249.632  | 249.839  | 249.818  | 249.559  | 249.073  | 247.996  | 249.073  | 249.559  | 249.818  |
| 81.0 | 209.815  | 209.950  | 210.074  | 210.022  | 209.774  | 209.360  | 208.501  | 209.360  | 209.774  | 210.022  |
| 81.5 | 175.836  | 176.012  | 176.271  | 176.405  | 176.405  | 176.292  | 175.805  | 176.292  | 176.405  | 176.405  |
| 82.0 | 145.873  | 146.090  | 146.473  | 146.753  | 146.939  | 147.063  | 146.835  | 147.063  | 146.939  | 146.753  |
| 82.5 | 118.756  | 118.849  | 119.025  | 119.077  | 119.025  | 118.880  | 118.404  | 118.880  | 119.025  | 119.077  |
| 83.0 | 94.982   | 94.972   | 94.930   | 94.765   | 94.454   | 94.009   | 93.274   | 94.009   | 94.454   | 94.765   |
| 83.5 | 74.872   | 74.944   | 75.006   | 74.965   | 74.820   | 74.572   | 74.054   | 74.572   | 74.820   | 74.965   |
| 84.0 | 57.743   | 57.919   | 58.126   | 58.260   | 58.322   | 58.322   | 58.095   | 58.322   | 58.322   | 58.260   |
| 84.5 | 42.828   | 42.994   | 43.191   | 43.315   | 43.366   | 43.346   | 43.118   | 43.346   | 43.366   | 43.315   |
| 85.0 | 30.657   | 30.791   | 30.936   | 30.998   | 30.978   | 30.884   | 30.595   | 30.884   | 30.978   | 30.998   |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 85.5 | 21.663 | 21.745 | 21.818 | 21.828 | 21.787 | 21.683 | 21.445 | 21.683 | 21.787 | 21.828 |
| 86.0 | 15.432 | 15.463 | 15.484 | 15.463 | 15.411 | 15.318 | 15.152 | 15.318 | 15.411 | 15.463 |
| 86.5 | 12.213 | 12.254 | 12.275 | 12.285 | 12.254 | 12.203 | 12.099 | 12.203 | 12.254 | 12.285 |
| 87.0 | 10.485 | 10.526 | 10.578 | 10.609 | 10.609 | 10.598 | 10.536 | 10.598 | 10.609 | 10.609 |
| 87.5 | 8.487  | 8.528  | 8.570  | 8.590  | 8.601  | 8.601  | 8.539  | 8.601  | 8.601  | 8.590  |
| 88.0 | 7.038  | 7.069  | 7.100  | 7.121  | 7.121  | 7.100  | 7.048  | 7.100  | 7.121  | 7.121  |
| 88.5 | 6.520  | 6.541  | 6.562  | 6.583  | 6.583  | 6.572  | 6.531  | 6.572  | 6.583  | 6.583  |
| 89.0 | 6.469  | 6.489  | 6.500  | 6.510  | 6.520  | 6.510  | 6.479  | 6.510  | 6.520  | 6.510  |
| 89.5 | 6.510  | 6.520  | 6.541  | 6.552  | 6.562  | 6.552  | 6.520  | 6.552  | 6.562  | 6.552  |
| 90.0 | 6.769  | 6.790  | 6.810  | 6.821  | 6.821  | 6.821  | 6.790  | 6.821  | 6.821  | 6.821  |

**Vert.  
Angles**

**Horizontal Angles**

|      | <u>100.0</u> | <u>102.5</u> | <u>105.0</u> | <u>107.5</u> | <u>110.0</u> | <u>112.5</u> | <u>115.0</u> | <u>117.5</u> | <u>120.0</u> | <u>122.5</u> |
|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0  | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     |
| 0.5  | 6999.073     | 6999.094     | 6999.115     | 6999.084     | 6999.032     | 6998.991     | 6998.949     | 6998.908     | 6998.887     | 6998.918     |
| 1.0  | 6998.421     | 6998.442     | 6998.442     | 6998.390     | 6998.308     | 6998.235     | 6998.152     | 6998.080     | 6998.038     | 6998.080     |
| 1.5  | 6997.386     | 6997.355     | 6997.304     | 6997.210     | 6997.107     | 6997.003     | 6996.900     | 6996.796     | 6996.724     | 6996.755     |
| 2.0  | 6995.813     | 6995.741     | 6995.648     | 6995.534     | 6995.410     | 6995.285     | 6995.161     | 6995.047     | 6994.964     | 6994.964     |
| 2.5  | 6993.526     | 6993.474     | 6993.402     | 6993.298     | 6993.184     | 6993.070     | 6992.957     | 6992.843     | 6992.750     | 6992.739     |
| 3.0  | 6990.700     | 6990.680     | 6990.628     | 6990.555     | 6990.462     | 6990.369     | 6990.276     | 6990.172     | 6990.100     | 6990.079     |
| 3.5  | 6987.461     | 6987.419     | 6987.368     | 6987.316     | 6987.264     | 6987.212     | 6987.150     | 6987.098     | 6987.047     | 6987.026     |
| 4.0  | 6983.786     | 6983.714     | 6983.642     | 6983.611     | 6983.579     | 6983.548     | 6983.528     | 6983.497     | 6983.476     | 6983.455     |
| 4.5  | 6979.719     | 6979.626     | 6979.522     | 6979.450     | 6979.388     | 6979.326     | 6979.264     | 6979.212     | 6979.181     | 6979.191     |
| 5.0  | 6975.196     | 6975.082     | 6974.958     | 6974.844     | 6974.730     | 6974.627     | 6974.523     | 6974.440     | 6974.399     | 6974.440     |
| 5.5  | 6970.145     | 6970.021     | 6969.876     | 6969.762     | 6969.648     | 6969.545     | 6969.462     | 6969.379     | 6969.338     | 6969.400     |
| 6.0  | 6964.618     | 6964.484     | 6964.349     | 6964.246     | 6964.153     | 6964.070     | 6963.987     | 6963.925     | 6963.894     | 6963.946     |
| 6.5  | 6958.646     | 6958.543     | 6958.429     | 6958.357     | 6958.294     | 6958.222     | 6958.150     | 6958.077     | 6958.046     | 6958.056     |
| 7.0  | 6952.219     | 6952.147     | 6952.053     | 6952.002     | 6951.950     | 6951.888     | 6951.826     | 6951.753     | 6951.691     | 6951.660     |
| 7.5  | 6945.336     | 6945.243     | 6945.129     | 6945.067     | 6945.015     | 6944.943     | 6944.870     | 6944.788     | 6944.715     | 6944.653     |
| 8.0  | 6938.008     | 6937.884     | 6937.750     | 6937.667     | 6937.605     | 6937.522     | 6937.429     | 6937.346     | 6937.263     | 6937.191     |
| 8.5  | 6930.256     | 6930.122     | 6929.977     | 6929.894     | 6929.822     | 6929.739     | 6929.646     | 6929.552     | 6929.470     | 6929.418     |
| 9.0  | 6921.987     | 6921.852     | 6921.707     | 6921.635     | 6921.573     | 6921.490     | 6921.407     | 6921.314     | 6921.252     | 6921.210     |
| 9.5  | 6913.075     | 6912.951     | 6912.817     | 6912.775     | 6912.744     | 6912.703     | 6912.651     | 6912.599     | 6912.547     | 6912.527     |
| 10.0 | 6903.667     | 6903.553     | 6903.429     | 6903.408     | 6903.419     | 6903.388     | 6903.367     | 6903.326     | 6903.295     | 6903.274     |
| 10.5 | 6893.866     | 6893.783     | 6893.679     | 6893.638     | 6893.607     | 6893.555     | 6893.483     | 6893.410     | 6893.338     | 6893.327     |
| 11.0 | 6883.588     | 6883.526     | 6883.423     | 6883.350     | 6883.278     | 6883.174     | 6883.050     | 6882.915     | 6882.822     | 6882.812     |
| 11.5 | 6872.845     | 6872.772     | 6872.638     | 6872.534     | 6872.410     | 6872.265     | 6872.110     | 6871.934     | 6871.820     | 6871.841     |
| 12.0 | 6861.470     | 6861.367     | 6861.211     | 6861.077     | 6860.932     | 6860.756     | 6860.580     | 6860.404     | 6860.290     | 6860.342     |
| 12.5 | 6849.185     | 6849.071     | 6848.916     | 6848.802     | 6848.688     | 6848.543     | 6848.398     | 6848.253     | 6848.170     | 6848.264     |
| 13.0 | 6836.289     | 6836.185     | 6836.030     | 6835.947     | 6835.864     | 6835.761     | 6835.647     | 6835.543     | 6835.481     | 6835.585     |
| 13.5 | 6823.051     | 6822.968     | 6822.834     | 6822.751     | 6822.678     | 6822.565     | 6822.440     | 6822.316     | 6822.233     | 6822.264     |
| 14.0 | 6809.337     | 6809.234     | 6809.089     | 6809.006     | 6808.913     | 6808.789     | 6808.654     | 6808.499     | 6808.385     | 6808.344     |
| 14.5 | 6795.106     | 6794.878     | 6794.620     | 6794.495     | 6794.413     | 6794.278     | 6794.143     | 6794.009     | 6793.905     | 6793.864     |
| 15.0 | 6780.254     | 6779.891     | 6779.540     | 6779.374     | 6779.281     | 6779.146     | 6779.022     | 6778.908     | 6778.825     | 6778.794     |
| 15.5 | 6764.656     | 6764.294     | 6763.921     | 6763.756     | 6763.642     | 6763.497     | 6763.363     | 6763.228     | 6763.124     | 6763.093     |
| 16.0 | 6748.334     | 6747.982     | 6747.631     | 6747.465     | 6747.351     | 6747.206     | 6747.072     | 6746.937     | 6746.834     | 6746.792     |
| 16.5 | 6731.164     | 6730.781     | 6730.408     | 6730.274     | 6730.222     | 6730.139     | 6730.056     | 6729.994     | 6729.932     | 6729.891     |
| 17.0 | 6713.434     | 6712.999     | 6712.616     | 6712.513     | 6712.523     | 6712.492     | 6712.482     | 6712.472     | 6712.461     | 6712.420     |
| 17.5 | 6695.467     | 6695.021     | 6694.628     | 6694.525     | 6694.525     | 6694.494     | 6694.483     | 6694.483     | 6694.483     | 6694.452     |
| 18.0 | 6677.012     | 6676.557     | 6676.143     | 6676.019     | 6675.998     | 6675.946     | 6675.915     | 6675.905     | 6675.895     | 6675.884     |
| 18.5 | 6657.886     | 6657.410     | 6656.965     | 6656.809     | 6656.747     | 6656.664     | 6656.592     | 6656.540     | 6656.519     | 6656.530     |
| 19.0 | 6638.138     | 6637.641     | 6637.175     | 6636.989     | 6636.917     | 6636.813     | 6636.730     | 6636.668     | 6636.637     | 6636.658     |
| 19.5 | 6617.707     | 6617.189     | 6616.724     | 6616.600     | 6616.589     | 6616.558     | 6616.548     | 6616.558     | 6616.579     | 6616.610     |
| 20.0 | 6596.738     | 6596.210     | 6595.755     | 6595.672     | 6595.734     | 6595.775     | 6595.837     | 6595.920     | 6595.993     | 6596.024     |
| 20.5 | 6575.427     | 6574.899     | 6574.434     | 6574.340     | 6574.372     | 6574.382     | 6574.423     | 6574.475     | 6574.537     | 6574.589     |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 21.0 | 6553.547 | 6553.040 | 6552.574 | 6552.450 | 6552.440 | 6552.409 | 6552.398 | 6552.409 | 6552.450 | 6552.533 |
| 21.5 | 6530.891 | 6530.405 | 6529.949 | 6529.835 | 6529.835 | 6529.815 | 6529.815 | 6529.835 | 6529.877 | 6529.960 |
| 22.0 | 6507.645 | 6507.169 | 6506.745 | 6506.651 | 6506.662 | 6506.651 | 6506.672 | 6506.693 | 6506.745 | 6506.827 |
| 22.5 | 6483.975 | 6483.519 | 6483.095 | 6482.991 | 6483.012 | 6482.991 | 6482.991 | 6483.012 | 6483.043 | 6483.095 |
| 23.0 | 6459.745 | 6459.300 | 6458.876 | 6458.783 | 6458.793 | 6458.762 | 6458.752 | 6458.752 | 6458.772 | 6458.814 |
| 23.5 | 6434.802 | 6434.377 | 6433.984 | 6433.891 | 6433.901 | 6433.870 | 6433.860 | 6433.850 | 6433.870 | 6433.943 |
| 24.0 | 6409.341 | 6408.947 | 6408.575 | 6408.502 | 6408.523 | 6408.502 | 6408.502 | 6408.502 | 6408.533 | 6408.627 |
| 24.5 | 6383.569 | 6383.186 | 6382.824 | 6382.803 | 6382.886 | 6382.917 | 6382.959 | 6382.990 | 6383.041 | 6383.114 |
| 25.0 | 6357.311 | 6356.949 | 6356.628 | 6356.649 | 6356.773 | 6356.846 | 6356.918 | 6356.980 | 6357.032 | 6357.053 |
| 25.5 | 6330.401 | 6330.143 | 6329.873 | 6329.905 | 6330.018 | 6330.049 | 6330.080 | 6330.080 | 6330.070 | 6330.049 |
| 26.0 | 6303.015 | 6302.850 | 6302.653 | 6302.674 | 6302.736 | 6302.725 | 6302.694 | 6302.622 | 6302.549 | 6302.477 |
| 26.5 | 6275.350 | 6275.194 | 6274.998 | 6275.008 | 6275.060 | 6275.018 | 6274.946 | 6274.853 | 6274.739 | 6274.625 |
| 27.0 | 6247.229 | 6247.053 | 6246.835 | 6246.835 | 6246.866 | 6246.815 | 6246.732 | 6246.608 | 6246.473 | 6246.328 |
| 27.5 | 6218.539 | 6218.332 | 6218.083 | 6218.093 | 6218.145 | 6218.104 | 6218.021 | 6217.897 | 6217.742 | 6217.524 |
| 28.0 | 6189.248 | 6188.989 | 6188.720 | 6188.720 | 6188.772 | 6188.731 | 6188.648 | 6188.534 | 6188.358 | 6188.079 |
| 28.5 | 6159.150 | 6158.881 | 6158.571 | 6158.529 | 6158.519 | 6158.426 | 6158.291 | 6158.136 | 6157.939 | 6157.691 |
| 29.0 | 6128.535 | 6128.245 | 6127.924 | 6127.821 | 6127.748 | 6127.603 | 6127.438 | 6127.231 | 6127.024 | 6126.807 |
| 29.5 | 6097.682 | 6097.381 | 6097.050 | 6096.957 | 6096.916 | 6096.781 | 6096.626 | 6096.429 | 6096.212 | 6095.953 |
| 30.0 | 6066.342 | 6066.031 | 6065.690 | 6065.617 | 6065.607 | 6065.493 | 6065.348 | 6065.172 | 6064.945 | 6064.624 |
| 30.5 | 6034.319 | 6034.008 | 6033.667 | 6033.584 | 6033.543 | 6033.408 | 6033.243 | 6033.046 | 6032.787 | 6032.456 |
| 31.0 | 6001.665 | 6001.344 | 6000.992 | 6000.878 | 6000.806 | 6000.650 | 6000.454 | 6000.226 | 5999.947 | 5999.605 |
| 31.5 | 5968.327 | 5967.975 | 5967.582 | 5967.437 | 5967.334 | 5967.147 | 5966.930 | 5966.692 | 5966.423 | 5966.112 |
| 32.0 | 5934.379 | 5933.976 | 5933.541 | 5933.386 | 5933.293 | 5933.106 | 5932.889 | 5932.661 | 5932.402 | 5932.123 |
| 32.5 | 5899.821 | 5899.386 | 5898.941 | 5898.858 | 5898.848 | 5898.755 | 5898.620 | 5898.465 | 5898.247 | 5897.906 |
| 33.0 | 5864.745 | 5864.289 | 5863.854 | 5863.834 | 5863.906 | 5863.885 | 5863.823 | 5863.730 | 5863.544 | 5863.130 |
| 33.5 | 5829.234 | 5828.809 | 5828.385 | 5828.333 | 5828.364 | 5828.292 | 5828.178 | 5828.043 | 5827.816 | 5827.412 |
| 34.0 | 5793.278 | 5792.884 | 5792.460 | 5792.367 | 5792.346 | 5792.212 | 5792.025 | 5791.818 | 5791.539 | 5791.166 |
| 34.5 | 5756.918 | 5756.535 | 5756.121 | 5756.038 | 5756.018 | 5755.883 | 5755.697 | 5755.480 | 5755.190 | 5754.776 |
| 35.0 | 5720.031 | 5719.627 | 5719.203 | 5719.130 | 5719.130 | 5719.006 | 5718.841 | 5718.634 | 5718.344 | 5717.909 |
| 35.5 | 5682.533 | 5682.036 | 5681.518 | 5681.415 | 5681.394 | 5681.270 | 5681.104 | 5680.918 | 5680.659 | 5680.256 |
| 36.0 | 5644.445 | 5643.813 | 5643.192 | 5643.058 | 5643.048 | 5642.934 | 5642.799 | 5642.644 | 5642.437 | 5642.075 |
| 36.5 | 5605.746 | 5604.980 | 5604.266 | 5604.152 | 5604.225 | 5604.194 | 5604.142 | 5604.080 | 5603.935 | 5603.583 |
| 37.0 | 5566.489 | 5565.598 | 5564.812 | 5564.729 | 5564.874 | 5564.915 | 5564.946 | 5564.988 | 5564.905 | 5564.563 |
| 37.5 | 5526.714 | 5525.761 | 5524.923 | 5524.830 | 5524.975 | 5525.026 | 5525.089 | 5525.140 | 5525.099 | 5524.799 |
| 38.0 | 5486.473 | 5485.479 | 5484.610 | 5484.486 | 5484.610 | 5484.651 | 5484.693 | 5484.734 | 5484.703 | 5484.423 |
| 38.5 | 5445.839 | 5444.804 | 5443.903 | 5443.758 | 5443.862 | 5443.872 | 5443.882 | 5443.903 | 5443.820 | 5443.510 |
| 39.0 | 5404.780 | 5403.756 | 5402.834 | 5402.658 | 5402.710 | 5402.658 | 5402.555 | 5402.555 | 5402.420 | 5402.048 |
| 39.5 | 5363.411 | 5362.480 | 5361.590 | 5361.341 | 5361.279 | 5361.103 | 5360.917 | 5360.731 | 5360.482 | 5360.141 |
| 40.0 | 5321.359 | 5320.510 | 5319.651 | 5319.341 | 5319.175 | 5318.886 | 5318.575 | 5318.254 | 5317.923 | 5317.612 |
| 40.5 | 5278.138 | 5277.258 | 5276.368 | 5276.037 | 5275.861 | 5275.560 | 5275.240 | 5274.908 | 5274.577 | 5274.298 |
| 41.0 | 5234.191 | 5233.281 | 5232.370 | 5232.039 | 5231.863 | 5231.563 | 5231.252 | 5230.931 | 5230.621 | 5230.362 |
| 41.5 | 5189.893 | 5189.086 | 5188.237 | 5187.906 | 5187.679 | 5187.337 | 5186.964 | 5186.581 | 5186.219 | 5185.981 |
| 42.0 | 5144.954 | 5144.229 | 5143.422 | 5143.080 | 5142.832 | 5142.459 | 5142.045 | 5141.611 | 5141.228 | 5141.000 |
| 42.5 | 5099.155 | 5098.286 | 5097.385 | 5097.044 | 5096.847 | 5096.526 | 5096.185 | 5095.833 | 5095.533 | 5095.357 |
| 43.0 | 5052.715 | 5051.680 | 5050.665 | 5050.324 | 5050.168 | 5049.899 | 5049.630 | 5049.361 | 5049.123 | 5048.999 |
| 43.5 | 5005.870 | 5004.846 | 5003.811 | 5003.418 | 5003.200 | 5002.859 | 5002.527 | 5002.186 | 5001.927 | 5001.844 |
| 44.0 | 4958.312 | 4957.339 | 4956.325 | 4955.890 | 4955.601 | 4955.197 | 4954.804 | 4954.400 | 4954.100 | 4954.038 |
| 44.5 | 4909.729 | 4908.756 | 4907.763 | 4907.370 | 4907.131 | 4906.790 | 4906.438 | 4906.096 | 4905.827 | 4905.724 |
| 45.0 | 4860.381 | 4859.387 | 4858.414 | 4858.083 | 4857.938 | 4857.679 | 4857.431 | 4857.182 | 4856.965 | 4856.810 |
| 45.5 | 4810.452 | 4809.396 | 4808.403 | 4808.123 | 4808.051 | 4807.885 | 4807.720 | 4807.564 | 4807.399 | 4807.223 |
| 46.0 | 4759.841 | 4758.744 | 4757.729 | 4757.502 | 4757.533 | 4757.460 | 4757.388 | 4757.336 | 4757.253 | 4757.077 |
| 46.5 | 4708.525 | 4707.397 | 4706.414 | 4706.279 | 4706.424 | 4706.476 | 4706.548 | 4706.631 | 4706.652 | 4706.507 |
| 47.0 | 4656.568 | 4655.471 | 4654.540 | 4654.488 | 4654.726 | 4654.892 | 4655.068 | 4655.264 | 4655.378 | 4655.275 |
| 47.5 | 4603.959 | 4603.017 | 4602.231 | 4602.231 | 4602.490 | 4602.676 | 4602.862 | 4603.059 | 4603.173 | 4603.080 |
| 48.0 | 4550.853 | 4550.057 | 4549.384 | 4549.404 | 4549.663 | 4549.839 | 4550.005 | 4550.170 | 4550.264 | 4550.160 |
| 48.5 | 4497.447 | 4496.599 | 4495.895 | 4495.905 | 4496.154 | 4496.330 | 4496.516 | 4496.692 | 4496.795 | 4496.671 |



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 49.0 | 4443.534 | 4442.634 | 4441.889 | 4441.868 | 4442.096 | 4442.261 | 4442.437 | 4442.624 | 4442.717 | 4442.582 |
| 49.5 | 4388.969 | 4388.151 | 4387.458 | 4387.406 | 4387.572 | 4387.665 | 4387.769 | 4387.882 | 4387.934 | 4387.810 |
| 50.0 | 4333.866 | 4333.162 | 4332.531 | 4332.479 | 4332.603 | 4332.655 | 4332.707 | 4332.758 | 4332.758 | 4332.655 |
| 50.5 | 4278.338 | 4277.686 | 4277.096 | 4277.117 | 4277.313 | 4277.417 | 4277.510 | 4277.593 | 4277.613 | 4277.479 |
| 51.0 | 4222.355 | 4221.692 | 4221.123 | 4221.216 | 4221.506 | 4221.703 | 4221.868 | 4222.024 | 4222.086 | 4221.920 |
| 51.5 | 4165.916 | 4165.171 | 4164.529 | 4164.654 | 4165.016 | 4165.275 | 4165.513 | 4165.740 | 4165.844 | 4165.699 |
| 52.0 | 4108.960 | 4108.091 | 4107.366 | 4107.511 | 4107.936 | 4108.246 | 4108.546 | 4108.836 | 4109.002 | 4108.867 |
| 52.5 | 4051.373 | 4050.441 | 4049.665 | 4049.841 | 4050.317 | 4050.669 | 4051.021 | 4051.352 | 4051.549 | 4051.425 |
| 53.0 | 3993.227 | 3992.233 | 3991.405 | 3991.591 | 3992.109 | 3992.492 | 3992.854 | 3993.206 | 3993.413 | 3993.309 |
| 53.5 | 3934.759 | 3933.704 | 3932.803 | 3932.979 | 3933.486 | 3933.859 | 3934.221 | 3934.563 | 3934.759 | 3934.625 |
| 54.0 | 3875.423 | 3874.243 | 3873.239 | 3873.342 | 3873.808 | 3874.119 | 3874.440 | 3874.750 | 3874.936 | 3874.833 |
| 54.5 | 3814.668 | 3813.219 | 3811.936 | 3811.843 | 3812.133 | 3812.309 | 3812.516 | 3812.743 | 3812.971 | 3813.157 |
| 55.0 | 3752.682 | 3751.016 | 3749.525 | 3749.256 | 3749.391 | 3749.443 | 3749.556 | 3749.712 | 3749.970 | 3750.426 |
| 55.5 | 3689.081 | 3687.529 | 3686.132 | 3685.894 | 3686.059 | 3686.111 | 3686.235 | 3686.390 | 3686.639 | 3687.094 |
| 56.0 | 3625.015 | 3623.669 | 3622.458 | 3622.314 | 3622.521 | 3622.634 | 3622.779 | 3622.955 | 3623.173 | 3623.493 |
| 56.5 | 3561.725 | 3560.565 | 3559.520 | 3559.427 | 3559.644 | 3559.758 | 3559.882 | 3560.038 | 3560.183 | 3560.265 |
| 57.0 | 3498.538 | 3497.441 | 3496.478 | 3496.395 | 3496.602 | 3496.716 | 3496.830 | 3496.965 | 3497.037 | 3496.944 |
| 57.5 | 3435.341 | 3433.995 | 3432.826 | 3432.660 | 3432.846 | 3432.950 | 3433.095 | 3433.271 | 3433.385 | 3433.323 |
| 58.0 | 3371.678 | 3370.012 | 3368.573 | 3368.314 | 3368.480 | 3368.573 | 3368.728 | 3368.946 | 3369.132 | 3369.163 |
| 58.5 | 3307.022 | 3305.179 | 3303.596 | 3303.285 | 3303.440 | 3303.523 | 3303.689 | 3303.917 | 3304.113 | 3304.144 |
| 59.0 | 3241.465 | 3239.529 | 3237.852 | 3237.501 | 3237.614 | 3237.677 | 3237.811 | 3238.018 | 3238.215 | 3238.256 |
| 59.5 | 3174.842 | 3172.865 | 3171.157 | 3170.712 | 3170.722 | 3170.691 | 3170.743 | 3170.878 | 3171.033 | 3171.136 |
| 60.0 | 3107.422 | 3105.497 | 3103.810 | 3103.302 | 3103.230 | 3103.116 | 3103.095 | 3103.158 | 3103.282 | 3103.478 |
| 60.5 | 3039.391 | 3037.663 | 3036.121 | 3035.665 | 3035.603 | 3035.489 | 3035.458 | 3035.500 | 3035.645 | 3035.965 |
| 61.0 | 2970.781 | 2969.270 | 2967.904 | 2967.552 | 2967.562 | 2967.500 | 2967.531 | 2967.614 | 2967.811 | 2968.225 |
| 61.5 | 2901.571 | 2900.122 | 2898.869 | 2898.673 | 2898.859 | 2898.994 | 2899.190 | 2899.439 | 2899.749 | 2900.153 |
| 62.0 | 2832.174 | 2830.766 | 2829.576 | 2829.514 | 2829.845 | 2830.125 | 2830.466 | 2830.859 | 2831.253 | 2831.615 |
| 62.5 | 2763.181 | 2761.856 | 2760.738 | 2760.635 | 2760.893 | 2761.111 | 2761.380 | 2761.690 | 2762.022 | 2762.363 |
| 63.0 | 2694.022 | 2692.770 | 2691.693 | 2691.497 | 2691.611 | 2691.693 | 2691.828 | 2692.004 | 2692.252 | 2692.583 |
| 63.5 | 2624.325 | 2623.073 | 2621.976 | 2621.707 | 2621.748 | 2621.748 | 2621.821 | 2621.934 | 2622.131 | 2622.483 |
| 64.0 | 2554.163 | 2552.869 | 2551.710 | 2551.347 | 2551.265 | 2551.151 | 2551.130 | 2551.151 | 2551.296 | 2551.668 |
| 64.5 | 2483.845 | 2482.478 | 2481.216 | 2480.636 | 2480.305 | 2479.974 | 2479.746 | 2479.580 | 2479.612 | 2480.036 |
| 65.0 | 2412.192 | 2410.794 | 2409.439 | 2408.642 | 2408.052 | 2407.472 | 2407.006 | 2406.613 | 2406.489 | 2406.923 |
| 65.5 | 2338.810 | 2337.558 | 2336.264 | 2335.333 | 2334.536 | 2333.708 | 2332.962 | 2332.279 | 2331.886 | 2332.155 |
| 66.0 | 2261.547 | 2260.440 | 2259.188 | 2258.215 | 2257.304 | 2256.331 | 2255.410 | 2254.530 | 2253.961 | 2254.095 |
| 66.5 | 2176.522 | 2175.239 | 2173.873 | 2172.962 | 2172.175 | 2171.337 | 2170.571 | 2169.857 | 2169.443 | 2169.722 |
| 67.0 | 2088.640 | 2087.222 | 2085.784 | 2084.997 | 2084.417 | 2083.796 | 2083.258 | 2082.772 | 2082.575 | 2082.989 |
| 67.5 | 2001.110 | 1999.858 | 1998.616 | 1997.985 | 1997.550 | 1997.053 | 1996.618 | 1996.225 | 1996.018 | 1996.225 |
| 68.0 | 1915.257 | 1914.305 | 1913.342 | 1912.887 | 1912.587 | 1912.204 | 1911.831 | 1911.479 | 1911.231 | 1911.200 |
| 68.5 | 1834.186 | 1833.565 | 1832.881 | 1832.602 | 1832.405 | 1832.105 | 1831.795 | 1831.474 | 1831.225 | 1831.174 |
| 69.0 | 1755.836 | 1755.526 | 1755.132 | 1755.029 | 1754.967 | 1754.770 | 1754.542 | 1754.263 | 1754.035 | 1753.983 |
| 69.5 | 1679.370 | 1679.308 | 1679.153 | 1679.308 | 1679.474 | 1679.494 | 1679.443 | 1679.308 | 1679.132 | 1678.925 |
| 70.0 | 1604.250 | 1604.333 | 1604.322 | 1604.685 | 1605.078 | 1605.285 | 1605.388 | 1605.399 | 1605.264 | 1604.892 |
| 70.5 | 1529.523 | 1529.585 | 1529.564 | 1529.999 | 1530.475 | 1530.713 | 1530.827 | 1530.827 | 1530.651 | 1530.165 |
| 71.0 | 1455.614 | 1455.479 | 1455.262 | 1455.655 | 1456.141 | 1456.369 | 1456.473 | 1456.462 | 1456.286 | 1455.831 |
| 71.5 | 1382.874 | 1382.160 | 1381.466 | 1381.632 | 1382.025 | 1382.232 | 1382.387 | 1382.512 | 1382.574 | 1382.574 |
| 72.0 | 1310.662 | 1309.347 | 1308.168 | 1308.126 | 1308.457 | 1308.675 | 1308.913 | 1309.192 | 1309.492 | 1309.844 |
| 72.5 | 1239.185 | 1237.601 | 1236.256 | 1236.307 | 1236.825 | 1237.198 | 1237.591 | 1238.005 | 1238.295 | 1238.253 |
| 73.0 | 1166.155 | 1164.499 | 1163.143 | 1163.299 | 1163.940 | 1164.427 | 1164.892 | 1165.369 | 1165.565 | 1165.079 |
| 73.5 | 1086.957 | 1085.498 | 1084.266 | 1084.256 | 1084.649 | 1084.918 | 1085.197 | 1085.487 | 1085.632 | 1085.353 |
| 74.0 | 1008.783 | 1007.572 | 1006.486 | 1006.258 | 1006.330 | 1006.320 | 1006.351 | 1006.413 | 1006.486 | 1006.506 |
| 74.5 | 938.766  | 937.586  | 936.499  | 936.178  | 936.106  | 935.950  | 935.826  | 935.743  | 935.692  | 935.661  |
| 75.0 | 872.546  | 871.366  | 870.228  | 869.835  | 869.679  | 869.431  | 869.214  | 869.027  | 868.872  | 868.769  |
| 75.5 | 808.997  | 807.766  | 806.596  | 806.120  | 805.872  | 805.561  | 805.302  | 805.075  | 804.940  | 804.951  |
| 76.0 | 745.666  | 744.455  | 743.316  | 742.819  | 742.540  | 742.230  | 741.971  | 741.753  | 741.671  | 741.836  |
| 76.5 | 677.604  | 676.642  | 675.689  | 675.379  | 675.244  | 675.048  | 674.872  | 674.727  | 674.706  | 674.986  |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |         |         |         |         |         |         |         |         |         |         |
|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 77.0 | 611.271 | 610.546 | 609.791 | 609.656 | 609.687 | 609.594 | 609.511 | 609.418 | 609.439 | 609.760 |
| 77.5 | 553.135 | 552.442 | 551.707 | 551.531 | 551.489 | 551.355 | 551.210 | 551.065 | 551.013 | 551.210 |
| 78.0 | 498.156 | 497.400 | 496.645 | 496.448 | 496.396 | 496.251 | 496.117 | 495.982 | 495.879 | 495.889 |
| 78.5 | 442.473 | 441.593 | 440.848 | 440.900 | 441.200 | 441.407 | 441.603 | 441.810 | 441.883 | 441.624 |
| 79.0 | 388.994 | 388.073 | 387.380 | 387.670 | 388.291 | 388.818 | 389.315 | 389.822 | 390.060 | 389.667 |
| 79.5 | 339.687 | 339.004 | 338.476 | 338.724 | 339.221 | 339.635 | 340.029 | 340.422 | 340.670 | 340.546 |
| 80.0 | 293.578 | 293.195 | 292.853 | 292.988 | 293.257 | 293.464 | 293.661 | 293.847 | 294.033 | 294.219 |
| 80.5 | 249.839 | 249.632 | 249.425 | 249.518 | 249.683 | 249.787 | 249.880 | 249.963 | 250.066 | 250.253 |
| 81.0 | 210.074 | 209.950 | 209.815 | 209.919 | 210.064 | 210.157 | 210.219 | 210.271 | 210.302 | 210.333 |
| 81.5 | 176.271 | 176.012 | 175.836 | 176.053 | 176.385 | 176.654 | 176.892 | 177.109 | 177.161 | 176.819 |
| 82.0 | 146.473 | 146.090 | 145.873 | 146.194 | 146.691 | 147.115 | 147.498 | 147.860 | 147.933 | 147.312 |
| 82.5 | 119.025 | 118.849 | 118.756 | 119.015 | 119.377 | 119.667 | 119.915 | 120.132 | 120.174 | 119.760 |
| 83.0 | 94.930  | 94.972  | 94.982  | 95.137  | 95.303  | 95.406  | 95.479  | 95.520  | 95.520  | 95.417  |
| 83.5 | 75.006  | 74.944  | 74.872  | 74.944  | 75.048  | 75.110  | 75.162  | 75.203  | 75.234  | 75.234  |
| 84.0 | 58.126  | 57.919  | 57.743  | 57.743  | 57.805  | 57.856  | 57.919  | 57.991  | 58.053  | 58.105  |
| 84.5 | 43.191  | 42.994  | 42.828  | 42.797  | 42.818  | 42.818  | 42.839  | 42.859  | 42.890  | 42.942  |
| 85.0 | 30.936  | 30.791  | 30.657  | 30.615  | 30.595  | 30.564  | 30.543  | 30.512  | 30.501  | 30.532  |
| 85.5 | 21.818  | 21.745  | 21.663  | 21.621  | 21.580  | 21.538  | 21.497  | 21.445  | 21.424  | 21.445  |
| 86.0 | 15.484  | 15.463  | 15.432  | 15.401  | 15.359  | 15.318  | 15.277  | 15.225  | 15.194  | 15.214  |
| 86.5 | 12.275  | 12.254  | 12.213  | 12.203  | 12.182  | 12.161  | 12.141  | 12.109  | 12.099  | 12.099  |
| 87.0 | 10.578  | 10.526  | 10.485  | 10.474  | 10.485  | 10.485  | 10.485  | 10.485  | 10.485  | 10.474  |
| 87.5 | 8.570   | 8.528   | 8.487   | 8.487   | 8.497   | 8.497   | 8.508   | 8.518   | 8.528   | 8.528   |
| 88.0 | 7.100   | 7.069   | 7.038   | 7.038   | 7.048   | 7.048   | 7.059   | 7.069   | 7.079   | 7.110   |
| 88.5 | 6.562   | 6.541   | 6.520   | 6.520   | 6.531   | 6.531   | 6.541   | 6.541   | 6.552   | 6.572   |
| 89.0 | 6.500   | 6.489   | 6.469   | 6.469   | 6.479   | 6.479   | 6.479   | 6.489   | 6.489   | 6.489   |
| 89.5 | 6.541   | 6.520   | 6.510   | 6.510   | 6.510   | 6.520   | 6.520   | 6.520   | 6.520   | 6.520   |
| 90.0 | 6.810   | 6.790   | 6.769   | 6.759   | 6.769   | 6.769   | 6.769   | 6.769   | 6.779   | 6.779   |

**Vert. Angles**      **Horizontal Angles**

|      | <u>125.0</u> | <u>127.5</u> | <u>130.0</u> | <u>132.5</u> | <u>135.0</u> | <u>137.5</u> | <u>140.0</u> | <u>142.5</u> | <u>145.0</u> | <u>147.5</u> |
|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0  | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     |
| 0.5  | 6998.970     | 6999.022     | 6999.073     | 6999.125     | 6999.167     | 6999.167     | 6999.146     | 6999.136     | 6999.104     | 6999.084     |
| 1.0  | 6998.152     | 6998.225     | 6998.308     | 6998.390     | 6998.452     | 6998.463     | 6998.442     | 6998.421     | 6998.390     | 6998.359     |
| 1.5  | 6996.817     | 6996.890     | 6996.962     | 6997.045     | 6997.117     | 6997.138     | 6997.138     | 6997.148     | 6997.138     | 6997.128     |
| 2.0  | 6995.006     | 6995.058     | 6995.120     | 6995.182     | 6995.244     | 6995.285     | 6995.316     | 6995.347     | 6995.358     | 6995.378     |
| 2.5  | 6992.770     | 6992.801     | 6992.843     | 6992.894     | 6992.946     | 6992.977     | 6993.008     | 6993.039     | 6993.060     | 6993.081     |
| 3.0  | 6990.090     | 6990.110     | 6990.141     | 6990.172     | 6990.214     | 6990.235     | 6990.266     | 6990.286     | 6990.317     | 6990.348     |
| 3.5  | 6987.026     | 6987.026     | 6987.026     | 6987.047     | 6987.078     | 6987.119     | 6987.171     | 6987.223     | 6987.274     | 6987.326     |
| 4.0  | 6983.455     | 6983.455     | 6983.455     | 6983.476     | 6983.507     | 6983.559     | 6983.642     | 6983.714     | 6983.797     | 6983.869     |
| 4.5  | 6979.232     | 6979.284     | 6979.346     | 6979.419     | 6979.481     | 6979.553     | 6979.615     | 6979.678     | 6979.740     | 6979.802     |
| 5.0  | 6974.534     | 6974.637     | 6974.751     | 6974.885     | 6974.989     | 6975.061     | 6975.113     | 6975.155     | 6975.206     | 6975.248     |
| 5.5  | 6969.503     | 6969.617     | 6969.752     | 6969.886     | 6970.011     | 6970.093     | 6970.156     | 6970.218     | 6970.269     | 6970.311     |
| 6.0  | 6964.039     | 6964.142     | 6964.256     | 6964.370     | 6964.494     | 6964.587     | 6964.670     | 6964.753     | 6964.825     | 6964.877     |
| 6.5  | 6958.087     | 6958.139     | 6958.201     | 6958.274     | 6958.346     | 6958.450     | 6958.553     | 6958.657     | 6958.750     | 6958.833     |
| 7.0  | 6951.639     | 6951.629     | 6951.639     | 6951.650     | 6951.701     | 6951.805     | 6951.929     | 6952.043     | 6952.167     | 6952.281     |
| 7.5  | 6944.612     | 6944.581     | 6944.570     | 6944.560     | 6944.601     | 6944.705     | 6944.860     | 6944.995     | 6945.140     | 6945.284     |
| 8.0  | 6937.139     | 6937.108     | 6937.087     | 6937.077     | 6937.108     | 6937.222     | 6937.377     | 6937.522     | 6937.677     | 6937.822     |
| 8.5  | 6929.387     | 6929.356     | 6929.345     | 6929.356     | 6929.387     | 6929.480     | 6929.594     | 6929.708     | 6929.822     | 6929.935     |
| 9.0  | 6921.190     | 6921.190     | 6921.190     | 6921.200     | 6921.231     | 6921.283     | 6921.355     | 6921.428     | 6921.490     | 6921.562     |
| 9.5  | 6912.506     | 6912.485     | 6912.475     | 6912.475     | 6912.475     | 6912.496     | 6912.516     | 6912.537     | 6912.568     | 6912.589     |
| 10.0 | 6903.253     | 6903.232     | 6903.212     | 6903.191     | 6903.181     | 6903.170     | 6903.160     | 6903.150     | 6903.139     | 6903.129     |
| 10.5 | 6893.317     | 6893.317     | 6893.317     | 6893.327     | 6893.327     | 6893.307     | 6893.296     | 6893.276     | 6893.255     | 6893.234     |
| 11.0 | 6882.833     | 6882.864     | 6882.895     | 6882.936     | 6882.967     | 6882.957     | 6882.936     | 6882.915     | 6882.884     | 6882.853     |
| 11.5 | 6871.913     | 6871.986     | 6872.069     | 6872.162     | 6872.213     | 6872.193     | 6872.131     | 6872.069     | 6871.996     | 6871.924     |
| 12.0 | 6860.456     | 6860.580     | 6860.704     | 6860.839     | 6860.922     | 6860.880     | 6860.777     | 6860.684     | 6860.590     | 6860.477     |

CANDELA TABULATION - (Cont.)

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 12.5 | 6848.419 | 6848.564 | 6848.719 | 6848.885 | 6848.988 | 6848.957 | 6848.874 | 6848.781 | 6848.678 | 6848.564 |
| 13.0 | 6835.740 | 6835.895 | 6836.051 | 6836.216 | 6836.330 | 6836.330 | 6836.268 | 6836.206 | 6836.133 | 6836.040 |
| 13.5 | 6822.337 | 6822.420 | 6822.513 | 6822.606 | 6822.699 | 6822.740 | 6822.761 | 6822.782 | 6822.792 | 6822.792 |
| 14.0 | 6808.333 | 6808.344 | 6808.364 | 6808.395 | 6808.447 | 6808.530 | 6808.623 | 6808.706 | 6808.799 | 6808.882 |
| 14.5 | 6793.864 | 6793.864 | 6793.885 | 6793.916 | 6793.957 | 6794.019 | 6794.092 | 6794.154 | 6794.226 | 6794.299 |
| 15.0 | 6778.805 | 6778.825 | 6778.867 | 6778.908 | 6778.950 | 6778.981 | 6779.012 | 6779.043 | 6779.074 | 6779.105 |
| 15.5 | 6763.104 | 6763.114 | 6763.145 | 6763.187 | 6763.238 | 6763.280 | 6763.311 | 6763.352 | 6763.383 | 6763.425 |
| 16.0 | 6746.782 | 6746.782 | 6746.803 | 6746.834 | 6746.875 | 6746.927 | 6746.989 | 6747.041 | 6747.092 | 6747.134 |
| 16.5 | 6729.849 | 6729.829 | 6729.818 | 6729.808 | 6729.829 | 6729.880 | 6729.953 | 6730.015 | 6730.087 | 6730.149 |
| 17.0 | 6712.368 | 6712.316 | 6712.285 | 6712.254 | 6712.254 | 6712.306 | 6712.378 | 6712.451 | 6712.534 | 6712.606 |
| 17.5 | 6694.421 | 6694.400 | 6694.380 | 6694.369 | 6694.380 | 6694.421 | 6694.494 | 6694.556 | 6694.618 | 6694.680 |
| 18.0 | 6675.884 | 6675.895 | 6675.915 | 6675.936 | 6675.967 | 6676.019 | 6676.071 | 6676.133 | 6676.184 | 6676.226 |
| 18.5 | 6656.561 | 6656.613 | 6656.664 | 6656.737 | 6656.799 | 6656.871 | 6656.944 | 6657.016 | 6657.078 | 6657.140 |
| 19.0 | 6636.720 | 6636.782 | 6636.875 | 6636.968 | 6637.061 | 6637.155 | 6637.248 | 6637.341 | 6637.413 | 6637.475 |
| 19.5 | 6616.641 | 6616.693 | 6616.744 | 6616.807 | 6616.879 | 6616.972 | 6617.076 | 6617.169 | 6617.252 | 6617.314 |
| 20.0 | 6596.034 | 6596.065 | 6596.096 | 6596.117 | 6596.158 | 6596.251 | 6596.355 | 6596.448 | 6596.521 | 6596.572 |
| 20.5 | 6574.651 | 6574.713 | 6574.775 | 6574.837 | 6574.899 | 6574.982 | 6575.065 | 6575.127 | 6575.168 | 6575.189 |
| 21.0 | 6552.626 | 6552.730 | 6552.844 | 6552.947 | 6553.040 | 6553.113 | 6553.164 | 6553.195 | 6553.195 | 6553.185 |
| 21.5 | 6530.063 | 6530.167 | 6530.281 | 6530.384 | 6530.477 | 6530.529 | 6530.570 | 6530.581 | 6530.570 | 6530.529 |
| 22.0 | 6506.921 | 6507.014 | 6507.107 | 6507.200 | 6507.283 | 6507.355 | 6507.397 | 6507.417 | 6507.407 | 6507.376 |
| 22.5 | 6483.167 | 6483.240 | 6483.323 | 6483.405 | 6483.499 | 6483.633 | 6483.768 | 6483.871 | 6483.944 | 6483.985 |
| 23.0 | 6458.866 | 6458.928 | 6459.000 | 6459.083 | 6459.186 | 6459.383 | 6459.590 | 6459.766 | 6459.890 | 6459.983 |
| 23.5 | 6434.036 | 6434.139 | 6434.253 | 6434.357 | 6434.481 | 6434.636 | 6434.791 | 6434.905 | 6434.978 | 6435.019 |
| 24.0 | 6408.761 | 6408.885 | 6409.020 | 6409.144 | 6409.248 | 6409.351 | 6409.413 | 6409.455 | 6409.444 | 6409.413 |
| 24.5 | 6383.197 | 6383.269 | 6383.342 | 6383.404 | 6383.445 | 6383.497 | 6383.528 | 6383.528 | 6383.497 | 6383.424 |
| 25.0 | 6357.063 | 6357.063 | 6357.063 | 6357.042 | 6357.022 | 6357.032 | 6357.042 | 6357.032 | 6356.980 | 6356.897 |
| 25.5 | 6330.018 | 6329.967 | 6329.925 | 6329.863 | 6329.811 | 6329.811 | 6329.811 | 6329.791 | 6329.749 | 6329.698 |
| 26.0 | 6302.394 | 6302.311 | 6302.229 | 6302.146 | 6302.073 | 6302.063 | 6302.073 | 6302.063 | 6302.042 | 6302.011 |
| 26.5 | 6274.522 | 6274.408 | 6274.294 | 6274.180 | 6274.097 | 6274.087 | 6274.108 | 6274.108 | 6274.108 | 6274.097 |
| 27.0 | 6246.173 | 6246.018 | 6245.873 | 6245.718 | 6245.614 | 6245.614 | 6245.645 | 6245.666 | 6245.687 | 6245.707 |
| 27.5 | 6217.276 | 6217.027 | 6216.789 | 6216.551 | 6216.386 | 6216.386 | 6216.448 | 6216.510 | 6216.582 | 6216.655 |
| 28.0 | 6187.758 | 6187.437 | 6187.137 | 6186.837 | 6186.630 | 6186.630 | 6186.712 | 6186.805 | 6186.919 | 6187.033 |
| 28.5 | 6157.422 | 6157.163 | 6156.915 | 6156.677 | 6156.511 | 6156.501 | 6156.552 | 6156.625 | 6156.708 | 6156.790 |
| 29.0 | 6126.600 | 6126.393 | 6126.206 | 6126.030 | 6125.906 | 6125.885 | 6125.916 | 6125.958 | 6125.999 | 6126.061 |
| 29.5 | 6095.684 | 6095.415 | 6095.167 | 6094.929 | 6094.763 | 6094.742 | 6094.784 | 6094.846 | 6094.918 | 6095.001 |
| 30.0 | 6064.282 | 6063.941 | 6063.609 | 6063.299 | 6063.071 | 6063.051 | 6063.113 | 6063.195 | 6063.299 | 6063.423 |
| 30.5 | 6032.083 | 6031.721 | 6031.380 | 6031.048 | 6030.810 | 6030.769 | 6030.831 | 6030.903 | 6031.007 | 6031.131 |
| 31.0 | 5999.243 | 5998.891 | 5998.560 | 5998.239 | 5998.011 | 5997.959 | 5998.001 | 5998.063 | 5998.146 | 5998.260 |
| 31.5 | 5965.802 | 5965.502 | 5965.222 | 5964.964 | 5964.767 | 5964.715 | 5964.726 | 5964.767 | 5964.829 | 5964.912 |
| 32.0 | 5931.844 | 5931.574 | 5931.316 | 5931.088 | 5930.912 | 5930.860 | 5930.881 | 5930.912 | 5930.974 | 5931.057 |
| 32.5 | 5897.523 | 5897.150 | 5896.788 | 5896.457 | 5896.209 | 5896.198 | 5896.291 | 5896.405 | 5896.550 | 5896.716 |
| 33.0 | 5862.643 | 5862.167 | 5861.702 | 5861.257 | 5860.956 | 5860.977 | 5861.153 | 5861.339 | 5861.567 | 5861.826 |
| 33.5 | 5826.946 | 5826.501 | 5826.087 | 5825.673 | 5825.394 | 5825.425 | 5825.580 | 5825.756 | 5825.963 | 5826.211 |
| 34.0 | 5790.752 | 5790.349 | 5789.976 | 5789.624 | 5789.397 | 5789.417 | 5789.562 | 5789.728 | 5789.924 | 5790.152 |
| 34.5 | 5754.331 | 5753.896 | 5753.492 | 5753.120 | 5752.882 | 5752.954 | 5753.172 | 5753.410 | 5753.668 | 5753.968 |
| 35.0 | 5717.423 | 5716.957 | 5716.533 | 5716.129 | 5715.901 | 5716.025 | 5716.326 | 5716.636 | 5716.978 | 5717.361 |
| 35.5 | 5679.811 | 5679.386 | 5679.014 | 5678.662 | 5678.476 | 5678.652 | 5678.993 | 5679.345 | 5679.718 | 5680.132 |
| 36.0 | 5641.671 | 5641.298 | 5640.967 | 5640.657 | 5640.512 | 5640.719 | 5641.081 | 5641.454 | 5641.837 | 5642.261 |
| 36.5 | 5603.169 | 5602.776 | 5602.413 | 5602.072 | 5601.896 | 5602.103 | 5602.455 | 5602.827 | 5603.221 | 5603.645 |
| 37.0 | 5564.118 | 5563.704 | 5563.311 | 5562.939 | 5562.721 | 5562.887 | 5563.208 | 5563.549 | 5563.922 | 5564.315 |
| 37.5 | 5524.395 | 5524.012 | 5523.650 | 5523.298 | 5523.081 | 5523.163 | 5523.391 | 5523.640 | 5523.909 | 5524.209 |
| 38.0 | 5484.061 | 5483.709 | 5483.378 | 5483.047 | 5482.819 | 5482.850 | 5482.985 | 5483.140 | 5483.326 | 5483.544 |
| 38.5 | 5443.096 | 5442.713 | 5442.340 | 5441.978 | 5441.730 | 5441.771 | 5441.937 | 5442.133 | 5442.340 | 5442.589 |
| 39.0 | 5401.613 | 5401.189 | 5400.785 | 5400.402 | 5400.154 | 5400.195 | 5400.381 | 5400.588 | 5400.816 | 5401.085 |
| 39.5 | 5359.758 | 5359.395 | 5359.054 | 5358.723 | 5358.485 | 5358.443 | 5358.485 | 5358.557 | 5358.661 | 5358.795 |
| 40.0 | 5317.312 | 5317.023 | 5316.753 | 5316.495 | 5316.277 | 5316.122 | 5316.008 | 5315.925 | 5315.884 | 5315.863 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 40.5 | 5274.029 | 5273.770 | 5273.521 | 5273.304 | 5273.087 | 5272.880 | 5272.683 | 5272.528 | 5272.414 | 5272.331 |
| 41.0 | 5230.124 | 5229.886 | 5229.669 | 5229.462 | 5229.255 | 5229.027 | 5228.799 | 5228.613 | 5228.468 | 5228.344 |
| 41.5 | 5185.774 | 5185.588 | 5185.402 | 5185.246 | 5185.081 | 5184.874 | 5184.677 | 5184.501 | 5184.356 | 5184.242 |
| 42.0 | 5140.845 | 5140.690 | 5140.555 | 5140.441 | 5140.317 | 5140.162 | 5139.986 | 5139.841 | 5139.706 | 5139.592 |
| 42.5 | 5095.232 | 5095.108 | 5095.005 | 5094.922 | 5094.818 | 5094.663 | 5094.487 | 5094.332 | 5094.177 | 5094.042 |
| 43.0 | 5048.926 | 5048.844 | 5048.782 | 5048.719 | 5048.637 | 5048.481 | 5048.305 | 5048.130 | 5047.954 | 5047.788 |
| 43.5 | 5001.834 | 5001.834 | 5001.844 | 5001.855 | 5001.834 | 5001.699 | 5001.513 | 5001.316 | 5001.130 | 5000.934 |
| 44.0 | 4954.069 | 4954.110 | 4954.162 | 4954.234 | 4954.255 | 4954.141 | 4953.965 | 4953.789 | 4953.593 | 4953.396 |
| 44.5 | 4905.693 | 4905.672 | 4905.662 | 4905.682 | 4905.672 | 4905.579 | 4905.465 | 4905.351 | 4905.227 | 4905.093 |
| 45.0 | 4856.686 | 4856.582 | 4856.489 | 4856.416 | 4856.354 | 4856.303 | 4856.272 | 4856.230 | 4856.189 | 4856.158 |
| 45.5 | 4807.057 | 4806.892 | 4806.747 | 4806.623 | 4806.529 | 4806.540 | 4806.581 | 4806.633 | 4806.674 | 4806.716 |
| 46.0 | 4756.860 | 4756.674 | 4756.487 | 4756.311 | 4756.197 | 4756.239 | 4756.332 | 4756.425 | 4756.508 | 4756.601 |
| 46.5 | 4706.300 | 4706.103 | 4705.896 | 4705.689 | 4705.534 | 4705.513 | 4705.545 | 4705.586 | 4705.617 | 4705.658 |
| 47.0 | 4655.078 | 4654.881 | 4654.664 | 4654.436 | 4654.229 | 4654.136 | 4654.084 | 4654.033 | 4653.991 | 4653.960 |
| 47.5 | 4602.893 | 4602.686 | 4602.469 | 4602.231 | 4602.003 | 4601.848 | 4601.734 | 4601.620 | 4601.517 | 4601.434 |
| 48.0 | 4549.974 | 4549.767 | 4549.539 | 4549.301 | 4549.063 | 4548.887 | 4548.732 | 4548.587 | 4548.463 | 4548.369 |
| 48.5 | 4496.454 | 4496.226 | 4495.988 | 4495.729 | 4495.502 | 4495.357 | 4495.264 | 4495.181 | 4495.119 | 4495.088 |
| 49.0 | 4442.344 | 4442.106 | 4441.858 | 4441.609 | 4441.402 | 4441.319 | 4441.288 | 4441.278 | 4441.299 | 4441.350 |
| 49.5 | 4387.624 | 4387.437 | 4387.251 | 4387.065 | 4386.909 | 4386.858 | 4386.858 | 4386.878 | 4386.920 | 4386.992 |
| 50.0 | 4332.510 | 4332.365 | 4332.210 | 4332.075 | 4331.961 | 4331.920 | 4331.910 | 4331.941 | 4331.992 | 4332.065 |
| 50.5 | 4277.293 | 4277.096 | 4276.889 | 4276.682 | 4276.516 | 4276.423 | 4276.392 | 4276.382 | 4276.413 | 4276.475 |
| 51.0 | 4221.672 | 4221.403 | 4221.123 | 4220.844 | 4220.606 | 4220.481 | 4220.419 | 4220.378 | 4220.388 | 4220.440 |
| 51.5 | 4165.430 | 4165.150 | 4164.861 | 4164.550 | 4164.302 | 4164.209 | 4164.188 | 4164.177 | 4164.219 | 4164.281 |
| 52.0 | 4108.608 | 4108.329 | 4108.039 | 4107.729 | 4107.480 | 4107.408 | 4107.418 | 4107.449 | 4107.501 | 4107.584 |
| 52.5 | 4051.166 | 4050.897 | 4050.586 | 4050.265 | 4049.986 | 4049.882 | 4049.851 | 4049.831 | 4049.831 | 4049.862 |
| 53.0 | 3993.061 | 3992.792 | 3992.481 | 3992.160 | 3991.881 | 3991.746 | 3991.684 | 3991.643 | 3991.622 | 3991.622 |
| 53.5 | 3934.335 | 3934.045 | 3933.724 | 3933.393 | 3933.155 | 3933.155 | 3933.269 | 3933.383 | 3933.507 | 3933.662 |
| 54.0 | 3874.605 | 3874.367 | 3874.129 | 3873.881 | 3873.725 | 3873.808 | 3873.995 | 3874.181 | 3874.377 | 3874.595 |
| 54.5 | 3813.323 | 3813.457 | 3813.582 | 3813.675 | 3813.695 | 3813.540 | 3813.333 | 3813.126 | 3812.930 | 3812.743 |
| 55.0 | 3750.954 | 3751.440 | 3751.885 | 3752.310 | 3752.486 | 3752.103 | 3751.502 | 3750.923 | 3750.353 | 3749.784 |
| 55.5 | 3687.601 | 3688.088 | 3688.533 | 3688.947 | 3689.154 | 3688.843 | 3688.336 | 3687.850 | 3687.374 | 3686.898 |
| 56.0 | 3623.835 | 3624.166 | 3624.466 | 3624.756 | 3624.922 | 3624.798 | 3624.560 | 3624.342 | 3624.125 | 3623.928 |
| 56.5 | 3560.348 | 3560.431 | 3560.514 | 3560.597 | 3560.690 | 3560.804 | 3560.917 | 3561.042 | 3561.166 | 3561.311 |
| 57.0 | 3496.789 | 3496.665 | 3496.561 | 3496.478 | 3496.499 | 3496.799 | 3497.213 | 3497.617 | 3498.020 | 3498.455 |
| 57.5 | 3433.209 | 3433.116 | 3433.043 | 3432.991 | 3433.043 | 3433.343 | 3433.757 | 3434.151 | 3434.544 | 3434.937 |
| 58.0 | 3369.142 | 3369.142 | 3369.163 | 3369.184 | 3369.266 | 3369.494 | 3369.784 | 3370.063 | 3370.322 | 3370.581 |
| 58.5 | 3304.124 | 3304.134 | 3304.144 | 3304.144 | 3304.196 | 3304.320 | 3304.475 | 3304.631 | 3304.776 | 3304.920 |
| 59.0 | 3238.256 | 3238.266 | 3238.287 | 3238.298 | 3238.308 | 3238.318 | 3238.339 | 3238.360 | 3238.380 | 3238.401 |
| 59.5 | 3171.240 | 3171.354 | 3171.457 | 3171.571 | 3171.633 | 3171.602 | 3171.530 | 3171.457 | 3171.374 | 3171.292 |
| 60.0 | 3103.706 | 3103.944 | 3104.182 | 3104.410 | 3104.555 | 3104.482 | 3104.317 | 3104.141 | 3103.944 | 3103.748 |
| 60.5 | 3036.359 | 3036.742 | 3037.114 | 3037.466 | 3037.673 | 3037.508 | 3037.187 | 3036.856 | 3036.504 | 3036.131 |
| 61.0 | 2968.721 | 2969.208 | 2969.653 | 2970.088 | 2970.305 | 2970.046 | 2969.591 | 2969.125 | 2968.649 | 2968.142 |
| 61.5 | 2900.577 | 2900.981 | 2901.333 | 2901.664 | 2901.798 | 2901.488 | 2901.012 | 2900.536 | 2900.070 | 2899.583 |
| 62.0 | 2831.936 | 2832.226 | 2832.464 | 2832.660 | 2832.691 | 2832.350 | 2831.863 | 2831.387 | 2830.942 | 2830.487 |
| 62.5 | 2762.694 | 2762.974 | 2763.202 | 2763.398 | 2763.398 | 2762.974 | 2762.384 | 2761.815 | 2761.266 | 2760.728 |
| 63.0 | 2692.935 | 2693.256 | 2693.515 | 2693.743 | 2693.753 | 2693.267 | 2692.573 | 2691.911 | 2691.259 | 2690.607 |
| 63.5 | 2622.876 | 2623.238 | 2623.539 | 2623.818 | 2623.849 | 2623.342 | 2622.617 | 2621.903 | 2621.210 | 2620.506 |
| 64.0 | 2552.124 | 2552.548 | 2552.931 | 2553.293 | 2553.397 | 2552.921 | 2552.206 | 2551.503 | 2550.809 | 2550.095 |
| 64.5 | 2480.626 | 2481.195 | 2481.733 | 2482.282 | 2482.561 | 2482.199 | 2481.578 | 2480.967 | 2480.357 | 2479.715 |
| 65.0 | 2407.586 | 2408.259 | 2408.942 | 2409.635 | 2410.080 | 2409.832 | 2409.335 | 2408.828 | 2408.321 | 2407.783 |
| 65.5 | 2332.714 | 2333.283 | 2333.894 | 2334.556 | 2334.981 | 2334.774 | 2334.329 | 2333.925 | 2333.521 | 2333.118 |
| 66.0 | 2254.540 | 2255.017 | 2255.544 | 2256.134 | 2256.517 | 2256.321 | 2255.917 | 2255.555 | 2255.234 | 2254.913 |
| 66.5 | 2170.302 | 2170.902 | 2171.533 | 2172.206 | 2172.662 | 2172.506 | 2172.103 | 2171.720 | 2171.326 | 2170.892 |
| 67.0 | 2083.652 | 2084.324 | 2085.007 | 2085.711 | 2086.187 | 2086.063 | 2085.680 | 2085.277 | 2084.821 | 2084.304 |
| 67.5 | 1996.618 | 1997.012 | 1997.426 | 1997.860 | 1998.140 | 1998.036 | 1997.767 | 1997.498 | 1997.198 | 1996.856 |
| 68.0 | 1911.272 | 1911.365 | 1911.459 | 1911.583 | 1911.645 | 1911.510 | 1911.314 | 1911.138 | 1910.972 | 1910.796 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 68.5 | 1831.205 | 1831.215 | 1831.236 | 1831.256 | 1831.184 | 1830.863 | 1830.470 | 1830.108 | 1829.756 | 1829.425 |
| 69.0 | 1753.973 | 1753.942 | 1753.890 | 1753.828 | 1753.652 | 1753.228 | 1752.710 | 1752.214 | 1751.748 | 1751.292 |
| 69.5 | 1678.687 | 1678.428 | 1678.159 | 1677.880 | 1677.631 | 1677.487 | 1677.362 | 1677.248 | 1677.124 | 1677.010 |
| 70.0 | 1604.416 | 1603.929 | 1603.453 | 1602.956 | 1602.635 | 1602.760 | 1603.039 | 1603.298 | 1603.546 | 1603.784 |
| 70.5 | 1529.544 | 1528.902 | 1528.260 | 1527.598 | 1527.111 | 1527.122 | 1527.308 | 1527.484 | 1527.650 | 1527.846 |
| 71.0 | 1455.241 | 1454.620 | 1453.989 | 1453.326 | 1452.809 | 1452.654 | 1452.654 | 1452.654 | 1452.664 | 1452.705 |
| 71.5 | 1382.522 | 1382.449 | 1382.356 | 1382.242 | 1382.139 | 1382.129 | 1382.129 | 1382.098 | 1382.035 | 1381.953 |
| 72.0 | 1310.217 | 1310.569 | 1310.900 | 1311.210 | 1311.459 | 1311.614 | 1311.697 | 1311.718 | 1311.666 | 1311.552 |
| 72.5 | 1238.067 | 1237.891 | 1237.694 | 1237.467 | 1237.342 | 1237.487 | 1237.736 | 1237.932 | 1238.098 | 1238.243 |
| 73.0 | 1164.334 | 1163.588 | 1162.843 | 1162.077 | 1161.549 | 1161.684 | 1162.067 | 1162.450 | 1162.833 | 1163.247 |
| 73.5 | 1084.928 | 1084.525 | 1084.121 | 1083.717 | 1083.479 | 1083.686 | 1084.059 | 1084.421 | 1084.773 | 1085.146 |
| 74.0 | 1006.537 | 1006.589 | 1006.672 | 1006.755 | 1006.910 | 1007.210 | 1007.562 | 1007.893 | 1008.204 | 1008.494 |
| 74.5 | 935.671  | 935.723  | 935.826  | 935.961  | 936.189  | 936.623  | 937.130  | 937.627  | 938.083  | 938.528  |
| 75.0 | 868.707  | 868.696  | 868.758  | 868.841  | 869.069  | 869.555  | 870.145  | 870.714  | 871.242  | 871.739  |
| 75.5 | 805.044  | 805.178  | 805.344  | 805.530  | 805.747  | 806.037  | 806.317  | 806.555  | 806.720  | 806.834  |
| 76.0 | 742.116  | 742.405  | 742.706  | 742.995  | 743.213  | 743.254  | 743.182  | 743.047  | 742.819  | 742.519  |
| 76.5 | 675.379  | 675.772  | 676.155  | 676.528  | 676.766  | 676.704  | 676.497  | 676.248  | 675.927  | 675.565  |
| 77.0 | 610.184  | 610.598  | 610.981  | 611.374  | 611.613  | 611.509  | 611.271  | 611.012  | 610.722  | 610.412  |
| 77.5 | 551.489  | 551.769  | 552.028  | 552.286  | 552.431  | 552.338  | 552.121  | 551.893  | 551.624  | 551.334  |
| 78.0 | 495.931  | 495.962  | 496.003  | 496.044  | 496.055  | 496.034  | 495.982  | 495.900  | 495.765  | 495.610  |
| 78.5 | 441.252  | 440.889  | 440.548  | 440.185  | 440.010  | 440.299  | 440.744  | 441.148  | 441.500  | 441.852  |
| 79.0 | 389.025  | 388.415  | 387.804  | 387.193  | 386.883  | 387.369  | 388.146  | 388.870  | 389.574  | 390.267  |
| 79.5 | 340.277  | 340.008  | 339.718  | 339.408  | 339.211  | 339.335  | 339.583  | 339.811  | 340.008  | 340.204  |
| 80.0 | 294.395  | 294.530  | 294.613  | 294.675  | 294.623  | 294.344  | 293.981  | 293.609  | 293.236  | 292.853  |
| 80.5 | 250.449  | 250.615  | 250.739  | 250.832  | 250.801  | 250.470  | 250.035  | 249.601  | 249.187  | 248.773  |
| 81.0 | 210.343  | 210.343  | 210.312  | 210.271  | 210.188  | 210.001  | 209.774  | 209.577  | 209.391  | 209.215  |
| 81.5 | 176.333  | 175.857  | 175.391  | 174.925  | 174.667  | 174.915  | 175.360  | 175.795  | 176.229  | 176.685  |
| 82.0 | 146.421  | 145.583  | 144.786  | 143.989  | 143.596  | 144.196  | 145.179  | 146.132  | 147.063  | 148.026  |
| 82.5 | 119.170  | 118.621  | 118.083  | 117.555  | 117.297  | 117.679  | 118.321  | 118.942  | 119.553  | 120.174  |
| 83.0 | 95.272   | 95.127   | 94.982   | 94.837   | 94.754   | 94.827   | 94.961   | 95.085   | 95.220   | 95.355   |
| 83.5 | 75.234   | 75.224   | 75.213   | 75.203   | 75.193   | 75.213   | 75.244   | 75.265   | 75.296   | 75.307   |
| 84.0 | 58.146   | 58.188   | 58.229   | 58.260   | 58.291   | 58.333   | 58.364   | 58.384   | 58.395   | 58.395   |
| 84.5 | 43.004   | 43.066   | 43.118   | 43.180   | 43.222   | 43.232   | 43.242   | 43.232   | 43.232   | 43.222   |
| 85.0 | 30.584   | 30.636   | 30.688   | 30.739   | 30.781   | 30.791   | 30.781   | 30.781   | 30.771   | 30.771   |
| 85.5 | 21.487   | 21.538   | 21.590   | 21.642   | 21.694   | 21.725   | 21.735   | 21.756   | 21.787   | 21.807   |
| 86.0 | 15.246   | 15.277   | 15.318   | 15.370   | 15.421   | 15.463   | 15.504   | 15.546   | 15.587   | 15.639   |
| 86.5 | 12.099   | 12.109   | 12.120   | 12.141   | 12.151   | 12.172   | 12.182   | 12.203   | 12.223   | 12.244   |
| 87.0 | 10.464   | 10.453   | 10.433   | 10.422   | 10.412   | 10.402   | 10.391   | 10.381   | 10.381   | 10.371   |
| 87.5 | 8.539    | 8.549    | 8.559    | 8.570    | 8.570    | 8.580    | 8.580    | 8.580    | 8.590    | 8.590    |
| 88.0 | 7.141    | 7.173    | 7.204    | 7.235    | 7.266    | 7.286    | 7.307    | 7.328    | 7.348    | 7.369    |
| 88.5 | 6.583    | 6.603    | 6.614    | 6.634    | 6.655    | 6.676    | 6.696    | 6.707    | 6.727    | 6.748    |
| 89.0 | 6.479    | 6.479    | 6.479    | 6.479    | 6.479    | 6.479    | 6.500    | 6.510    | 6.520    | 6.531    |
| 89.5 | 6.510    | 6.500    | 6.500    | 6.489    | 6.489    | 6.489    | 6.500    | 6.510    | 6.510    | 6.520    |
| 90.0 | 6.779    | 6.779    | 6.779    | 6.779    | 6.779    | 6.779    | 6.779    | 6.779    | 6.779    | 6.779    |

**Vert.  
Angles**

**Horizontal Angles**

|     | <u>150.0</u> | <u>152.5</u> | <u>155.0</u> | <u>157.5</u> | <u>160.0</u> | <u>162.5</u> | <u>165.0</u> | <u>167.5</u> | <u>170.0</u> | <u>172.5</u> |
|-----|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0 | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     |
| 0.5 | 6999.053     | 6999.022     | 6999.001     | 6998.980     | 6998.960     | 6998.949     | 6998.949     | 6998.991     | 6999.042     | 6999.094     |
| 1.0 | 6998.318     | 6998.287     | 6998.245     | 6998.214     | 6998.194     | 6998.173     | 6998.163     | 6998.204     | 6998.266     | 6998.318     |
| 1.5 | 6997.107     | 6997.076     | 6997.045     | 6997.014     | 6996.983     | 6996.952     | 6996.921     | 6996.900     | 6996.900     | 6996.890     |
| 2.0 | 6995.378     | 6995.378     | 6995.358     | 6995.337     | 6995.306     | 6995.275     | 6995.223     | 6995.151     | 6995.068     | 6994.985     |
| 2.5 | 6993.101     | 6993.112     | 6993.122     | 6993.133     | 6993.122     | 6993.112     | 6993.081     | 6992.998     | 6992.905     | 6992.812     |
| 3.0 | 6990.369     | 6990.410     | 6990.452     | 6990.473     | 6990.493     | 6990.514     | 6990.504     | 6990.431     | 6990.338     | 6990.245     |
| 3.5 | 6987.378     | 6987.419     | 6987.461     | 6987.481     | 6987.502     | 6987.512     | 6987.492     | 6987.430     | 6987.337     | 6987.254     |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 4.0  | 6983.931 | 6983.983 | 6984.014 | 6984.035 | 6984.056 | 6984.056 | 6984.035 | 6983.962 | 6983.880 | 6983.797 |
| 4.5  | 6979.864 | 6979.926 | 6979.988 | 6980.040 | 6980.081 | 6980.112 | 6980.123 | 6980.060 | 6979.967 | 6979.885 |
| 5.0  | 6975.299 | 6975.372 | 6975.455 | 6975.527 | 6975.589 | 6975.641 | 6975.662 | 6975.600 | 6975.506 | 6975.424 |
| 5.5  | 6970.363 | 6970.414 | 6970.466 | 6970.507 | 6970.538 | 6970.570 | 6970.549 | 6970.466 | 6970.352 | 6970.249 |
| 6.0  | 6964.929 | 6964.960 | 6964.970 | 6964.970 | 6964.960 | 6964.939 | 6964.887 | 6964.784 | 6964.660 | 6964.546 |
| 6.5  | 6958.895 | 6958.905 | 6958.884 | 6958.853 | 6958.812 | 6958.760 | 6958.698 | 6958.615 | 6958.532 | 6958.450 |
| 7.0  | 6952.354 | 6952.354 | 6952.312 | 6952.271 | 6952.209 | 6952.136 | 6952.064 | 6952.012 | 6951.960 | 6951.919 |
| 7.5  | 6945.378 | 6945.388 | 6945.357 | 6945.305 | 6945.253 | 6945.181 | 6945.109 | 6945.057 | 6945.015 | 6944.984 |
| 8.0  | 6937.936 | 6937.957 | 6937.936 | 6937.895 | 6937.853 | 6937.791 | 6937.729 | 6937.677 | 6937.625 | 6937.584 |
| 8.5  | 6930.029 | 6930.039 | 6930.018 | 6929.998 | 6929.956 | 6929.904 | 6929.853 | 6929.791 | 6929.739 | 6929.687 |
| 9.0  | 6921.604 | 6921.614 | 6921.604 | 6921.583 | 6921.552 | 6921.511 | 6921.469 | 6921.407 | 6921.345 | 6921.293 |
| 9.5  | 6912.610 | 6912.610 | 6912.610 | 6912.599 | 6912.589 | 6912.568 | 6912.537 | 6912.496 | 6912.434 | 6912.382 |
| 10.0 | 6903.119 | 6903.119 | 6903.108 | 6903.108 | 6903.098 | 6903.088 | 6903.077 | 6903.046 | 6903.005 | 6902.974 |
| 10.5 | 6893.203 | 6893.183 | 6893.141 | 6893.110 | 6893.089 | 6893.058 | 6893.038 | 6893.027 | 6893.017 | 6893.017 |
| 11.0 | 6882.812 | 6882.760 | 6882.708 | 6882.667 | 6882.615 | 6882.574 | 6882.543 | 6882.553 | 6882.563 | 6882.584 |
| 11.5 | 6871.862 | 6871.841 | 6871.841 | 6871.831 | 6871.831 | 6871.841 | 6871.831 | 6871.810 | 6871.779 | 6871.758 |
| 12.0 | 6860.404 | 6860.414 | 6860.446 | 6860.487 | 6860.528 | 6860.570 | 6860.590 | 6860.539 | 6860.466 | 6860.394 |
| 12.5 | 6848.471 | 6848.460 | 6848.481 | 6848.502 | 6848.522 | 6848.543 | 6848.553 | 6848.512 | 6848.460 | 6848.408 |
| 13.0 | 6835.968 | 6835.937 | 6835.916 | 6835.906 | 6835.885 | 6835.875 | 6835.864 | 6835.844 | 6835.813 | 6835.792 |
| 13.5 | 6822.782 | 6822.761 | 6822.740 | 6822.709 | 6822.678 | 6822.637 | 6822.596 | 6822.554 | 6822.502 | 6822.461 |
| 14.0 | 6808.934 | 6808.944 | 6808.923 | 6808.892 | 6808.840 | 6808.799 | 6808.737 | 6808.664 | 6808.592 | 6808.530 |
| 14.5 | 6794.350 | 6794.381 | 6794.392 | 6794.392 | 6794.392 | 6794.371 | 6794.340 | 6794.278 | 6794.195 | 6794.112 |
| 15.0 | 6779.136 | 6779.177 | 6779.219 | 6779.250 | 6779.270 | 6779.291 | 6779.281 | 6779.208 | 6779.126 | 6779.032 |
| 15.5 | 6763.435 | 6763.435 | 6763.425 | 6763.404 | 6763.383 | 6763.352 | 6763.300 | 6763.218 | 6763.135 | 6763.052 |
| 16.0 | 6747.154 | 6747.123 | 6747.061 | 6746.999 | 6746.927 | 6746.844 | 6746.751 | 6746.658 | 6746.564 | 6746.482 |
| 16.5 | 6730.191 | 6730.201 | 6730.191 | 6730.160 | 6730.129 | 6730.077 | 6730.004 | 6729.891 | 6729.756 | 6729.632 |
| 17.0 | 6712.679 | 6712.741 | 6712.772 | 6712.792 | 6712.803 | 6712.803 | 6712.751 | 6712.606 | 6712.430 | 6712.265 |
| 17.5 | 6694.742 | 6694.783 | 6694.814 | 6694.835 | 6694.835 | 6694.825 | 6694.773 | 6694.628 | 6694.463 | 6694.297 |
| 18.0 | 6676.267 | 6676.298 | 6676.298 | 6676.298 | 6676.278 | 6676.247 | 6676.184 | 6676.029 | 6675.843 | 6675.677 |
| 18.5 | 6657.182 | 6657.213 | 6657.234 | 6657.234 | 6657.203 | 6657.161 | 6657.058 | 6656.809 | 6656.509 | 6656.230 |
| 19.0 | 6637.527 | 6637.569 | 6637.579 | 6637.558 | 6637.507 | 6637.444 | 6637.289 | 6636.948 | 6636.544 | 6636.161 |
| 19.5 | 6617.355 | 6617.334 | 6617.272 | 6617.189 | 6617.065 | 6616.931 | 6616.724 | 6616.382 | 6615.989 | 6615.637 |
| 20.0 | 6596.583 | 6596.500 | 6596.365 | 6596.210 | 6596.013 | 6595.817 | 6595.568 | 6595.247 | 6594.906 | 6594.595 |
| 20.5 | 6575.158 | 6575.055 | 6574.899 | 6574.723 | 6574.527 | 6574.320 | 6574.071 | 6573.751 | 6573.419 | 6573.119 |
| 21.0 | 6553.123 | 6552.999 | 6552.833 | 6552.647 | 6552.440 | 6552.223 | 6551.984 | 6551.684 | 6551.384 | 6551.105 |
| 21.5 | 6530.446 | 6530.270 | 6530.042 | 6529.815 | 6529.566 | 6529.318 | 6529.080 | 6528.863 | 6528.666 | 6528.490 |
| 22.0 | 6507.272 | 6507.045 | 6506.745 | 6506.444 | 6506.144 | 6505.834 | 6505.575 | 6505.420 | 6505.327 | 6505.254 |
| 22.5 | 6483.913 | 6483.612 | 6483.209 | 6482.805 | 6482.391 | 6481.967 | 6481.615 | 6481.449 | 6481.366 | 6481.304 |
| 23.0 | 6459.942 | 6459.600 | 6459.124 | 6458.638 | 6458.141 | 6457.624 | 6457.189 | 6456.982 | 6456.868 | 6456.785 |
| 23.5 | 6434.936 | 6434.615 | 6434.181 | 6433.736 | 6433.270 | 6432.794 | 6432.380 | 6432.121 | 6431.945 | 6431.800 |
| 24.0 | 6409.289 | 6408.989 | 6408.616 | 6408.223 | 6407.819 | 6407.405 | 6407.033 | 6406.753 | 6406.526 | 6406.329 |
| 24.5 | 6383.269 | 6382.948 | 6382.545 | 6382.141 | 6381.727 | 6381.303 | 6380.940 | 6380.692 | 6380.516 | 6380.371 |
| 25.0 | 6356.742 | 6356.401 | 6355.987 | 6355.562 | 6355.148 | 6354.724 | 6354.362 | 6354.165 | 6354.041 | 6353.948 |
| 25.5 | 6329.563 | 6329.294 | 6328.952 | 6328.611 | 6328.259 | 6327.917 | 6327.607 | 6327.421 | 6327.276 | 6327.162 |
| 26.0 | 6301.928 | 6301.732 | 6301.483 | 6301.225 | 6300.956 | 6300.686 | 6300.438 | 6300.231 | 6300.045 | 6299.900 |
| 26.5 | 6274.035 | 6273.870 | 6273.652 | 6273.414 | 6273.176 | 6272.928 | 6272.679 | 6272.441 | 6272.214 | 6272.017 |
| 27.0 | 6245.676 | 6245.531 | 6245.335 | 6245.128 | 6244.900 | 6244.662 | 6244.414 | 6244.134 | 6243.865 | 6243.617 |
| 27.5 | 6216.686 | 6216.603 | 6216.469 | 6216.313 | 6216.127 | 6215.930 | 6215.703 | 6215.402 | 6215.082 | 6214.781 |
| 28.0 | 6187.106 | 6187.085 | 6187.002 | 6186.899 | 6186.774 | 6186.619 | 6186.423 | 6186.102 | 6185.750 | 6185.419 |
| 28.5 | 6156.863 | 6156.853 | 6156.811 | 6156.749 | 6156.666 | 6156.563 | 6156.397 | 6156.097 | 6155.755 | 6155.445 |
| 29.0 | 6126.103 | 6126.113 | 6126.092 | 6126.061 | 6125.999 | 6125.927 | 6125.803 | 6125.533 | 6125.223 | 6124.933 |
| 29.5 | 6095.073 | 6095.084 | 6095.063 | 6095.022 | 6094.970 | 6094.897 | 6094.773 | 6094.535 | 6094.245 | 6093.987 |
| 30.0 | 6063.516 | 6063.537 | 6063.516 | 6063.475 | 6063.423 | 6063.351 | 6063.226 | 6062.999 | 6062.740 | 6062.502 |
| 30.5 | 6031.235 | 6031.276 | 6031.286 | 6031.286 | 6031.266 | 6031.224 | 6031.131 | 6030.903 | 6030.624 | 6030.376 |
| 31.0 | 5998.363 | 5998.435 | 5998.487 | 5998.518 | 5998.529 | 5998.529 | 5998.467 | 5998.249 | 5997.980 | 5997.721 |
| 31.5 | 5964.995 | 5965.067 | 5965.140 | 5965.191 | 5965.233 | 5965.264 | 5965.233 | 5965.077 | 5964.881 | 5964.694 |

CANDELA TABULATION - (Cont.)

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 32.0 | 5931.129 | 5931.202 | 5931.254 | 5931.305 | 5931.347 | 5931.388 | 5931.399 | 5931.336 | 5931.254 | 5931.171 |
| 32.5 | 5896.861 | 5896.892 | 5896.881 | 5896.881 | 5896.871 | 5896.861 | 5896.871 | 5896.933 | 5897.016 | 5897.099 |
| 33.0 | 5862.022 | 5862.022 | 5861.940 | 5861.888 | 5861.826 | 5861.764 | 5861.774 | 5861.960 | 5862.219 | 5862.457 |
| 33.5 | 5826.387 | 5826.377 | 5826.294 | 5826.232 | 5826.180 | 5826.129 | 5826.170 | 5826.450 | 5826.812 | 5827.143 |
| 34.0 | 5790.318 | 5790.297 | 5790.214 | 5790.162 | 5790.121 | 5790.080 | 5790.152 | 5790.504 | 5790.939 | 5791.353 |
| 34.5 | 5754.186 | 5754.165 | 5754.072 | 5754.000 | 5753.937 | 5753.875 | 5753.937 | 5754.320 | 5754.817 | 5755.273 |
| 35.0 | 5717.640 | 5717.619 | 5717.495 | 5717.392 | 5717.309 | 5717.216 | 5717.257 | 5717.671 | 5718.209 | 5718.706 |
| 35.5 | 5680.421 | 5680.380 | 5680.225 | 5680.090 | 5679.976 | 5679.852 | 5679.894 | 5680.349 | 5680.949 | 5681.508 |
| 36.0 | 5642.551 | 5642.499 | 5642.333 | 5642.178 | 5642.044 | 5641.909 | 5641.940 | 5642.406 | 5643.037 | 5643.627 |
| 36.5 | 5603.945 | 5603.935 | 5603.800 | 5603.676 | 5603.573 | 5603.448 | 5603.479 | 5603.883 | 5604.411 | 5604.918 |
| 37.0 | 5564.615 | 5564.636 | 5564.553 | 5564.481 | 5564.408 | 5564.336 | 5564.367 | 5564.688 | 5565.112 | 5565.505 |
| 37.5 | 5524.447 | 5524.468 | 5524.416 | 5524.385 | 5524.364 | 5524.333 | 5524.395 | 5524.706 | 5525.089 | 5525.451 |
| 38.0 | 5483.709 | 5483.730 | 5483.709 | 5483.699 | 5483.709 | 5483.720 | 5483.813 | 5484.113 | 5484.496 | 5484.848 |
| 38.5 | 5442.785 | 5442.806 | 5442.765 | 5442.744 | 5442.734 | 5442.723 | 5442.796 | 5443.096 | 5443.479 | 5443.841 |
| 39.0 | 5401.303 | 5401.323 | 5401.282 | 5401.261 | 5401.240 | 5401.230 | 5401.292 | 5401.592 | 5401.955 | 5402.307 |
| 39.5 | 5358.930 | 5358.992 | 5359.033 | 5359.095 | 5359.178 | 5359.251 | 5359.385 | 5359.623 | 5359.903 | 5360.161 |
| 40.0 | 5315.905 | 5316.008 | 5316.153 | 5316.319 | 5316.495 | 5316.691 | 5316.878 | 5317.074 | 5317.261 | 5317.426 |
| 40.5 | 5272.321 | 5272.455 | 5272.662 | 5272.890 | 5273.128 | 5273.387 | 5273.635 | 5273.832 | 5273.987 | 5274.132 |
| 41.0 | 5228.313 | 5228.447 | 5228.665 | 5228.903 | 5229.161 | 5229.441 | 5229.700 | 5229.907 | 5230.083 | 5230.238 |
| 41.5 | 5184.180 | 5184.242 | 5184.367 | 5184.511 | 5184.687 | 5184.884 | 5185.091 | 5185.329 | 5185.567 | 5185.774 |
| 42.0 | 5139.510 | 5139.479 | 5139.489 | 5139.520 | 5139.592 | 5139.675 | 5139.810 | 5140.069 | 5140.358 | 5140.627 |
| 42.5 | 5093.928 | 5093.835 | 5093.773 | 5093.742 | 5093.742 | 5093.763 | 5093.856 | 5094.094 | 5094.373 | 5094.653 |
| 43.0 | 5047.633 | 5047.509 | 5047.395 | 5047.322 | 5047.270 | 5047.239 | 5047.281 | 5047.467 | 5047.716 | 5047.943 |
| 43.5 | 5000.747 | 5000.592 | 5000.457 | 5000.344 | 5000.261 | 5000.188 | 5000.168 | 5000.250 | 5000.375 | 5000.499 |
| 44.0 | 4953.210 | 4953.044 | 4952.910 | 4952.775 | 4952.661 | 4952.558 | 4952.496 | 4952.475 | 4952.496 | 4952.516 |
| 44.5 | 4904.968 | 4904.834 | 4904.710 | 4904.596 | 4904.482 | 4904.389 | 4904.316 | 4904.296 | 4904.306 | 4904.316 |
| 45.0 | 4856.096 | 4855.992 | 4855.858 | 4855.744 | 4855.630 | 4855.526 | 4855.454 | 4855.475 | 4855.526 | 4855.588 |
| 45.5 | 4806.705 | 4806.540 | 4806.333 | 4806.126 | 4805.940 | 4805.743 | 4805.629 | 4805.701 | 4805.857 | 4806.012 |
| 46.0 | 4756.611 | 4756.404 | 4756.125 | 4755.856 | 4755.607 | 4755.359 | 4755.214 | 4755.359 | 4755.597 | 4755.846 |
| 46.5 | 4705.648 | 4705.472 | 4705.255 | 4705.048 | 4704.861 | 4704.685 | 4704.613 | 4704.789 | 4705.058 | 4705.327 |
| 47.0 | 4653.919 | 4653.805 | 4653.670 | 4653.567 | 4653.494 | 4653.422 | 4653.443 | 4653.650 | 4653.939 | 4654.209 |
| 47.5 | 4601.372 | 4601.310 | 4601.268 | 4601.248 | 4601.258 | 4601.289 | 4601.393 | 4601.651 | 4601.972 | 4602.272 |
| 48.0 | 4548.307 | 4548.287 | 4548.307 | 4548.359 | 4548.452 | 4548.556 | 4548.721 | 4549.032 | 4549.384 | 4549.705 |
| 48.5 | 4495.077 | 4495.088 | 4495.129 | 4495.191 | 4495.295 | 4495.409 | 4495.595 | 4495.936 | 4496.330 | 4496.692 |
| 49.0 | 4441.402 | 4441.454 | 4441.506 | 4441.589 | 4441.692 | 4441.816 | 4442.003 | 4442.323 | 4442.696 | 4443.048 |
| 49.5 | 4387.096 | 4387.230 | 4387.386 | 4387.562 | 4387.737 | 4387.913 | 4388.089 | 4388.265 | 4388.410 | 4388.555 |
| 50.0 | 4332.189 | 4332.406 | 4332.665 | 4332.914 | 4333.162 | 4333.410 | 4333.586 | 4333.607 | 4333.566 | 4333.514 |
| 50.5 | 4276.589 | 4276.817 | 4277.096 | 4277.375 | 4277.655 | 4277.934 | 4278.152 | 4278.245 | 4278.276 | 4278.297 |
| 51.0 | 4220.533 | 4220.730 | 4220.978 | 4221.237 | 4221.506 | 4221.775 | 4222.034 | 4222.231 | 4222.396 | 4222.531 |
| 51.5 | 4164.374 | 4164.498 | 4164.643 | 4164.798 | 4164.974 | 4165.150 | 4165.326 | 4165.523 | 4165.720 | 4165.896 |
| 52.0 | 4107.656 | 4107.708 | 4107.749 | 4107.811 | 4107.873 | 4107.956 | 4108.070 | 4108.267 | 4108.494 | 4108.701 |
| 52.5 | 4049.903 | 4049.913 | 4049.934 | 4049.986 | 4050.058 | 4050.131 | 4050.276 | 4050.566 | 4050.907 | 4051.218 |
| 53.0 | 3991.643 | 3991.633 | 3991.633 | 3991.664 | 3991.736 | 3991.819 | 3992.005 | 3992.399 | 3992.875 | 3993.309 |
| 53.5 | 3933.766 | 3933.673 | 3933.528 | 3933.424 | 3933.352 | 3933.290 | 3933.393 | 3933.880 | 3934.501 | 3935.101 |
| 54.0 | 3874.729 | 3874.616 | 3874.429 | 3874.274 | 3874.150 | 3874.046 | 3874.129 | 3874.667 | 3875.381 | 3876.044 |
| 54.5 | 3812.640 | 3812.723 | 3812.898 | 3813.116 | 3813.385 | 3813.685 | 3814.037 | 3814.534 | 3815.062 | 3815.538 |
| 55.0 | 3749.474 | 3749.753 | 3750.302 | 3750.892 | 3751.544 | 3752.247 | 3752.889 | 3753.324 | 3753.665 | 3753.976 |
| 55.5 | 3686.649 | 3686.949 | 3687.498 | 3688.077 | 3688.730 | 3689.413 | 3690.075 | 3690.593 | 3691.038 | 3691.421 |
| 56.0 | 3623.856 | 3624.083 | 3624.466 | 3624.891 | 3625.367 | 3625.874 | 3626.423 | 3627.033 | 3627.644 | 3628.203 |
| 56.5 | 3561.456 | 3561.569 | 3561.683 | 3561.828 | 3562.025 | 3562.232 | 3562.573 | 3563.225 | 3563.981 | 3564.674 |
| 57.0 | 3498.755 | 3498.735 | 3498.600 | 3498.486 | 3498.414 | 3498.331 | 3498.455 | 3499.107 | 3499.935 | 3500.722 |
| 57.5 | 3435.196 | 3435.103 | 3434.885 | 3434.689 | 3434.513 | 3434.337 | 3434.368 | 3434.927 | 3435.672 | 3436.376 |
| 58.0 | 3370.736 | 3370.612 | 3370.395 | 3370.198 | 3370.032 | 3369.856 | 3369.867 | 3370.322 | 3370.943 | 3371.533 |
| 58.5 | 3305.003 | 3304.920 | 3304.796 | 3304.693 | 3304.610 | 3304.548 | 3304.631 | 3305.065 | 3305.624 | 3306.152 |
| 59.0 | 3238.422 | 3238.391 | 3238.370 | 3238.370 | 3238.401 | 3238.453 | 3238.608 | 3239.012 | 3239.508 | 3239.964 |
| 59.5 | 3171.219 | 3171.188 | 3171.178 | 3171.188 | 3171.230 | 3171.292 | 3171.426 | 3171.726 | 3172.078 | 3172.399 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 60.0 | 3103.582 | 3103.551 | 3103.572 | 3103.603 | 3103.654 | 3103.727 | 3103.830 | 3103.955 | 3104.099 | 3104.234 |
| 60.5 | 3035.862 | 3035.893 | 3036.038 | 3036.172 | 3036.328 | 3036.504 | 3036.597 | 3036.473 | 3036.276 | 3036.090 |
| 61.0 | 2967.811 | 2967.945 | 2968.245 | 2968.535 | 2968.825 | 2969.125 | 2969.229 | 2968.856 | 2968.297 | 2967.759 |
| 61.5 | 2899.314 | 2899.625 | 2900.142 | 2900.629 | 2901.084 | 2901.540 | 2901.695 | 2901.095 | 2900.204 | 2899.366 |
| 62.0 | 2830.290 | 2830.735 | 2831.418 | 2832.050 | 2832.640 | 2833.230 | 2833.437 | 2832.702 | 2831.615 | 2830.570 |
| 62.5 | 2760.448 | 2760.852 | 2761.525 | 2762.146 | 2762.746 | 2763.346 | 2763.584 | 2762.922 | 2761.918 | 2760.956 |
| 63.0 | 2690.224 | 2690.534 | 2691.124 | 2691.683 | 2692.242 | 2692.822 | 2693.091 | 2692.583 | 2691.776 | 2691.000 |
| 63.5 | 2620.071 | 2620.320 | 2620.837 | 2621.344 | 2621.862 | 2622.410 | 2622.711 | 2622.359 | 2621.758 | 2621.179 |
| 64.0 | 2549.650 | 2549.857 | 2550.323 | 2550.788 | 2551.275 | 2551.803 | 2552.124 | 2551.917 | 2551.503 | 2551.099 |
| 64.5 | 2479.311 | 2479.508 | 2479.953 | 2480.398 | 2480.864 | 2481.361 | 2481.692 | 2481.557 | 2481.247 | 2480.947 |
| 65.0 | 2407.462 | 2407.720 | 2408.207 | 2408.683 | 2409.180 | 2409.708 | 2410.060 | 2409.977 | 2409.708 | 2409.439 |
| 65.5 | 2332.962 | 2333.449 | 2334.173 | 2334.908 | 2335.643 | 2336.388 | 2336.926 | 2336.906 | 2336.657 | 2336.399 |
| 66.0 | 2254.872 | 2255.493 | 2256.383 | 2257.252 | 2258.122 | 2258.991 | 2259.581 | 2259.488 | 2259.105 | 2258.701 |
| 66.5 | 2170.674 | 2171.026 | 2171.564 | 2172.061 | 2172.517 | 2172.962 | 2173.076 | 2172.392 | 2171.399 | 2170.457 |
| 67.0 | 2083.910 | 2083.952 | 2084.117 | 2084.200 | 2084.221 | 2084.221 | 2083.879 | 2082.689 | 2081.199 | 2079.812 |
| 67.5 | 1996.618 | 1996.712 | 1996.888 | 1997.012 | 1997.063 | 1997.105 | 1996.856 | 1995.894 | 1994.683 | 1993.555 |
| 68.0 | 1910.724 | 1910.931 | 1911.221 | 1911.469 | 1911.676 | 1911.883 | 1911.862 | 1911.324 | 1910.589 | 1909.896 |
| 68.5 | 1829.249 | 1829.445 | 1829.787 | 1830.128 | 1830.460 | 1830.791 | 1830.946 | 1830.646 | 1830.170 | 1829.714 |
| 69.0 | 1751.013 | 1751.106 | 1751.365 | 1751.644 | 1751.934 | 1752.245 | 1752.441 | 1752.317 | 1752.069 | 1751.831 |
| 69.5 | 1676.866 | 1676.627 | 1676.358 | 1676.100 | 1675.862 | 1675.634 | 1675.468 | 1675.437 | 1675.479 | 1675.520 |
| 70.0 | 1603.795 | 1603.246 | 1602.490 | 1601.745 | 1601.000 | 1600.255 | 1599.737 | 1599.768 | 1600.027 | 1600.307 |
| 70.5 | 1527.846 | 1527.360 | 1526.687 | 1526.035 | 1525.404 | 1524.772 | 1524.358 | 1524.462 | 1524.793 | 1525.124 |
| 71.0 | 1452.643 | 1452.271 | 1451.805 | 1451.360 | 1450.946 | 1450.532 | 1450.283 | 1450.408 | 1450.677 | 1450.956 |
| 71.5 | 1381.777 | 1381.363 | 1380.866 | 1380.379 | 1379.893 | 1379.417 | 1379.065 | 1378.972 | 1379.013 | 1379.075 |
| 72.0 | 1311.314 | 1310.848 | 1310.289 | 1309.710 | 1309.120 | 1308.530 | 1308.043 | 1307.774 | 1307.629 | 1307.526 |
| 72.5 | 1238.212 | 1237.756 | 1237.135 | 1236.514 | 1235.883 | 1235.241 | 1234.755 | 1234.651 | 1234.714 | 1234.796 |
| 73.0 | 1163.433 | 1163.040 | 1162.419 | 1161.819 | 1161.208 | 1160.587 | 1160.163 | 1160.256 | 1160.545 | 1160.856 |
| 73.5 | 1085.353 | 1085.115 | 1084.701 | 1084.297 | 1083.883 | 1083.459 | 1083.179 | 1083.303 | 1083.573 | 1083.842 |
| 74.0 | 1008.670 | 1008.576 | 1008.369 | 1008.152 | 1007.914 | 1007.666 | 1007.479 | 1007.510 | 1007.614 | 1007.717 |
| 74.5 | 938.817  | 938.797  | 938.610  | 938.383  | 938.103  | 937.782  | 937.451  | 937.130  | 936.830  | 936.551  |
| 75.0 | 872.060  | 871.967  | 871.687  | 871.335  | 870.911  | 870.425  | 869.876  | 869.265  | 868.644  | 868.075  |
| 75.5 | 806.762  | 806.275  | 805.603  | 804.888  | 804.154  | 803.388  | 802.694  | 802.197  | 801.814  | 801.494  |
| 76.0 | 742.054  | 741.257  | 740.325  | 739.404  | 738.493  | 737.603  | 736.889  | 736.599  | 736.516  | 736.485  |
| 76.5 | 675.162  | 674.748  | 674.323  | 673.888  | 673.474  | 673.071  | 672.709  | 672.429  | 672.201  | 672.025  |
| 77.0 | 610.164  | 610.153  | 610.226  | 610.288  | 610.339  | 610.412  | 610.381  | 610.132  | 609.801  | 609.491  |
| 77.5 | 551.055  | 550.837  | 550.651  | 550.485  | 550.330  | 550.206  | 550.113  | 550.113  | 550.144  | 550.185  |
| 78.0 | 495.330  | 494.802  | 494.181  | 493.602  | 493.064  | 492.546  | 492.256  | 492.484  | 492.939  | 493.384  |
| 78.5 | 441.904  | 441.231  | 440.289  | 439.368  | 438.467  | 437.577  | 437.018  | 437.298  | 437.929  | 438.561  |
| 79.0 | 390.568  | 389.916  | 388.870  | 387.846  | 386.811  | 385.744  | 385.030  | 385.237  | 385.807  | 386.376  |
| 79.5 | 340.246  | 339.904  | 339.418  | 338.921  | 338.404  | 337.886  | 337.462  | 337.327  | 337.317  | 337.327  |
| 80.0 | 292.584  | 292.594  | 292.719  | 292.822  | 292.926  | 293.029  | 292.977  | 292.543  | 291.973  | 291.446  |
| 80.5 | 248.524  | 248.700  | 249.042  | 249.363  | 249.673  | 250.004  | 250.139  | 249.777  | 249.228  | 248.710  |
| 81.0 | 209.132  | 209.298  | 209.546  | 209.784  | 210.022  | 210.271  | 210.405  | 210.271  | 210.022  | 209.784  |
| 81.5 | 176.944  | 176.695  | 176.250  | 175.815  | 175.381  | 174.925  | 174.667  | 174.884  | 175.288  | 175.681  |
| 82.0 | 148.533  | 147.933  | 146.898  | 145.883  | 144.869  | 143.813  | 143.182  | 143.648  | 144.538  | 145.407  |
| 82.5 | 120.515  | 120.143  | 119.480  | 118.839  | 118.176  | 117.493  | 117.058  | 117.276  | 117.742  | 118.207  |
| 83.0 | 95.427   | 95.375   | 95.261   | 95.148   | 95.013   | 94.868   | 94.734   | 94.640   | 94.558   | 94.495   |
| 83.5 | 75.307   | 75.276   | 75.224   | 75.172   | 75.100   | 75.037   | 74.965   | 74.882   | 74.810   | 74.737   |
| 84.0 | 58.374   | 58.312   | 58.229   | 58.146   | 58.063   | 57.981   | 57.919   | 57.919   | 57.950   | 57.970   |
| 84.5 | 43.211   | 43.211   | 43.222   | 43.222   | 43.222   | 43.222   | 43.211   | 43.191   | 43.170   | 43.149   |
| 85.0 | 30.791   | 30.864   | 30.946   | 31.040   | 31.112   | 31.185   | 31.226   | 31.185   | 31.102   | 31.019   |
| 85.5 | 21.849   | 21.942   | 22.045   | 22.149   | 22.242   | 22.325   | 22.377   | 22.346   | 22.284   | 22.221   |
| 86.0 | 15.691   | 15.773   | 15.867   | 15.949   | 16.022   | 16.094   | 16.136   | 16.136   | 16.105   | 16.074   |
| 86.5 | 12.275   | 12.306   | 12.337   | 12.379   | 12.410   | 12.430   | 12.451   | 12.451   | 12.441   | 12.420   |
| 87.0 | 10.360   | 10.350   | 10.340   | 10.329   | 10.329   | 10.319   | 10.309   | 10.309   | 10.309   | 10.298   |
| 87.5 | 8.590    | 8.601    | 8.611    | 8.622    | 8.632    | 8.642    | 8.642    | 8.653    | 8.653    | 8.653    |



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|             |       |       |       |       |       |       |       |       |       |       |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <b>88.0</b> | 7.390 | 7.421 | 7.452 | 7.493 | 7.524 | 7.555 | 7.576 | 7.587 | 7.587 | 7.597 |
| <b>88.5</b> | 6.759 | 6.779 | 6.800 | 6.810 | 6.831 | 6.841 | 6.862 | 6.862 | 6.872 | 6.883 |
| <b>89.0</b> | 6.541 | 6.541 | 6.531 | 6.520 | 6.520 | 6.510 | 6.510 | 6.520 | 6.520 | 6.531 |
| <b>89.5</b> | 6.520 | 6.520 | 6.510 | 6.500 | 6.489 | 6.479 | 6.479 | 6.479 | 6.489 | 6.489 |
| <b>90.0</b> | 6.779 | 6.779 | 6.779 | 6.779 | 6.769 | 6.769 | 6.769 | 6.769 | 6.779 | 6.779 |

**Vert. Horizontal Angles**  
**Angles**

|             | <u><b>175.0</b></u> | <u><b>177.5</b></u> | <u><b>180.0</b></u> | <u><b>182.5</b></u> | <u><b>185.0</b></u> | <u><b>187.5</b></u> | <u><b>190.0</b></u> | <u><b>192.5</b></u> | <u><b>195.0</b></u> | <u><b>197.5</b></u> |
|-------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| <b>0.0</b>  | 6999.280            | 6999.280            | 6999.280            | 6999.280            | 6999.280            | 6999.280            | 6999.280            | 6999.280            | 6999.280            | 6999.280            |
| <b>0.5</b>  | 6999.146            | 6999.198            | 6999.218            | 6999.198            | 6999.146            | 6999.094            | 6999.042            | 6998.991            | 6998.949            | 6998.949            |
| <b>1.0</b>  | 6998.370            | 6998.432            | 6998.452            | 6998.432            | 6998.370            | 6998.318            | 6998.266            | 6998.204            | 6998.163            | 6998.173            |
| <b>1.5</b>  | 6996.890            | 6996.879            | 6996.890            | 6996.879            | 6996.890            | 6996.890            | 6996.900            | 6996.900            | 6996.921            | 6996.952            |
| <b>2.0</b>  | 6994.913            | 6994.851            | 6994.820            | 6994.851            | 6994.913            | 6994.985            | 6995.068            | 6995.151            | 6995.223            | 6995.275            |
| <b>2.5</b>  | 6992.729            | 6992.646            | 6992.605            | 6992.646            | 6992.729            | 6992.812            | 6992.905            | 6992.998            | 6993.081            | 6993.112            |
| <b>3.0</b>  | 6990.162            | 6990.079            | 6990.038            | 6990.079            | 6990.162            | 6990.245            | 6990.338            | 6990.431            | 6990.504            | 6990.514            |
| <b>3.5</b>  | 6987.171            | 6987.088            | 6987.047            | 6987.088            | 6987.171            | 6987.254            | 6987.337            | 6987.430            | 6987.492            | 6987.512            |
| <b>4.0</b>  | 6983.724            | 6983.652            | 6983.611            | 6983.652            | 6983.724            | 6983.797            | 6983.880            | 6983.962            | 6984.035            | 6984.056            |
| <b>4.5</b>  | 6979.802            | 6979.729            | 6979.678            | 6979.729            | 6979.802            | 6979.885            | 6979.967            | 6980.060            | 6980.123            | 6980.112            |
| <b>5.0</b>  | 6975.331            | 6975.237            | 6975.186            | 6975.237            | 6975.331            | 6975.424            | 6975.506            | 6975.600            | 6975.662            | 6975.641            |
| <b>5.5</b>  | 6970.145            | 6970.042            | 6969.990            | 6970.042            | 6970.145            | 6970.249            | 6970.352            | 6970.466            | 6970.549            | 6970.570            |
| <b>6.0</b>  | 6964.432            | 6964.339            | 6964.287            | 6964.339            | 6964.432            | 6964.546            | 6964.660            | 6964.784            | 6964.887            | 6964.939            |
| <b>6.5</b>  | 6958.377            | 6958.305            | 6958.274            | 6958.305            | 6958.377            | 6958.450            | 6958.532            | 6958.615            | 6958.698            | 6958.760            |
| <b>7.0</b>  | 6951.877            | 6951.857            | 6951.836            | 6951.857            | 6951.877            | 6951.919            | 6951.960            | 6952.012            | 6952.064            | 6952.136            |
| <b>7.5</b>  | 6944.953            | 6944.922            | 6944.912            | 6944.922            | 6944.953            | 6944.984            | 6945.015            | 6945.057            | 6945.109            | 6945.181            |
| <b>8.0</b>  | 6937.543            | 6937.512            | 6937.501            | 6937.512            | 6937.543            | 6937.584            | 6937.625            | 6937.677            | 6937.729            | 6937.791            |
| <b>8.5</b>  | 6929.635            | 6929.594            | 6929.573            | 6929.594            | 6929.635            | 6929.687            | 6929.739            | 6929.791            | 6929.853            | 6929.904            |
| <b>9.0</b>  | 6921.241            | 6921.190            | 6921.169            | 6921.190            | 6921.241            | 6921.293            | 6921.345            | 6921.407            | 6921.469            | 6921.511            |
| <b>9.5</b>  | 6912.340            | 6912.299            | 6912.268            | 6912.299            | 6912.340            | 6912.382            | 6912.434            | 6912.496            | 6912.537            | 6912.568            |
| <b>10.0</b> | 6902.943            | 6902.912            | 6902.891            | 6902.912            | 6902.943            | 6902.974            | 6903.005            | 6903.046            | 6903.077            | 6903.088            |
| <b>10.5</b> | 6893.027            | 6893.027            | 6893.027            | 6893.027            | 6893.027            | 6893.017            | 6893.017            | 6893.027            | 6893.038            | 6893.058            |
| <b>11.0</b> | 6882.605            | 6882.636            | 6882.646            | 6882.636            | 6882.605            | 6882.584            | 6882.563            | 6882.553            | 6882.543            | 6882.574            |
| <b>11.5</b> | 6871.727            | 6871.706            | 6871.696            | 6871.706            | 6871.727            | 6871.758            | 6871.779            | 6871.810            | 6871.831            | 6871.841            |
| <b>12.0</b> | 6860.321            | 6860.249            | 6860.218            | 6860.249            | 6860.321            | 6860.394            | 6860.466            | 6860.539            | 6860.590            | 6860.570            |
| <b>12.5</b> | 6848.357            | 6848.305            | 6848.284            | 6848.305            | 6848.357            | 6848.408            | 6848.460            | 6848.512            | 6848.553            | 6848.543            |
| <b>13.0</b> | 6835.761            | 6835.750            | 6835.740            | 6835.750            | 6835.761            | 6835.792            | 6835.813            | 6835.844            | 6835.864            | 6835.875            |
| <b>13.5</b> | 6822.430            | 6822.399            | 6822.378            | 6822.399            | 6822.430            | 6822.461            | 6822.502            | 6822.554            | 6822.596            | 6822.637            |
| <b>14.0</b> | 6808.468            | 6808.416            | 6808.385            | 6808.416            | 6808.468            | 6808.530            | 6808.592            | 6808.664            | 6808.737            | 6808.799            |
| <b>14.5</b> | 6794.040            | 6793.967            | 6793.936            | 6793.967            | 6794.040            | 6794.112            | 6794.195            | 6794.278            | 6794.340            | 6794.371            |
| <b>15.0</b> | 6778.950            | 6778.877            | 6778.836            | 6778.877            | 6778.950            | 6779.032            | 6779.126            | 6779.208            | 6779.281            | 6779.291            |
| <b>15.5</b> | 6762.980            | 6762.917            | 6762.886            | 6762.917            | 6762.980            | 6763.052            | 6763.135            | 6763.218            | 6763.300            | 6763.352            |
| <b>16.0</b> | 6746.409            | 6746.347            | 6746.316            | 6746.347            | 6746.409            | 6746.482            | 6746.564            | 6746.658            | 6746.751            | 6746.844            |
| <b>16.5</b> | 6729.518            | 6729.415            | 6729.352            | 6729.415            | 6729.518            | 6729.632            | 6729.756            | 6729.891            | 6730.004            | 6730.077            |
| <b>17.0</b> | 6712.109            | 6711.964            | 6711.882            | 6711.964            | 6712.109            | 6712.265            | 6712.430            | 6712.606            | 6712.751            | 6712.803            |
| <b>17.5</b> | 6694.152            | 6694.007            | 6693.935            | 6694.007            | 6694.152            | 6694.297            | 6694.463            | 6694.628            | 6694.773            | 6694.825            |
| <b>18.0</b> | 6675.512            | 6675.367            | 6675.284            | 6675.367            | 6675.512            | 6675.677            | 6675.843            | 6676.029            | 6676.184            | 6676.247            |
| <b>18.5</b> | 6655.971            | 6655.733            | 6655.598            | 6655.733            | 6655.971            | 6656.230            | 6656.509            | 6656.809            | 6657.058            | 6657.161            |
| <b>19.0</b> | 6635.819            | 6635.488            | 6635.323            | 6635.488            | 6635.819            | 6636.161            | 6636.544            | 6636.948            | 6637.289            | 6637.444            |
| <b>19.5</b> | 6615.306            | 6615.006            | 6614.850            | 6615.006            | 6615.306            | 6615.637            | 6615.989            | 6616.382            | 6616.724            | 6616.931            |
| <b>20.0</b> | 6594.326            | 6594.078            | 6593.954            | 6594.078            | 6594.326            | 6594.595            | 6594.906            | 6595.247            | 6595.568            | 6595.817            |
| <b>20.5</b> | 6572.860            | 6572.622            | 6572.509            | 6572.622            | 6572.860            | 6573.119            | 6573.419            | 6573.751            | 6574.071            | 6574.320            |
| <b>21.0</b> | 6550.867            | 6550.660            | 6550.556            | 6550.660            | 6550.867            | 6551.105            | 6551.384            | 6551.684            | 6551.984            | 6552.223            |
| <b>21.5</b> | 6528.345            | 6528.231            | 6528.179            | 6528.231            | 6528.345            | 6528.490            | 6528.666            | 6528.863            | 6529.080            | 6529.318            |
| <b>22.0</b> | 6505.202            | 6505.182            | 6505.182            | 6505.182            | 6505.202            | 6505.254            | 6505.327            | 6505.420            | 6505.575            | 6505.834            |
| <b>22.5</b> | 6481.284            | 6481.294            | 6481.315            | 6481.294            | 6481.284            | 6481.304            | 6481.366            | 6481.449            | 6481.615            | 6481.967            |
| <b>23.0</b> | 6456.744            | 6456.754            | 6456.775            | 6456.754            | 6456.744            | 6456.785            | 6456.868            | 6456.982            | 6457.189            | 6457.624            |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 23.5 | 6431.707 | 6431.655 | 6431.645 | 6431.655 | 6431.707 | 6431.800 | 6431.945 | 6432.121 | 6432.380 | 6432.794 |
| 24.0 | 6406.184 | 6406.081 | 6406.039 | 6406.081 | 6406.184 | 6406.329 | 6406.526 | 6406.753 | 6407.033 | 6407.405 |
| 24.5 | 6380.268 | 6380.206 | 6380.185 | 6380.206 | 6380.268 | 6380.371 | 6380.516 | 6380.692 | 6380.940 | 6381.303 |
| 25.0 | 6353.896 | 6353.885 | 6353.896 | 6353.885 | 6353.896 | 6353.948 | 6354.041 | 6354.165 | 6354.362 | 6354.724 |
| 25.5 | 6327.089 | 6327.048 | 6327.038 | 6327.048 | 6327.089 | 6327.162 | 6327.276 | 6327.421 | 6327.607 | 6327.917 |
| 26.0 | 6299.776 | 6299.683 | 6299.641 | 6299.683 | 6299.776 | 6299.900 | 6300.045 | 6300.231 | 6300.438 | 6300.686 |
| 26.5 | 6271.851 | 6271.717 | 6271.655 | 6271.717 | 6271.851 | 6272.017 | 6272.214 | 6272.441 | 6272.679 | 6272.928 |
| 27.0 | 6243.410 | 6243.234 | 6243.140 | 6243.234 | 6243.410 | 6243.617 | 6243.865 | 6244.134 | 6244.414 | 6244.662 |
| 27.5 | 6214.523 | 6214.295 | 6214.181 | 6214.295 | 6214.523 | 6214.781 | 6215.082 | 6215.402 | 6215.703 | 6215.930 |
| 28.0 | 6185.129 | 6184.860 | 6184.715 | 6184.860 | 6185.129 | 6185.419 | 6185.750 | 6186.102 | 6186.423 | 6186.619 |
| 28.5 | 6155.155 | 6154.886 | 6154.752 | 6154.886 | 6155.155 | 6155.445 | 6155.755 | 6156.097 | 6156.397 | 6156.563 |
| 29.0 | 6124.674 | 6124.426 | 6124.302 | 6124.426 | 6124.674 | 6124.933 | 6125.223 | 6125.533 | 6125.803 | 6125.927 |
| 29.5 | 6093.749 | 6093.521 | 6093.407 | 6093.521 | 6093.749 | 6093.987 | 6094.245 | 6094.535 | 6094.773 | 6094.897 |
| 30.0 | 6062.285 | 6062.078 | 6061.974 | 6062.078 | 6062.285 | 6062.502 | 6062.740 | 6062.999 | 6063.226 | 6063.351 |
| 30.5 | 6030.138 | 6029.910 | 6029.796 | 6029.910 | 6030.138 | 6030.376 | 6030.624 | 6030.903 | 6031.131 | 6031.224 |
| 31.0 | 5997.483 | 5997.266 | 5997.142 | 5997.266 | 5997.483 | 5997.721 | 5997.980 | 5998.249 | 5998.467 | 5998.529 |
| 31.5 | 5964.519 | 5964.343 | 5964.249 | 5964.343 | 5964.519 | 5964.694 | 5964.881 | 5965.077 | 5965.233 | 5965.264 |
| 32.0 | 5931.088 | 5931.016 | 5930.964 | 5931.016 | 5931.088 | 5931.171 | 5931.254 | 5931.336 | 5931.399 | 5931.388 |
| 32.5 | 5897.171 | 5897.244 | 5897.275 | 5897.244 | 5897.171 | 5897.099 | 5897.016 | 5896.933 | 5896.871 | 5896.861 |
| 33.0 | 5862.685 | 5862.902 | 5863.016 | 5862.902 | 5862.685 | 5862.457 | 5862.219 | 5861.960 | 5861.774 | 5861.764 |
| 33.5 | 5827.464 | 5827.774 | 5827.930 | 5827.774 | 5827.464 | 5827.143 | 5826.812 | 5826.450 | 5826.170 | 5826.129 |
| 34.0 | 5791.736 | 5792.098 | 5792.295 | 5792.098 | 5791.736 | 5791.353 | 5790.939 | 5790.504 | 5790.152 | 5790.080 |
| 34.5 | 5755.707 | 5756.121 | 5756.349 | 5756.121 | 5755.707 | 5755.273 | 5754.817 | 5754.320 | 5753.937 | 5753.875 |
| 35.0 | 5719.182 | 5719.638 | 5719.876 | 5719.638 | 5719.182 | 5718.706 | 5718.209 | 5717.671 | 5717.257 | 5717.216 |
| 35.5 | 5682.036 | 5682.553 | 5682.823 | 5682.553 | 5682.036 | 5681.508 | 5680.949 | 5680.349 | 5679.894 | 5679.852 |
| 36.0 | 5644.176 | 5644.714 | 5645.004 | 5644.714 | 5644.176 | 5643.627 | 5643.037 | 5642.406 | 5641.940 | 5641.909 |
| 36.5 | 5605.384 | 5605.839 | 5606.088 | 5605.839 | 5605.384 | 5604.918 | 5604.411 | 5603.883 | 5603.479 | 5603.448 |
| 37.0 | 5565.878 | 5566.240 | 5566.426 | 5566.240 | 5565.878 | 5565.505 | 5565.112 | 5564.688 | 5564.367 | 5564.336 |
| 37.5 | 5525.792 | 5526.113 | 5526.279 | 5526.113 | 5525.792 | 5525.451 | 5525.089 | 5524.706 | 5524.395 | 5524.333 |
| 38.0 | 5485.169 | 5485.469 | 5485.634 | 5485.469 | 5485.169 | 5484.848 | 5484.496 | 5484.113 | 5483.813 | 5483.720 |
| 38.5 | 5444.162 | 5444.483 | 5444.648 | 5444.483 | 5444.162 | 5443.841 | 5443.479 | 5443.096 | 5442.796 | 5442.723 |
| 39.0 | 5402.627 | 5402.928 | 5403.083 | 5402.928 | 5402.627 | 5402.307 | 5401.955 | 5401.592 | 5401.292 | 5401.230 |
| 39.5 | 5360.389 | 5360.596 | 5360.710 | 5360.596 | 5360.389 | 5360.161 | 5359.903 | 5359.623 | 5359.385 | 5359.251 |
| 40.0 | 5317.571 | 5317.695 | 5317.747 | 5317.695 | 5317.571 | 5317.426 | 5317.261 | 5317.074 | 5316.878 | 5316.691 |
| 40.5 | 5274.246 | 5274.329 | 5274.370 | 5274.329 | 5274.246 | 5274.132 | 5273.987 | 5273.832 | 5273.635 | 5273.387 |
| 41.0 | 5230.362 | 5230.455 | 5230.507 | 5230.455 | 5230.362 | 5230.238 | 5230.083 | 5229.907 | 5229.700 | 5229.441 |
| 41.5 | 5185.971 | 5186.126 | 5186.209 | 5186.126 | 5185.971 | 5185.774 | 5185.567 | 5185.329 | 5185.091 | 5184.884 |
| 42.0 | 5140.876 | 5141.114 | 5141.238 | 5141.114 | 5140.876 | 5140.627 | 5140.358 | 5140.069 | 5139.810 | 5139.675 |
| 42.5 | 5094.912 | 5095.150 | 5095.284 | 5095.150 | 5094.912 | 5094.653 | 5094.373 | 5094.094 | 5093.856 | 5093.763 |
| 43.0 | 5048.171 | 5048.388 | 5048.502 | 5048.388 | 5048.171 | 5047.943 | 5047.716 | 5047.467 | 5047.281 | 5047.239 |
| 43.5 | 5000.623 | 5000.747 | 5000.820 | 5000.747 | 5000.623 | 5000.499 | 5000.375 | 5000.250 | 5000.168 | 5000.188 |
| 44.0 | 4952.547 | 4952.589 | 4952.609 | 4952.589 | 4952.547 | 4952.516 | 4952.496 | 4952.475 | 4952.496 | 4952.558 |
| 44.5 | 4904.347 | 4904.378 | 4904.399 | 4904.378 | 4904.347 | 4904.316 | 4904.306 | 4904.296 | 4904.316 | 4904.389 |
| 45.0 | 4855.651 | 4855.723 | 4855.764 | 4855.723 | 4855.651 | 4855.588 | 4855.526 | 4855.475 | 4855.454 | 4855.526 |
| 45.5 | 4806.167 | 4806.333 | 4806.426 | 4806.333 | 4806.167 | 4806.012 | 4805.857 | 4805.701 | 4805.629 | 4805.743 |
| 46.0 | 4756.094 | 4756.342 | 4756.487 | 4756.342 | 4756.094 | 4755.846 | 4755.597 | 4755.359 | 4755.214 | 4755.359 |
| 46.5 | 4705.586 | 4705.845 | 4705.990 | 4705.845 | 4705.586 | 4705.327 | 4705.058 | 4704.789 | 4704.613 | 4704.685 |
| 47.0 | 4654.467 | 4654.716 | 4654.850 | 4654.716 | 4654.467 | 4654.209 | 4653.939 | 4653.650 | 4653.443 | 4653.422 |
| 47.5 | 4602.552 | 4602.810 | 4602.945 | 4602.810 | 4602.552 | 4602.272 | 4601.972 | 4601.651 | 4601.393 | 4601.289 |
| 48.0 | 4550.005 | 4550.284 | 4550.419 | 4550.284 | 4550.005 | 4549.705 | 4549.384 | 4549.032 | 4548.721 | 4548.556 |
| 48.5 | 4497.023 | 4497.323 | 4497.489 | 4497.323 | 4497.023 | 4496.692 | 4496.330 | 4495.936 | 4495.595 | 4495.409 |
| 49.0 | 4443.358 | 4443.638 | 4443.793 | 4443.638 | 4443.358 | 4443.048 | 4442.696 | 4442.323 | 4442.003 | 4441.816 |
| 49.5 | 4388.659 | 4388.752 | 4388.793 | 4388.752 | 4388.659 | 4388.555 | 4388.410 | 4388.265 | 4388.089 | 4387.913 |
| 50.0 | 4333.452 | 4333.359 | 4333.307 | 4333.359 | 4333.452 | 4333.514 | 4333.566 | 4333.607 | 4333.586 | 4333.410 |
| 50.5 | 4278.286 | 4278.255 | 4278.234 | 4278.255 | 4278.286 | 4278.297 | 4278.276 | 4278.245 | 4278.152 | 4277.934 |
| 51.0 | 4222.645 | 4222.727 | 4222.758 | 4222.727 | 4222.645 | 4222.531 | 4222.396 | 4222.231 | 4222.034 | 4221.775 |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 51.5 | 4166.040 | 4166.165 | 4166.227 | 4166.165 | 4166.040 | 4165.896 | 4165.720 | 4165.523 | 4165.326 | 4165.150 |
| 52.0 | 4108.888 | 4109.053 | 4109.147 | 4109.053 | 4108.888 | 4108.701 | 4108.494 | 4108.267 | 4108.070 | 4107.956 |
| 52.5 | 4051.507 | 4051.766 | 4051.911 | 4051.766 | 4051.507 | 4051.218 | 4050.907 | 4050.566 | 4050.276 | 4050.131 |
| 53.0 | 3993.713 | 3994.086 | 3994.293 | 3994.086 | 3993.713 | 3993.309 | 3992.875 | 3992.399 | 3992.005 | 3991.819 |
| 53.5 | 3935.649 | 3936.177 | 3936.467 | 3936.177 | 3935.649 | 3935.101 | 3934.501 | 3933.880 | 3933.393 | 3933.290 |
| 54.0 | 3876.675 | 3877.275 | 3877.607 | 3877.275 | 3876.675 | 3876.044 | 3875.381 | 3874.667 | 3874.129 | 3874.046 |
| 54.5 | 3815.972 | 3816.355 | 3816.552 | 3816.355 | 3815.972 | 3815.538 | 3815.062 | 3814.534 | 3814.037 | 3813.685 |
| 55.0 | 3754.204 | 3754.369 | 3754.431 | 3754.369 | 3754.204 | 3753.976 | 3753.665 | 3753.324 | 3752.889 | 3752.247 |
| 55.5 | 3691.741 | 3691.990 | 3692.093 | 3691.990 | 3691.741 | 3691.421 | 3691.038 | 3690.593 | 3690.075 | 3689.413 |
| 56.0 | 3628.689 | 3629.103 | 3629.300 | 3629.103 | 3628.689 | 3628.203 | 3627.644 | 3627.033 | 3626.423 | 3625.874 |
| 56.5 | 3565.306 | 3565.885 | 3566.186 | 3565.885 | 3565.306 | 3564.674 | 3563.981 | 3563.225 | 3562.573 | 3562.232 |
| 57.0 | 3501.446 | 3502.140 | 3502.512 | 3502.140 | 3501.446 | 3500.722 | 3499.935 | 3499.107 | 3498.455 | 3498.331 |
| 57.5 | 3437.038 | 3437.690 | 3438.032 | 3437.690 | 3437.038 | 3436.376 | 3435.672 | 3434.927 | 3434.368 | 3434.337 |
| 58.0 | 3372.082 | 3372.630 | 3372.920 | 3372.630 | 3372.082 | 3371.533 | 3370.943 | 3370.322 | 3369.867 | 3369.856 |
| 58.5 | 3306.649 | 3307.135 | 3307.384 | 3307.135 | 3306.649 | 3306.152 | 3305.624 | 3305.065 | 3304.631 | 3304.548 |
| 59.0 | 3240.388 | 3240.782 | 3240.999 | 3240.782 | 3240.388 | 3239.964 | 3239.508 | 3239.012 | 3238.608 | 3238.453 |
| 59.5 | 3172.710 | 3172.989 | 3173.144 | 3172.989 | 3172.710 | 3172.399 | 3172.078 | 3171.726 | 3171.426 | 3171.292 |
| 60.0 | 3104.348 | 3104.462 | 3104.513 | 3104.462 | 3104.348 | 3104.234 | 3104.099 | 3103.955 | 3103.830 | 3103.727 |
| 60.5 | 3035.903 | 3035.717 | 3035.614 | 3035.717 | 3035.903 | 3036.090 | 3036.276 | 3036.473 | 3036.597 | 3036.504 |
| 61.0 | 2967.252 | 2966.745 | 2966.465 | 2966.745 | 2967.252 | 2967.759 | 2968.297 | 2968.856 | 2969.229 | 2969.125 |
| 61.5 | 2898.548 | 2897.731 | 2897.286 | 2897.731 | 2898.548 | 2899.366 | 2900.204 | 2901.095 | 2901.695 | 2901.540 |
| 62.0 | 2829.555 | 2828.551 | 2827.993 | 2828.551 | 2829.555 | 2830.570 | 2831.615 | 2832.702 | 2833.437 | 2833.230 |
| 62.5 | 2760.014 | 2759.082 | 2758.554 | 2759.082 | 2760.014 | 2760.956 | 2761.918 | 2762.922 | 2763.584 | 2763.346 |
| 63.0 | 2690.244 | 2689.478 | 2689.054 | 2689.478 | 2690.244 | 2691.000 | 2691.776 | 2692.583 | 2693.091 | 2692.822 |
| 63.5 | 2620.610 | 2620.020 | 2619.688 | 2620.020 | 2620.610 | 2621.179 | 2621.758 | 2622.359 | 2622.711 | 2622.410 |
| 64.0 | 2550.695 | 2550.261 | 2550.023 | 2550.261 | 2550.695 | 2551.099 | 2551.503 | 2551.917 | 2552.124 | 2551.803 |
| 64.5 | 2480.636 | 2480.295 | 2480.108 | 2480.295 | 2480.636 | 2480.947 | 2481.247 | 2481.557 | 2481.692 | 2481.361 |
| 65.0 | 2409.159 | 2408.849 | 2408.662 | 2408.849 | 2409.159 | 2409.439 | 2409.708 | 2409.977 | 2410.060 | 2409.708 |
| 65.5 | 2336.098 | 2335.757 | 2335.550 | 2335.757 | 2336.098 | 2336.399 | 2336.657 | 2336.906 | 2336.926 | 2336.388 |
| 66.0 | 2258.266 | 2257.780 | 2257.490 | 2257.780 | 2258.266 | 2258.701 | 2259.105 | 2259.488 | 2259.581 | 2258.991 |
| 66.5 | 2169.546 | 2168.646 | 2168.159 | 2168.646 | 2169.546 | 2170.457 | 2171.399 | 2172.392 | 2173.076 | 2172.962 |
| 67.0 | 2078.528 | 2077.307 | 2076.665 | 2077.307 | 2078.528 | 2079.812 | 2081.199 | 2082.689 | 2083.879 | 2084.221 |
| 67.5 | 1992.499 | 1991.495 | 1990.957 | 1991.495 | 1992.499 | 1993.555 | 1994.683 | 1995.894 | 1996.856 | 1997.105 |
| 68.0 | 1909.233 | 1908.592 | 1908.240 | 1908.592 | 1909.233 | 1909.896 | 1910.589 | 1911.324 | 1911.862 | 1911.883 |
| 68.5 | 1829.269 | 1828.814 | 1828.565 | 1828.814 | 1829.269 | 1829.714 | 1830.170 | 1830.646 | 1830.946 | 1830.791 |
| 69.0 | 1751.593 | 1751.334 | 1751.189 | 1751.334 | 1751.593 | 1751.831 | 1752.069 | 1752.317 | 1752.441 | 1752.245 |
| 69.5 | 1675.592 | 1675.675 | 1675.727 | 1675.675 | 1675.592 | 1675.520 | 1675.479 | 1675.437 | 1675.468 | 1675.634 |
| 70.0 | 1600.617 | 1600.990 | 1601.197 | 1600.990 | 1600.617 | 1600.307 | 1600.027 | 1599.768 | 1599.737 | 1600.255 |
| 70.5 | 1525.486 | 1525.880 | 1526.118 | 1525.880 | 1525.486 | 1525.124 | 1524.793 | 1524.462 | 1524.358 | 1524.772 |
| 71.0 | 1451.246 | 1451.567 | 1451.743 | 1451.567 | 1451.246 | 1450.956 | 1450.677 | 1450.408 | 1450.283 | 1450.532 |
| 71.5 | 1379.169 | 1379.303 | 1379.386 | 1379.303 | 1379.169 | 1379.075 | 1379.013 | 1378.972 | 1379.065 | 1379.417 |
| 72.0 | 1307.474 | 1307.474 | 1307.484 | 1307.474 | 1307.474 | 1307.526 | 1307.629 | 1307.774 | 1308.043 | 1308.530 |
| 72.5 | 1234.921 | 1235.097 | 1235.210 | 1235.097 | 1234.921 | 1234.796 | 1234.714 | 1234.651 | 1234.755 | 1235.241 |
| 73.0 | 1161.177 | 1161.539 | 1161.746 | 1161.539 | 1161.177 | 1160.856 | 1160.545 | 1160.256 | 1160.163 | 1160.587 |
| 73.5 | 1084.131 | 1084.432 | 1084.608 | 1084.432 | 1084.131 | 1083.842 | 1083.573 | 1083.303 | 1083.179 | 1083.459 |
| 74.0 | 1007.842 | 1007.966 | 1008.038 | 1007.966 | 1007.842 | 1007.717 | 1007.614 | 1007.510 | 1007.479 | 1007.666 |
| 74.5 | 936.313  | 936.106  | 936.002  | 936.106  | 936.313  | 936.551  | 936.830  | 937.130  | 937.451  | 937.782  |
| 75.0 | 867.578  | 867.144  | 866.916  | 867.144  | 867.578  | 868.075  | 868.644  | 869.265  | 869.876  | 870.425  |
| 75.5 | 801.245  | 801.080  | 801.018  | 801.080  | 801.245  | 801.494  | 801.814  | 802.197  | 802.694  | 803.388  |
| 76.0 | 736.537  | 736.661  | 736.754  | 736.661  | 736.537  | 736.485  | 736.516  | 736.599  | 736.889  | 737.603  |
| 76.5 | 671.881  | 671.798  | 671.756  | 671.798  | 671.881  | 672.025  | 672.201  | 672.429  | 672.709  | 673.071  |
| 77.0 | 609.201  | 608.922  | 608.766  | 608.922  | 609.201  | 609.491  | 609.801  | 610.132  | 610.381  | 610.412  |
| 77.5 | 550.237  | 550.309  | 550.351  | 550.309  | 550.237  | 550.185  | 550.144  | 550.113  | 550.113  | 550.206  |
| 78.0 | 493.840  | 494.326  | 494.606  | 494.326  | 493.840  | 493.384  | 492.939  | 492.484  | 492.256  | 492.546  |
| 78.5 | 439.213  | 439.906  | 440.299  | 439.906  | 439.213  | 438.561  | 437.929  | 437.298  | 437.018  | 437.577  |
| 79.0 | 386.986  | 387.649  | 388.032  | 387.649  | 386.986  | 386.376  | 385.807  | 385.237  | 385.030  | 385.744  |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |         |         |         |         |         |         |         |         |         |         |
|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 79.5 | 337.369 | 337.462 | 337.524 | 337.462 | 337.369 | 337.327 | 337.317 | 337.327 | 337.462 | 337.886 |
| 80.0 | 290.949 | 290.462 | 290.204 | 290.462 | 290.949 | 291.446 | 291.973 | 292.543 | 292.977 | 293.029 |
| 80.5 | 248.203 | 247.686 | 247.406 | 247.686 | 248.203 | 248.710 | 249.228 | 249.777 | 250.139 | 250.004 |
| 81.0 | 209.546 | 209.308 | 209.163 | 209.308 | 209.546 | 209.784 | 210.022 | 210.271 | 210.405 | 210.271 |
| 81.5 | 176.074 | 176.488 | 176.716 | 176.488 | 176.074 | 175.681 | 175.288 | 174.884 | 174.667 | 174.925 |
| 82.0 | 146.287 | 147.208 | 147.726 | 147.208 | 146.287 | 145.407 | 144.538 | 143.648 | 143.182 | 143.813 |
| 82.5 | 118.683 | 119.191 | 119.491 | 119.191 | 118.683 | 118.207 | 117.742 | 117.276 | 117.058 | 117.493 |
| 83.0 | 94.444  | 94.402  | 94.382  | 94.402  | 94.444  | 94.495  | 94.558  | 94.640  | 94.734  | 94.868  |
| 83.5 | 74.675  | 74.623  | 74.592  | 74.623  | 74.675  | 74.737  | 74.810  | 74.882  | 74.965  | 75.037  |
| 84.0 | 58.012  | 58.043  | 58.074  | 58.043  | 58.012  | 57.970  | 57.950  | 57.919  | 57.919  | 57.981  |
| 84.5 | 43.128  | 43.108  | 43.097  | 43.108  | 43.128  | 43.149  | 43.170  | 43.191  | 43.211  | 43.222  |
| 85.0 | 30.936  | 30.853  | 30.812  | 30.853  | 30.936  | 31.019  | 31.102  | 31.185  | 31.226  | 31.185  |
| 85.5 | 22.159  | 22.087  | 22.045  | 22.087  | 22.159  | 22.221  | 22.284  | 22.346  | 22.377  | 22.325  |
| 86.0 | 16.042  | 16.001  | 15.980  | 16.001  | 16.042  | 16.074  | 16.105  | 16.136  | 16.136  | 16.094  |
| 86.5 | 12.410  | 12.389  | 12.379  | 12.389  | 12.410  | 12.420  | 12.441  | 12.451  | 12.451  | 12.430  |
| 87.0 | 10.298  | 10.298  | 10.309  | 10.298  | 10.298  | 10.298  | 10.309  | 10.309  | 10.309  | 10.319  |
| 87.5 | 8.653   | 8.653   | 8.653   | 8.653   | 8.653   | 8.653   | 8.653   | 8.653   | 8.642   | 8.642   |
| 88.0 | 7.587   | 7.587   | 7.576   | 7.587   | 7.587   | 7.597   | 7.587   | 7.587   | 7.576   | 7.555   |
| 88.5 | 6.883   | 6.883   | 6.883   | 6.883   | 6.883   | 6.883   | 6.872   | 6.862   | 6.862   | 6.841   |
| 89.0 | 6.541   | 6.552   | 6.552   | 6.552   | 6.541   | 6.531   | 6.520   | 6.520   | 6.510   | 6.510   |
| 89.5 | 6.500   | 6.510   | 6.510   | 6.510   | 6.500   | 6.489   | 6.489   | 6.479   | 6.479   | 6.479   |
| 90.0 | 6.779   | 6.779   | 6.779   | 6.779   | 6.779   | 6.779   | 6.779   | 6.769   | 6.769   | 6.769   |

**Vert.  
Angles**

**Horizontal Angles**

|      | <u>200.0</u> | <u>202.5</u> | <u>205.0</u> | <u>207.5</u> | <u>210.0</u> | <u>212.5</u> | <u>215.0</u> | <u>217.5</u> | <u>220.0</u> | <u>222.5</u> |
|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0  | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     |
| 0.5  | 6998.960     | 6998.980     | 6999.001     | 6999.022     | 6999.053     | 6999.084     | 6999.104     | 6999.136     | 6999.146     | 6999.167     |
| 1.0  | 6998.194     | 6998.214     | 6998.245     | 6998.287     | 6998.318     | 6998.359     | 6998.390     | 6998.421     | 6998.442     | 6998.463     |
| 1.5  | 6996.983     | 6997.014     | 6997.045     | 6997.076     | 6997.107     | 6997.128     | 6997.138     | 6997.148     | 6997.138     | 6997.138     |
| 2.0  | 6995.306     | 6995.337     | 6995.358     | 6995.378     | 6995.378     | 6995.378     | 6995.358     | 6995.347     | 6995.316     | 6995.285     |
| 2.5  | 6993.122     | 6993.133     | 6993.122     | 6993.112     | 6993.101     | 6993.081     | 6993.060     | 6993.039     | 6993.008     | 6992.977     |
| 3.0  | 6990.493     | 6990.473     | 6990.452     | 6990.410     | 6990.369     | 6990.348     | 6990.317     | 6990.286     | 6990.266     | 6990.235     |
| 3.5  | 6987.502     | 6987.481     | 6987.461     | 6987.419     | 6987.378     | 6987.326     | 6987.274     | 6987.223     | 6987.171     | 6987.119     |
| 4.0  | 6984.056     | 6984.035     | 6984.014     | 6983.983     | 6983.931     | 6983.869     | 6983.797     | 6983.714     | 6983.642     | 6983.559     |
| 4.5  | 6980.081     | 6980.040     | 6979.988     | 6979.926     | 6979.864     | 6979.802     | 6979.740     | 6979.678     | 6979.615     | 6979.553     |
| 5.0  | 6975.589     | 6975.527     | 6975.455     | 6975.372     | 6975.299     | 6975.248     | 6975.206     | 6975.155     | 6975.113     | 6975.061     |
| 5.5  | 6970.538     | 6970.507     | 6970.466     | 6970.414     | 6970.363     | 6970.311     | 6970.269     | 6970.218     | 6970.156     | 6970.093     |
| 6.0  | 6964.960     | 6964.970     | 6964.970     | 6964.960     | 6964.929     | 6964.877     | 6964.825     | 6964.753     | 6964.670     | 6964.587     |
| 6.5  | 6958.812     | 6958.853     | 6958.884     | 6958.905     | 6958.895     | 6958.833     | 6958.750     | 6958.657     | 6958.553     | 6958.450     |
| 7.0  | 6952.209     | 6952.271     | 6952.312     | 6952.354     | 6952.354     | 6952.281     | 6952.167     | 6952.043     | 6951.929     | 6951.805     |
| 7.5  | 6945.253     | 6945.305     | 6945.357     | 6945.388     | 6945.378     | 6945.284     | 6945.140     | 6944.995     | 6944.860     | 6944.705     |
| 8.0  | 6937.853     | 6937.895     | 6937.936     | 6937.957     | 6937.936     | 6937.822     | 6937.677     | 6937.522     | 6937.377     | 6937.222     |
| 8.5  | 6929.956     | 6929.998     | 6930.018     | 6930.039     | 6930.029     | 6929.935     | 6929.822     | 6929.708     | 6929.594     | 6929.480     |
| 9.0  | 6921.552     | 6921.583     | 6921.604     | 6921.614     | 6921.604     | 6921.562     | 6921.490     | 6921.428     | 6921.355     | 6921.283     |
| 9.5  | 6912.589     | 6912.599     | 6912.610     | 6912.610     | 6912.610     | 6912.589     | 6912.568     | 6912.537     | 6912.516     | 6912.496     |
| 10.0 | 6903.098     | 6903.108     | 6903.108     | 6903.119     | 6903.119     | 6903.129     | 6903.139     | 6903.150     | 6903.160     | 6903.170     |
| 10.5 | 6893.089     | 6893.110     | 6893.141     | 6893.183     | 6893.203     | 6893.234     | 6893.255     | 6893.276     | 6893.296     | 6893.307     |
| 11.0 | 6882.615     | 6882.667     | 6882.708     | 6882.760     | 6882.812     | 6882.853     | 6882.884     | 6882.915     | 6882.936     | 6882.957     |
| 11.5 | 6871.831     | 6871.831     | 6871.841     | 6871.841     | 6871.862     | 6871.924     | 6871.996     | 6872.069     | 6872.131     | 6872.193     |
| 12.0 | 6860.528     | 6860.487     | 6860.446     | 6860.414     | 6860.404     | 6860.477     | 6860.590     | 6860.684     | 6860.777     | 6860.880     |
| 12.5 | 6848.522     | 6848.502     | 6848.481     | 6848.460     | 6848.471     | 6848.564     | 6848.678     | 6848.781     | 6848.874     | 6848.957     |
| 13.0 | 6835.885     | 6835.906     | 6835.916     | 6835.937     | 6835.968     | 6836.040     | 6836.133     | 6836.206     | 6836.268     | 6836.330     |
| 13.5 | 6822.678     | 6822.709     | 6822.740     | 6822.761     | 6822.782     | 6822.792     | 6822.792     | 6822.782     | 6822.761     | 6822.740     |
| 14.0 | 6808.840     | 6808.892     | 6808.923     | 6808.944     | 6808.934     | 6808.882     | 6808.799     | 6808.706     | 6808.623     | 6808.530     |
| 14.5 | 6794.392     | 6794.392     | 6794.392     | 6794.381     | 6794.350     | 6794.299     | 6794.226     | 6794.154     | 6794.092     | 6794.019     |

CANDELA TABULATION - (Cont.)

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 15.0 | 6779.270 | 6779.250 | 6779.219 | 6779.177 | 6779.136 | 6779.105 | 6779.074 | 6779.043 | 6779.012 | 6778.981 |
| 15.5 | 6763.383 | 6763.404 | 6763.425 | 6763.435 | 6763.435 | 6763.425 | 6763.383 | 6763.352 | 6763.311 | 6763.280 |
| 16.0 | 6746.927 | 6746.999 | 6747.061 | 6747.123 | 6747.154 | 6747.134 | 6747.092 | 6747.041 | 6746.989 | 6746.927 |
| 16.5 | 6730.129 | 6730.160 | 6730.191 | 6730.201 | 6730.191 | 6730.149 | 6730.087 | 6730.015 | 6729.953 | 6729.880 |
| 17.0 | 6712.803 | 6712.792 | 6712.772 | 6712.741 | 6712.679 | 6712.606 | 6712.534 | 6712.451 | 6712.378 | 6712.306 |
| 17.5 | 6694.835 | 6694.835 | 6694.814 | 6694.783 | 6694.742 | 6694.680 | 6694.618 | 6694.556 | 6694.494 | 6694.421 |
| 18.0 | 6676.278 | 6676.298 | 6676.298 | 6676.298 | 6676.267 | 6676.226 | 6676.184 | 6676.133 | 6676.071 | 6676.019 |
| 18.5 | 6657.203 | 6657.234 | 6657.234 | 6657.213 | 6657.182 | 6657.140 | 6657.078 | 6657.016 | 6656.944 | 6656.871 |
| 19.0 | 6637.507 | 6637.558 | 6637.579 | 6637.569 | 6637.527 | 6637.475 | 6637.413 | 6637.341 | 6637.248 | 6637.155 |
| 19.5 | 6617.065 | 6617.189 | 6617.272 | 6617.334 | 6617.355 | 6617.314 | 6617.252 | 6617.169 | 6617.076 | 6616.972 |
| 20.0 | 6596.013 | 6596.210 | 6596.365 | 6596.500 | 6596.583 | 6596.572 | 6596.521 | 6596.448 | 6596.355 | 6596.251 |
| 20.5 | 6574.527 | 6574.723 | 6574.899 | 6575.055 | 6575.158 | 6575.189 | 6575.168 | 6575.127 | 6575.065 | 6574.982 |
| 21.0 | 6552.440 | 6552.647 | 6552.833 | 6552.999 | 6553.123 | 6553.185 | 6553.195 | 6553.195 | 6553.164 | 6553.113 |
| 21.5 | 6529.566 | 6529.815 | 6530.042 | 6530.270 | 6530.446 | 6530.529 | 6530.570 | 6530.581 | 6530.570 | 6530.529 |
| 22.0 | 6506.144 | 6506.444 | 6506.745 | 6507.045 | 6507.272 | 6507.376 | 6507.407 | 6507.417 | 6507.397 | 6507.355 |
| 22.5 | 6482.391 | 6482.805 | 6483.209 | 6483.612 | 6483.913 | 6483.985 | 6483.944 | 6483.871 | 6483.768 | 6483.633 |
| 23.0 | 6458.141 | 6458.638 | 6459.124 | 6459.600 | 6459.942 | 6459.983 | 6459.890 | 6459.766 | 6459.590 | 6459.383 |
| 23.5 | 6433.270 | 6433.736 | 6434.181 | 6434.615 | 6434.936 | 6435.019 | 6434.978 | 6434.905 | 6434.791 | 6434.636 |
| 24.0 | 6407.819 | 6408.223 | 6408.616 | 6408.989 | 6409.289 | 6409.413 | 6409.444 | 6409.455 | 6409.413 | 6409.351 |
| 24.5 | 6381.727 | 6382.141 | 6382.545 | 6382.948 | 6383.269 | 6383.424 | 6383.497 | 6383.528 | 6383.528 | 6383.497 |
| 25.0 | 6355.148 | 6355.562 | 6355.987 | 6356.401 | 6356.742 | 6356.897 | 6356.980 | 6357.032 | 6357.042 | 6357.032 |
| 25.5 | 6328.259 | 6328.611 | 6328.952 | 6329.294 | 6329.563 | 6329.698 | 6329.749 | 6329.791 | 6329.811 | 6329.811 |
| 26.0 | 6300.956 | 6301.225 | 6301.483 | 6301.732 | 6301.928 | 6302.011 | 6302.042 | 6302.063 | 6302.073 | 6302.063 |
| 26.5 | 6273.176 | 6273.414 | 6273.652 | 6273.870 | 6274.035 | 6274.097 | 6274.108 | 6274.108 | 6274.108 | 6274.087 |
| 27.0 | 6244.900 | 6245.128 | 6245.335 | 6245.531 | 6245.676 | 6245.707 | 6245.687 | 6245.666 | 6245.645 | 6245.614 |
| 27.5 | 6216.127 | 6216.313 | 6216.469 | 6216.603 | 6216.686 | 6216.655 | 6216.582 | 6216.510 | 6216.448 | 6216.386 |
| 28.0 | 6186.774 | 6186.899 | 6187.002 | 6187.085 | 6187.106 | 6187.033 | 6186.919 | 6186.805 | 6186.712 | 6186.630 |
| 28.5 | 6156.666 | 6156.749 | 6156.811 | 6156.853 | 6156.863 | 6156.790 | 6156.708 | 6156.625 | 6156.552 | 6156.501 |
| 29.0 | 6125.999 | 6126.061 | 6126.092 | 6126.113 | 6126.103 | 6126.061 | 6125.999 | 6125.958 | 6125.916 | 6125.885 |
| 29.5 | 6094.970 | 6095.022 | 6095.063 | 6095.084 | 6095.073 | 6095.001 | 6094.918 | 6094.846 | 6094.784 | 6094.742 |
| 30.0 | 6063.423 | 6063.475 | 6063.516 | 6063.537 | 6063.516 | 6063.423 | 6063.299 | 6063.195 | 6063.113 | 6063.051 |
| 30.5 | 6031.266 | 6031.286 | 6031.286 | 6031.276 | 6031.235 | 6031.131 | 6031.007 | 6030.903 | 6030.831 | 6030.769 |
| 31.0 | 5998.529 | 5998.518 | 5998.487 | 5998.435 | 5998.363 | 5998.260 | 5998.146 | 5998.063 | 5998.001 | 5997.959 |
| 31.5 | 5965.233 | 5965.191 | 5965.140 | 5965.067 | 5964.995 | 5964.912 | 5964.829 | 5964.767 | 5964.726 | 5964.715 |
| 32.0 | 5931.347 | 5931.305 | 5931.254 | 5931.202 | 5931.129 | 5931.057 | 5930.974 | 5930.912 | 5930.881 | 5930.860 |
| 32.5 | 5896.871 | 5896.881 | 5896.881 | 5896.892 | 5896.861 | 5896.716 | 5896.550 | 5896.405 | 5896.291 | 5896.198 |
| 33.0 | 5861.826 | 5861.888 | 5861.940 | 5862.022 | 5862.022 | 5861.826 | 5861.567 | 5861.339 | 5861.153 | 5860.977 |
| 33.5 | 5826.180 | 5826.232 | 5826.294 | 5826.377 | 5826.387 | 5826.211 | 5825.963 | 5825.756 | 5825.580 | 5825.425 |
| 34.0 | 5790.121 | 5790.162 | 5790.214 | 5790.297 | 5790.318 | 5790.152 | 5789.924 | 5789.728 | 5789.562 | 5789.417 |
| 34.5 | 5753.937 | 5754.000 | 5754.072 | 5754.165 | 5754.186 | 5753.968 | 5753.668 | 5753.410 | 5753.172 | 5752.954 |
| 35.0 | 5717.309 | 5717.392 | 5717.495 | 5717.619 | 5717.640 | 5717.361 | 5716.978 | 5716.636 | 5716.326 | 5716.025 |
| 35.5 | 5679.976 | 5680.090 | 5680.225 | 5680.380 | 5680.421 | 5680.132 | 5679.718 | 5679.345 | 5678.993 | 5678.652 |
| 36.0 | 5642.044 | 5642.178 | 5642.333 | 5642.499 | 5642.551 | 5642.261 | 5641.837 | 5641.454 | 5641.081 | 5640.719 |
| 36.5 | 5603.573 | 5603.676 | 5603.800 | 5603.935 | 5603.945 | 5603.645 | 5603.221 | 5602.827 | 5602.455 | 5602.103 |
| 37.0 | 5564.408 | 5564.481 | 5564.553 | 5564.636 | 5564.615 | 5564.315 | 5563.922 | 5563.549 | 5563.208 | 5562.887 |
| 37.5 | 5524.364 | 5524.385 | 5524.416 | 5524.468 | 5524.447 | 5524.209 | 5523.909 | 5523.640 | 5523.391 | 5523.163 |
| 38.0 | 5483.709 | 5483.699 | 5483.709 | 5483.730 | 5483.709 | 5483.544 | 5483.326 | 5483.140 | 5482.985 | 5482.850 |
| 38.5 | 5442.734 | 5442.744 | 5442.765 | 5442.806 | 5442.785 | 5442.589 | 5442.340 | 5442.133 | 5441.937 | 5441.771 |
| 39.0 | 5401.240 | 5401.261 | 5401.282 | 5401.323 | 5401.303 | 5401.085 | 5400.816 | 5400.588 | 5400.381 | 5400.195 |
| 39.5 | 5359.178 | 5359.095 | 5359.033 | 5358.992 | 5358.930 | 5358.795 | 5358.661 | 5358.557 | 5358.485 | 5358.443 |
| 40.0 | 5316.495 | 5316.319 | 5316.153 | 5316.008 | 5315.905 | 5315.863 | 5315.884 | 5315.925 | 5316.008 | 5316.122 |
| 40.5 | 5273.128 | 5272.890 | 5272.662 | 5272.455 | 5272.321 | 5272.331 | 5272.414 | 5272.528 | 5272.683 | 5272.880 |
| 41.0 | 5229.161 | 5228.903 | 5228.665 | 5228.447 | 5228.313 | 5228.344 | 5228.468 | 5228.613 | 5228.799 | 5229.027 |
| 41.5 | 5184.687 | 5184.511 | 5184.367 | 5184.242 | 5184.180 | 5184.242 | 5184.356 | 5184.501 | 5184.677 | 5184.874 |
| 42.0 | 5139.592 | 5139.520 | 5139.489 | 5139.479 | 5139.510 | 5139.592 | 5139.706 | 5139.841 | 5139.986 | 5140.162 |
| 42.5 | 5093.742 | 5093.742 | 5093.773 | 5093.835 | 5093.928 | 5094.042 | 5094.177 | 5094.332 | 5094.487 | 5094.663 |

CANDELA TABULATION - (Cont.)

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 43.0 | 5047.270 | 5047.322 | 5047.395 | 5047.509 | 5047.633 | 5047.788 | 5047.954 | 5048.130 | 5048.305 | 5048.481 |
| 43.5 | 5000.261 | 5000.344 | 5000.457 | 5000.592 | 5000.747 | 5000.934 | 5001.130 | 5001.316 | 5001.513 | 5001.699 |
| 44.0 | 4952.661 | 4952.775 | 4952.910 | 4953.044 | 4953.210 | 4953.396 | 4953.593 | 4953.789 | 4953.965 | 4954.141 |
| 44.5 | 4904.482 | 4904.596 | 4904.710 | 4904.834 | 4904.968 | 4905.093 | 4905.227 | 4905.351 | 4905.465 | 4905.579 |
| 45.0 | 4855.630 | 4855.744 | 4855.858 | 4855.992 | 4856.096 | 4856.158 | 4856.189 | 4856.230 | 4856.272 | 4856.303 |
| 45.5 | 4805.940 | 4806.126 | 4806.333 | 4806.540 | 4806.705 | 4806.716 | 4806.674 | 4806.633 | 4806.581 | 4806.540 |
| 46.0 | 4755.607 | 4755.856 | 4756.125 | 4756.404 | 4756.611 | 4756.601 | 4756.508 | 4756.425 | 4756.332 | 4756.239 |
| 46.5 | 4704.861 | 4705.048 | 4705.255 | 4705.472 | 4705.648 | 4705.658 | 4705.617 | 4705.586 | 4705.545 | 4705.513 |
| 47.0 | 4653.494 | 4653.567 | 4653.670 | 4653.805 | 4653.919 | 4653.960 | 4653.991 | 4654.033 | 4654.084 | 4654.136 |
| 47.5 | 4601.258 | 4601.248 | 4601.268 | 4601.310 | 4601.372 | 4601.434 | 4601.517 | 4601.620 | 4601.734 | 4601.848 |
| 48.0 | 4548.452 | 4548.359 | 4548.307 | 4548.287 | 4548.307 | 4548.369 | 4548.463 | 4548.587 | 4548.732 | 4548.887 |
| 48.5 | 4495.295 | 4495.191 | 4495.129 | 4495.088 | 4495.077 | 4495.088 | 4495.119 | 4495.181 | 4495.264 | 4495.357 |
| 49.0 | 4441.692 | 4441.589 | 4441.506 | 4441.454 | 4441.402 | 4441.350 | 4441.299 | 4441.278 | 4441.288 | 4441.319 |
| 49.5 | 4387.737 | 4387.562 | 4387.386 | 4387.230 | 4387.096 | 4386.992 | 4386.920 | 4386.878 | 4386.858 | 4386.858 |
| 50.0 | 4333.162 | 4332.914 | 4332.665 | 4332.406 | 4332.189 | 4332.065 | 4331.992 | 4331.941 | 4331.910 | 4331.920 |
| 50.5 | 4277.655 | 4277.375 | 4277.096 | 4276.817 | 4276.589 | 4276.475 | 4276.413 | 4276.382 | 4276.392 | 4276.423 |
| 51.0 | 4221.506 | 4221.237 | 4220.978 | 4220.730 | 4220.533 | 4220.440 | 4220.388 | 4220.378 | 4220.419 | 4220.481 |
| 51.5 | 4164.974 | 4164.798 | 4164.643 | 4164.498 | 4164.374 | 4164.281 | 4164.219 | 4164.177 | 4164.188 | 4164.209 |
| 52.0 | 4107.873 | 4107.811 | 4107.749 | 4107.708 | 4107.656 | 4107.584 | 4107.501 | 4107.449 | 4107.418 | 4107.408 |
| 52.5 | 4050.058 | 4049.986 | 4049.934 | 4049.913 | 4049.903 | 4049.862 | 4049.831 | 4049.831 | 4049.851 | 4049.882 |
| 53.0 | 3991.736 | 3991.664 | 3991.633 | 3991.633 | 3991.643 | 3991.622 | 3991.622 | 3991.643 | 3991.684 | 3991.746 |
| 53.5 | 3933.352 | 3933.424 | 3933.528 | 3933.673 | 3933.766 | 3933.662 | 3933.507 | 3933.383 | 3933.269 | 3933.155 |
| 54.0 | 3874.150 | 3874.274 | 3874.429 | 3874.616 | 3874.729 | 3874.595 | 3874.377 | 3874.181 | 3873.995 | 3873.808 |
| 54.5 | 3813.385 | 3813.116 | 3812.898 | 3812.723 | 3812.640 | 3812.743 | 3812.930 | 3813.126 | 3813.333 | 3813.540 |
| 55.0 | 3751.544 | 3750.892 | 3750.302 | 3749.753 | 3749.474 | 3749.784 | 3750.353 | 3750.923 | 3751.502 | 3752.103 |
| 55.5 | 3688.730 | 3688.077 | 3687.498 | 3686.949 | 3686.649 | 3686.898 | 3687.374 | 3687.850 | 3688.336 | 3688.843 |
| 56.0 | 3625.367 | 3624.891 | 3624.466 | 3624.083 | 3623.856 | 3623.928 | 3624.125 | 3624.342 | 3624.560 | 3624.798 |
| 56.5 | 3562.025 | 3561.828 | 3561.683 | 3561.569 | 3561.456 | 3561.311 | 3561.166 | 3561.042 | 3560.917 | 3560.804 |
| 57.0 | 3498.414 | 3498.486 | 3498.600 | 3498.735 | 3498.755 | 3498.455 | 3498.020 | 3497.617 | 3497.213 | 3496.799 |
| 57.5 | 3434.513 | 3434.689 | 3434.885 | 3435.103 | 3435.196 | 3434.937 | 3434.544 | 3434.151 | 3433.757 | 3433.343 |
| 58.0 | 3370.032 | 3370.198 | 3370.395 | 3370.612 | 3370.736 | 3370.581 | 3370.322 | 3370.063 | 3369.784 | 3369.494 |
| 58.5 | 3304.610 | 3304.693 | 3304.796 | 3304.920 | 3305.003 | 3304.920 | 3304.776 | 3304.631 | 3304.475 | 3304.320 |
| 59.0 | 3238.401 | 3238.370 | 3238.370 | 3238.391 | 3238.422 | 3238.401 | 3238.380 | 3238.360 | 3238.339 | 3238.318 |
| 59.5 | 3171.230 | 3171.188 | 3171.178 | 3171.188 | 3171.219 | 3171.292 | 3171.374 | 3171.457 | 3171.530 | 3171.602 |
| 60.0 | 3103.654 | 3103.603 | 3103.572 | 3103.551 | 3103.582 | 3103.748 | 3103.944 | 3104.141 | 3104.317 | 3104.482 |
| 60.5 | 3036.328 | 3036.172 | 3036.038 | 3035.893 | 3035.862 | 3036.131 | 3036.504 | 3036.856 | 3037.187 | 3037.508 |
| 61.0 | 2968.825 | 2968.535 | 2968.245 | 2967.945 | 2967.811 | 2968.142 | 2968.649 | 2969.125 | 2969.591 | 2970.046 |
| 61.5 | 2901.084 | 2900.629 | 2900.142 | 2899.625 | 2899.314 | 2899.583 | 2900.070 | 2900.536 | 2901.012 | 2901.488 |
| 62.0 | 2832.640 | 2832.050 | 2831.418 | 2830.735 | 2830.290 | 2830.487 | 2830.942 | 2831.387 | 2831.863 | 2832.350 |
| 62.5 | 2762.746 | 2762.146 | 2761.525 | 2760.852 | 2760.448 | 2760.728 | 2761.266 | 2761.815 | 2762.384 | 2762.974 |
| 63.0 | 2692.242 | 2691.683 | 2691.124 | 2690.534 | 2690.224 | 2690.607 | 2691.259 | 2691.911 | 2692.573 | 2693.267 |
| 63.5 | 2621.862 | 2621.344 | 2620.837 | 2620.320 | 2620.071 | 2620.506 | 2621.210 | 2621.903 | 2622.617 | 2623.342 |
| 64.0 | 2551.275 | 2550.788 | 2550.323 | 2549.857 | 2549.650 | 2550.095 | 2550.809 | 2551.503 | 2552.206 | 2552.921 |
| 64.5 | 2480.864 | 2480.398 | 2479.953 | 2479.508 | 2479.311 | 2479.715 | 2480.357 | 2480.967 | 2481.578 | 2482.199 |
| 65.0 | 2409.180 | 2408.683 | 2408.207 | 2407.720 | 2407.462 | 2407.783 | 2408.321 | 2408.828 | 2409.335 | 2409.832 |
| 65.5 | 2335.643 | 2334.908 | 2334.173 | 2333.449 | 2332.962 | 2333.118 | 2333.521 | 2333.925 | 2334.329 | 2334.774 |
| 66.0 | 2258.122 | 2257.252 | 2256.383 | 2255.493 | 2254.872 | 2254.913 | 2255.234 | 2255.555 | 2255.917 | 2256.321 |
| 66.5 | 2172.517 | 2172.061 | 2171.564 | 2171.026 | 2170.674 | 2170.892 | 2171.326 | 2171.720 | 2172.103 | 2172.506 |
| 67.0 | 2084.221 | 2084.200 | 2084.117 | 2083.952 | 2083.910 | 2084.304 | 2084.821 | 2085.277 | 2085.680 | 2086.063 |
| 67.5 | 1997.063 | 1997.012 | 1996.888 | 1996.712 | 1996.618 | 1996.856 | 1997.198 | 1997.498 | 1997.767 | 1998.036 |
| 68.0 | 1911.676 | 1911.469 | 1911.221 | 1910.931 | 1910.724 | 1910.796 | 1910.972 | 1911.138 | 1911.314 | 1911.510 |
| 68.5 | 1830.460 | 1830.128 | 1829.787 | 1829.445 | 1829.249 | 1829.425 | 1829.756 | 1830.108 | 1830.470 | 1830.863 |
| 69.0 | 1751.934 | 1751.644 | 1751.365 | 1751.106 | 1751.013 | 1751.292 | 1751.748 | 1752.214 | 1752.710 | 1753.228 |
| 69.5 | 1675.862 | 1676.100 | 1676.358 | 1676.627 | 1676.866 | 1677.010 | 1677.124 | 1677.248 | 1677.362 | 1677.487 |
| 70.0 | 1601.000 | 1601.745 | 1602.490 | 1603.246 | 1603.795 | 1603.784 | 1603.546 | 1603.298 | 1603.039 | 1602.760 |
| 70.5 | 1525.404 | 1526.035 | 1526.687 | 1527.360 | 1527.846 | 1527.846 | 1527.650 | 1527.484 | 1527.308 | 1527.122 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 71.0 | 1450.946 | 1451.360 | 1451.805 | 1452.271 | 1452.643 | 1452.705 | 1452.664 | 1452.654 | 1452.654 | 1452.654 |
| 71.5 | 1379.893 | 1380.379 | 1380.866 | 1381.363 | 1381.777 | 1381.953 | 1382.035 | 1382.098 | 1382.129 | 1382.129 |
| 72.0 | 1309.120 | 1309.710 | 1310.289 | 1310.848 | 1311.314 | 1311.552 | 1311.666 | 1311.718 | 1311.697 | 1311.614 |
| 72.5 | 1235.883 | 1236.514 | 1237.135 | 1237.756 | 1238.212 | 1238.243 | 1238.098 | 1237.932 | 1237.736 | 1237.487 |
| 73.0 | 1161.208 | 1161.819 | 1162.419 | 1163.040 | 1163.433 | 1163.247 | 1162.833 | 1162.450 | 1162.067 | 1161.684 |
| 73.5 | 1083.883 | 1084.297 | 1084.701 | 1085.115 | 1085.353 | 1085.146 | 1084.773 | 1084.421 | 1084.059 | 1083.686 |
| 74.0 | 1007.914 | 1008.152 | 1008.369 | 1008.576 | 1008.670 | 1008.494 | 1008.204 | 1007.893 | 1007.562 | 1007.210 |
| 74.5 | 938.103  | 938.383  | 938.610  | 938.797  | 938.817  | 938.528  | 938.083  | 937.627  | 937.130  | 936.623  |
| 75.0 | 870.911  | 871.335  | 871.687  | 871.967  | 872.060  | 871.739  | 871.242  | 870.714  | 870.145  | 869.555  |
| 75.5 | 804.154  | 804.888  | 805.603  | 806.275  | 806.762  | 806.834  | 806.720  | 806.555  | 806.317  | 806.037  |
| 76.0 | 738.493  | 739.404  | 740.325  | 741.257  | 742.054  | 742.519  | 742.819  | 743.047  | 743.182  | 743.254  |
| 76.5 | 673.474  | 673.888  | 674.323  | 674.748  | 675.162  | 675.565  | 675.927  | 676.248  | 676.497  | 676.704  |
| 77.0 | 610.339  | 610.288  | 610.226  | 610.153  | 610.164  | 610.412  | 610.722  | 611.012  | 611.271  | 611.509  |
| 77.5 | 550.330  | 550.485  | 550.651  | 550.837  | 551.055  | 551.334  | 551.624  | 551.893  | 552.121  | 552.338  |
| 78.0 | 493.064  | 493.602  | 494.181  | 494.802  | 495.330  | 495.610  | 495.765  | 495.900  | 495.982  | 496.034  |
| 78.5 | 438.467  | 439.368  | 440.289  | 441.231  | 441.904  | 441.852  | 441.500  | 441.148  | 440.744  | 440.299  |
| 79.0 | 386.811  | 387.846  | 388.870  | 389.916  | 390.568  | 390.267  | 389.574  | 388.870  | 388.146  | 387.369  |
| 79.5 | 338.404  | 338.921  | 339.418  | 339.904  | 340.246  | 340.204  | 340.008  | 339.811  | 339.583  | 339.335  |
| 80.0 | 292.926  | 292.822  | 292.719  | 292.594  | 292.584  | 292.853  | 293.236  | 293.609  | 293.981  | 294.344  |
| 80.5 | 249.673  | 249.363  | 249.042  | 248.700  | 248.524  | 248.773  | 249.187  | 249.601  | 250.035  | 250.470  |
| 81.0 | 210.022  | 209.784  | 209.546  | 209.298  | 209.132  | 209.215  | 209.391  | 209.577  | 209.774  | 210.001  |
| 81.5 | 175.381  | 175.815  | 176.250  | 176.695  | 176.944  | 176.685  | 176.229  | 175.795  | 175.360  | 174.915  |
| 82.0 | 144.869  | 145.883  | 146.898  | 147.933  | 148.533  | 148.026  | 147.063  | 146.132  | 145.179  | 144.196  |
| 82.5 | 118.176  | 118.839  | 119.480  | 120.143  | 120.515  | 120.174  | 119.553  | 118.942  | 118.321  | 117.679  |
| 83.0 | 95.013   | 95.148   | 95.261   | 95.375   | 95.427   | 95.355   | 95.220   | 95.085   | 94.961   | 94.827   |
| 83.5 | 75.100   | 75.172   | 75.224   | 75.276   | 75.307   | 75.307   | 75.296   | 75.265   | 75.244   | 75.213   |
| 84.0 | 58.063   | 58.146   | 58.229   | 58.312   | 58.374   | 58.395   | 58.395   | 58.384   | 58.364   | 58.333   |
| 84.5 | 43.222   | 43.222   | 43.222   | 43.211   | 43.211   | 43.222   | 43.232   | 43.232   | 43.242   | 43.232   |
| 85.0 | 31.112   | 31.040   | 30.946   | 30.864   | 30.791   | 30.771   | 30.771   | 30.781   | 30.781   | 30.791   |
| 85.5 | 22.242   | 22.149   | 22.045   | 21.942   | 21.849   | 21.807   | 21.787   | 21.756   | 21.735   | 21.725   |
| 86.0 | 16.022   | 15.949   | 15.867   | 15.773   | 15.691   | 15.639   | 15.587   | 15.546   | 15.504   | 15.463   |
| 86.5 | 12.410   | 12.379   | 12.337   | 12.306   | 12.275   | 12.244   | 12.223   | 12.203   | 12.182   | 12.172   |
| 87.0 | 10.329   | 10.329   | 10.340   | 10.350   | 10.360   | 10.371   | 10.381   | 10.381   | 10.391   | 10.402   |
| 87.5 | 8.632    | 8.622    | 8.611    | 8.601    | 8.590    | 8.590    | 8.590    | 8.580    | 8.580    | 8.580    |
| 88.0 | 7.524    | 7.493    | 7.452    | 7.421    | 7.390    | 7.369    | 7.348    | 7.328    | 7.307    | 7.286    |
| 88.5 | 6.831    | 6.810    | 6.800    | 6.779    | 6.759    | 6.748    | 6.727    | 6.707    | 6.696    | 6.676    |
| 89.0 | 6.520    | 6.520    | 6.531    | 6.541    | 6.541    | 6.531    | 6.520    | 6.510    | 6.500    | 6.479    |
| 89.5 | 6.489    | 6.500    | 6.510    | 6.520    | 6.520    | 6.520    | 6.510    | 6.510    | 6.500    | 6.489    |
| 90.0 | 6.769    | 6.779    | 6.779    | 6.779    | 6.779    | 6.779    | 6.779    | 6.779    | 6.779    | 6.779    |

**Vert.  
Angles**

**Horizontal Angles**

|     | <u>225.0</u> | <u>227.5</u> | <u>230.0</u> | <u>232.5</u> | <u>235.0</u> | <u>237.5</u> | <u>240.0</u> | <u>242.5</u> | <u>245.0</u> | <u>247.5</u> |
|-----|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0 | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     |
| 0.5 | 6999.167     | 6999.125     | 6999.073     | 6999.022     | 6998.970     | 6998.918     | 6998.887     | 6998.908     | 6998.949     | 6998.991     |
| 1.0 | 6998.452     | 6998.390     | 6998.308     | 6998.225     | 6998.152     | 6998.080     | 6998.038     | 6998.080     | 6998.152     | 6998.235     |
| 1.5 | 6997.117     | 6997.045     | 6996.962     | 6996.890     | 6996.817     | 6996.755     | 6996.724     | 6996.796     | 6996.900     | 6997.003     |
| 2.0 | 6995.244     | 6995.182     | 6995.120     | 6995.058     | 6995.006     | 6994.964     | 6994.964     | 6995.047     | 6995.161     | 6995.285     |
| 2.5 | 6992.946     | 6992.894     | 6992.843     | 6992.801     | 6992.770     | 6992.739     | 6992.750     | 6992.843     | 6992.957     | 6993.070     |
| 3.0 | 6990.214     | 6990.172     | 6990.141     | 6990.110     | 6990.090     | 6990.079     | 6990.100     | 6990.172     | 6990.276     | 6990.369     |
| 3.5 | 6987.078     | 6987.047     | 6987.026     | 6987.026     | 6987.026     | 6987.026     | 6987.047     | 6987.098     | 6987.150     | 6987.212     |
| 4.0 | 6983.507     | 6983.476     | 6983.455     | 6983.455     | 6983.455     | 6983.455     | 6983.476     | 6983.497     | 6983.528     | 6983.548     |
| 4.5 | 6979.481     | 6979.419     | 6979.346     | 6979.284     | 6979.232     | 6979.191     | 6979.181     | 6979.212     | 6979.264     | 6979.326     |
| 5.0 | 6974.989     | 6974.885     | 6974.751     | 6974.637     | 6974.534     | 6974.440     | 6974.399     | 6974.440     | 6974.523     | 6974.627     |
| 5.5 | 6970.011     | 6969.886     | 6969.752     | 6969.617     | 6969.503     | 6969.400     | 6969.338     | 6969.379     | 6969.462     | 6969.545     |
| 6.0 | 6964.494     | 6964.370     | 6964.256     | 6964.142     | 6964.039     | 6963.946     | 6963.894     | 6963.925     | 6963.987     | 6964.070     |

CANDELA TABULATION - (Cont.)

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 6.5  | 6958.346 | 6958.274 | 6958.201 | 6958.139 | 6958.087 | 6958.056 | 6958.046 | 6958.077 | 6958.150 | 6958.222 |
| 7.0  | 6951.701 | 6951.650 | 6951.639 | 6951.629 | 6951.639 | 6951.660 | 6951.691 | 6951.753 | 6951.826 | 6951.888 |
| 7.5  | 6944.601 | 6944.560 | 6944.570 | 6944.581 | 6944.612 | 6944.653 | 6944.715 | 6944.788 | 6944.870 | 6944.943 |
| 8.0  | 6937.108 | 6937.077 | 6937.087 | 6937.108 | 6937.139 | 6937.191 | 6937.263 | 6937.346 | 6937.429 | 6937.522 |
| 8.5  | 6929.387 | 6929.356 | 6929.345 | 6929.356 | 6929.387 | 6929.418 | 6929.470 | 6929.552 | 6929.646 | 6929.739 |
| 9.0  | 6921.231 | 6921.200 | 6921.190 | 6921.190 | 6921.190 | 6921.210 | 6921.252 | 6921.314 | 6921.407 | 6921.490 |
| 9.5  | 6912.475 | 6912.475 | 6912.475 | 6912.485 | 6912.506 | 6912.527 | 6912.547 | 6912.599 | 6912.651 | 6912.703 |
| 10.0 | 6903.181 | 6903.191 | 6903.212 | 6903.232 | 6903.253 | 6903.274 | 6903.295 | 6903.326 | 6903.367 | 6903.388 |
| 10.5 | 6893.327 | 6893.327 | 6893.317 | 6893.317 | 6893.317 | 6893.327 | 6893.338 | 6893.410 | 6893.483 | 6893.555 |
| 11.0 | 6882.967 | 6882.936 | 6882.895 | 6882.864 | 6882.833 | 6882.812 | 6882.822 | 6882.915 | 6883.050 | 6883.174 |
| 11.5 | 6872.213 | 6872.162 | 6872.069 | 6871.986 | 6871.913 | 6871.841 | 6871.820 | 6871.934 | 6872.110 | 6872.265 |
| 12.0 | 6860.922 | 6860.839 | 6860.704 | 6860.580 | 6860.456 | 6860.342 | 6860.290 | 6860.404 | 6860.580 | 6860.756 |
| 12.5 | 6848.988 | 6848.885 | 6848.719 | 6848.564 | 6848.419 | 6848.264 | 6848.170 | 6848.253 | 6848.398 | 6848.543 |
| 13.0 | 6836.330 | 6836.216 | 6836.051 | 6835.895 | 6835.740 | 6835.585 | 6835.481 | 6835.543 | 6835.647 | 6835.761 |
| 13.5 | 6822.699 | 6822.606 | 6822.513 | 6822.420 | 6822.337 | 6822.264 | 6822.233 | 6822.316 | 6822.440 | 6822.565 |
| 14.0 | 6808.447 | 6808.395 | 6808.364 | 6808.344 | 6808.333 | 6808.344 | 6808.385 | 6808.499 | 6808.654 | 6808.789 |
| 14.5 | 6793.957 | 6793.916 | 6793.885 | 6793.864 | 6793.864 | 6793.864 | 6793.905 | 6794.009 | 6794.143 | 6794.278 |
| 15.0 | 6778.950 | 6778.908 | 6778.867 | 6778.825 | 6778.805 | 6778.794 | 6778.825 | 6778.908 | 6779.022 | 6779.146 |
| 15.5 | 6763.238 | 6763.187 | 6763.145 | 6763.114 | 6763.104 | 6763.093 | 6763.124 | 6763.228 | 6763.363 | 6763.497 |
| 16.0 | 6746.875 | 6746.834 | 6746.803 | 6746.782 | 6746.782 | 6746.792 | 6746.834 | 6746.937 | 6747.072 | 6747.206 |
| 16.5 | 6729.829 | 6729.808 | 6729.818 | 6729.829 | 6729.849 | 6729.891 | 6729.932 | 6729.994 | 6730.056 | 6730.139 |
| 17.0 | 6712.254 | 6712.254 | 6712.285 | 6712.316 | 6712.368 | 6712.420 | 6712.461 | 6712.472 | 6712.482 | 6712.492 |
| 17.5 | 6694.380 | 6694.369 | 6694.380 | 6694.400 | 6694.421 | 6694.452 | 6694.483 | 6694.483 | 6694.483 | 6694.494 |
| 18.0 | 6675.967 | 6675.936 | 6675.915 | 6675.895 | 6675.884 | 6675.884 | 6675.895 | 6675.905 | 6675.915 | 6675.946 |
| 18.5 | 6656.799 | 6656.737 | 6656.664 | 6656.613 | 6656.561 | 6656.530 | 6656.519 | 6656.540 | 6656.592 | 6656.664 |
| 19.0 | 6637.061 | 6636.968 | 6636.875 | 6636.782 | 6636.720 | 6636.658 | 6636.637 | 6636.668 | 6636.730 | 6636.813 |
| 19.5 | 6616.879 | 6616.807 | 6616.744 | 6616.693 | 6616.641 | 6616.610 | 6616.579 | 6616.558 | 6616.548 | 6616.558 |
| 20.0 | 6596.158 | 6596.117 | 6596.096 | 6596.065 | 6596.034 | 6596.024 | 6595.993 | 6595.920 | 6595.837 | 6595.775 |
| 20.5 | 6574.899 | 6574.837 | 6574.775 | 6574.713 | 6574.651 | 6574.589 | 6574.537 | 6574.475 | 6574.423 | 6574.382 |
| 21.0 | 6553.040 | 6552.947 | 6552.844 | 6552.730 | 6552.626 | 6552.533 | 6552.450 | 6552.409 | 6552.398 | 6552.409 |
| 21.5 | 6530.477 | 6530.384 | 6530.281 | 6530.167 | 6530.063 | 6529.960 | 6529.877 | 6529.835 | 6529.815 | 6529.815 |
| 22.0 | 6507.283 | 6507.200 | 6507.107 | 6507.014 | 6506.921 | 6506.827 | 6506.745 | 6506.693 | 6506.672 | 6506.651 |
| 22.5 | 6483.499 | 6483.405 | 6483.323 | 6483.240 | 6483.167 | 6483.095 | 6483.043 | 6483.012 | 6482.991 | 6482.991 |
| 23.0 | 6459.186 | 6459.083 | 6459.000 | 6458.928 | 6458.866 | 6458.814 | 6458.772 | 6458.752 | 6458.752 | 6458.762 |
| 23.5 | 6434.481 | 6434.357 | 6434.253 | 6434.139 | 6434.036 | 6433.943 | 6433.870 | 6433.850 | 6433.860 | 6433.870 |
| 24.0 | 6409.248 | 6409.144 | 6409.020 | 6408.885 | 6408.761 | 6408.627 | 6408.533 | 6408.502 | 6408.502 | 6408.502 |
| 24.5 | 6383.445 | 6383.404 | 6383.342 | 6383.269 | 6383.197 | 6383.114 | 6383.041 | 6382.990 | 6382.959 | 6382.917 |
| 25.0 | 6357.022 | 6357.042 | 6357.063 | 6357.063 | 6357.063 | 6357.053 | 6357.032 | 6356.980 | 6356.918 | 6356.846 |
| 25.5 | 6329.811 | 6329.863 | 6329.925 | 6329.967 | 6330.018 | 6330.049 | 6330.070 | 6330.080 | 6330.080 | 6330.049 |
| 26.0 | 6302.073 | 6302.146 | 6302.229 | 6302.311 | 6302.394 | 6302.477 | 6302.549 | 6302.622 | 6302.694 | 6302.725 |
| 26.5 | 6274.097 | 6274.180 | 6274.294 | 6274.408 | 6274.522 | 6274.625 | 6274.739 | 6274.853 | 6274.946 | 6275.018 |
| 27.0 | 6245.614 | 6245.718 | 6245.873 | 6246.018 | 6246.173 | 6246.328 | 6246.473 | 6246.608 | 6246.732 | 6246.815 |
| 27.5 | 6216.386 | 6216.551 | 6216.789 | 6217.027 | 6217.276 | 6217.524 | 6217.742 | 6217.897 | 6218.021 | 6218.104 |
| 28.0 | 6186.630 | 6186.837 | 6187.137 | 6187.437 | 6187.758 | 6188.079 | 6188.358 | 6188.534 | 6188.648 | 6188.731 |
| 28.5 | 6156.511 | 6156.677 | 6156.915 | 6157.163 | 6157.422 | 6157.691 | 6157.939 | 6158.136 | 6158.291 | 6158.426 |
| 29.0 | 6125.906 | 6126.030 | 6126.206 | 6126.393 | 6126.600 | 6126.807 | 6127.024 | 6127.231 | 6127.438 | 6127.603 |
| 29.5 | 6094.763 | 6094.929 | 6095.167 | 6095.415 | 6095.684 | 6095.953 | 6096.212 | 6096.429 | 6096.626 | 6096.781 |
| 30.0 | 6063.071 | 6063.299 | 6063.609 | 6063.941 | 6064.282 | 6064.624 | 6064.945 | 6065.172 | 6065.348 | 6065.493 |
| 30.5 | 6030.810 | 6031.048 | 6031.380 | 6031.721 | 6032.083 | 6032.456 | 6032.787 | 6033.046 | 6033.243 | 6033.408 |
| 31.0 | 5998.011 | 5998.239 | 5998.560 | 5998.891 | 5999.243 | 5999.605 | 5999.947 | 6000.226 | 6000.454 | 6000.650 |
| 31.5 | 5964.767 | 5964.964 | 5965.222 | 5965.502 | 5965.802 | 5966.112 | 5966.423 | 5966.692 | 5966.930 | 5967.147 |
| 32.0 | 5930.912 | 5931.088 | 5931.316 | 5931.574 | 5931.844 | 5932.123 | 5932.402 | 5932.661 | 5932.889 | 5933.106 |
| 32.5 | 5896.209 | 5896.457 | 5896.788 | 5897.150 | 5897.523 | 5897.906 | 5898.247 | 5898.465 | 5898.620 | 5898.755 |
| 33.0 | 5860.956 | 5861.257 | 5861.702 | 5862.167 | 5862.643 | 5863.130 | 5863.544 | 5863.730 | 5863.823 | 5863.885 |
| 33.5 | 5825.394 | 5825.673 | 5826.087 | 5826.501 | 5826.946 | 5827.412 | 5827.816 | 5828.043 | 5828.178 | 5828.292 |
| 34.0 | 5789.397 | 5789.624 | 5789.976 | 5790.349 | 5790.752 | 5791.166 | 5791.539 | 5791.818 | 5792.025 | 5792.212 |



CANDELA TABULATION - (Cont.)

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 34.5 | 5752.882 | 5753.120 | 5753.492 | 5753.896 | 5754.331 | 5754.776 | 5755.190 | 5755.480 | 5755.697 | 5755.883 |
| 35.0 | 5715.901 | 5716.129 | 5716.533 | 5716.957 | 5717.423 | 5717.909 | 5718.344 | 5718.634 | 5718.841 | 5719.006 |
| 35.5 | 5678.476 | 5678.662 | 5679.014 | 5679.386 | 5679.811 | 5680.256 | 5680.659 | 5680.918 | 5681.104 | 5681.270 |
| 36.0 | 5640.512 | 5640.657 | 5640.967 | 5641.298 | 5641.671 | 5642.075 | 5642.437 | 5642.644 | 5642.799 | 5642.934 |
| 36.5 | 5601.896 | 5602.072 | 5602.413 | 5602.776 | 5603.169 | 5603.583 | 5603.935 | 5604.080 | 5604.142 | 5604.194 |
| 37.0 | 5562.721 | 5562.939 | 5563.311 | 5563.704 | 5564.118 | 5564.563 | 5564.905 | 5564.988 | 5564.946 | 5564.915 |
| 37.5 | 5523.081 | 5523.298 | 5523.650 | 5524.012 | 5524.395 | 5524.799 | 5525.099 | 5525.140 | 5525.089 | 5525.026 |
| 38.0 | 5482.819 | 5483.047 | 5483.378 | 5483.709 | 5484.061 | 5484.423 | 5484.703 | 5484.734 | 5484.693 | 5484.651 |
| 38.5 | 5441.730 | 5441.978 | 5442.340 | 5442.713 | 5443.096 | 5443.510 | 5443.820 | 5443.903 | 5443.882 | 5443.872 |
| 39.0 | 5400.154 | 5400.402 | 5400.785 | 5401.189 | 5401.613 | 5402.048 | 5402.420 | 5402.555 | 5402.607 | 5402.658 |
| 39.5 | 5358.485 | 5358.723 | 5359.054 | 5359.395 | 5359.758 | 5360.141 | 5360.482 | 5360.731 | 5360.917 | 5361.103 |
| 40.0 | 5316.277 | 5316.495 | 5316.753 | 5317.023 | 5317.312 | 5317.612 | 5317.923 | 5318.254 | 5318.575 | 5318.886 |
| 40.5 | 5273.087 | 5273.304 | 5273.521 | 5273.770 | 5274.029 | 5274.298 | 5274.577 | 5274.908 | 5275.240 | 5275.560 |
| 41.0 | 5229.255 | 5229.462 | 5229.669 | 5229.886 | 5230.124 | 5230.362 | 5230.621 | 5230.931 | 5231.252 | 5231.563 |
| 41.5 | 5185.081 | 5185.246 | 5185.402 | 5185.588 | 5185.774 | 5185.981 | 5186.219 | 5186.581 | 5186.964 | 5187.337 |
| 42.0 | 5140.317 | 5140.441 | 5140.555 | 5140.690 | 5140.845 | 5141.000 | 5141.228 | 5141.611 | 5142.045 | 5142.459 |
| 42.5 | 5094.818 | 5094.922 | 5095.005 | 5095.108 | 5095.232 | 5095.357 | 5095.533 | 5095.833 | 5096.185 | 5096.526 |
| 43.0 | 5048.637 | 5048.719 | 5048.782 | 5048.844 | 5048.926 | 5048.999 | 5049.123 | 5049.361 | 5049.630 | 5049.899 |
| 43.5 | 5001.834 | 5001.855 | 5001.844 | 5001.834 | 5001.834 | 5001.844 | 5001.927 | 5002.186 | 5002.527 | 5002.859 |
| 44.0 | 4954.255 | 4954.234 | 4954.162 | 4954.110 | 4954.069 | 4954.038 | 4954.100 | 4954.400 | 4954.804 | 4955.197 |
| 44.5 | 4905.672 | 4905.682 | 4905.662 | 4905.672 | 4905.693 | 4905.724 | 4905.827 | 4906.096 | 4906.438 | 4906.790 |
| 45.0 | 4856.354 | 4856.416 | 4856.489 | 4856.582 | 4856.686 | 4856.810 | 4856.965 | 4857.182 | 4857.431 | 4857.679 |
| 45.5 | 4806.529 | 4806.623 | 4806.747 | 4806.892 | 4807.057 | 4807.223 | 4807.399 | 4807.564 | 4807.720 | 4807.885 |
| 46.0 | 4756.197 | 4756.311 | 4756.487 | 4756.674 | 4756.860 | 4757.077 | 4757.253 | 4757.336 | 4757.388 | 4757.460 |
| 46.5 | 4705.534 | 4705.689 | 4705.896 | 4706.103 | 4706.300 | 4706.507 | 4706.652 | 4706.631 | 4706.548 | 4706.476 |
| 47.0 | 4654.229 | 4654.436 | 4654.664 | 4654.881 | 4655.078 | 4655.275 | 4655.378 | 4655.264 | 4655.068 | 4654.892 |
| 47.5 | 4602.003 | 4602.231 | 4602.469 | 4602.686 | 4602.893 | 4603.080 | 4603.173 | 4603.059 | 4602.862 | 4602.676 |
| 48.0 | 4549.063 | 4549.301 | 4549.539 | 4549.767 | 4549.974 | 4550.160 | 4550.264 | 4550.170 | 4550.005 | 4549.839 |
| 48.5 | 4495.502 | 4495.729 | 4495.988 | 4496.226 | 4496.454 | 4496.671 | 4496.795 | 4496.692 | 4496.516 | 4496.330 |
| 49.0 | 4441.402 | 4441.609 | 4441.858 | 4442.106 | 4442.344 | 4442.582 | 4442.717 | 4442.624 | 4442.437 | 4442.261 |
| 49.5 | 4386.909 | 4387.065 | 4387.251 | 4387.437 | 4387.624 | 4387.810 | 4387.934 | 4387.882 | 4387.769 | 4387.665 |
| 50.0 | 4331.961 | 4332.075 | 4332.210 | 4332.365 | 4332.510 | 4332.655 | 4332.758 | 4332.758 | 4332.707 | 4332.655 |
| 50.5 | 4276.516 | 4276.682 | 4276.889 | 4277.096 | 4277.293 | 4277.479 | 4277.613 | 4277.593 | 4277.510 | 4277.417 |
| 51.0 | 4220.606 | 4220.844 | 4221.123 | 4221.403 | 4221.672 | 4221.920 | 4222.086 | 4222.024 | 4221.868 | 4221.703 |
| 51.5 | 4164.302 | 4164.550 | 4164.861 | 4165.150 | 4165.430 | 4165.699 | 4165.844 | 4165.740 | 4165.513 | 4165.275 |
| 52.0 | 4107.480 | 4107.729 | 4108.039 | 4108.329 | 4108.608 | 4108.867 | 4109.002 | 4108.836 | 4108.546 | 4108.246 |
| 52.5 | 4049.986 | 4050.265 | 4050.586 | 4050.897 | 4051.166 | 4051.425 | 4051.549 | 4051.352 | 4051.021 | 4050.669 |
| 53.0 | 3991.881 | 3992.160 | 3992.481 | 3992.792 | 3993.061 | 3993.309 | 3993.413 | 3993.206 | 3992.854 | 3992.492 |
| 53.5 | 3933.155 | 3933.393 | 3933.724 | 3934.045 | 3934.335 | 3934.625 | 3934.759 | 3934.563 | 3934.221 | 3933.859 |
| 54.0 | 3873.725 | 3873.881 | 3874.129 | 3874.367 | 3874.605 | 3874.833 | 3874.936 | 3874.750 | 3874.440 | 3874.119 |
| 54.5 | 3813.695 | 3813.675 | 3813.582 | 3813.457 | 3813.323 | 3813.157 | 3812.971 | 3812.743 | 3812.516 | 3812.309 |
| 55.0 | 3752.486 | 3752.310 | 3751.885 | 3751.440 | 3750.954 | 3750.426 | 3749.970 | 3749.712 | 3749.556 | 3749.443 |
| 55.5 | 3689.154 | 3688.947 | 3688.533 | 3688.088 | 3687.601 | 3687.094 | 3686.639 | 3686.390 | 3686.235 | 3686.111 |
| 56.0 | 3624.922 | 3624.756 | 3624.466 | 3624.166 | 3623.835 | 3623.493 | 3623.173 | 3622.955 | 3622.779 | 3622.634 |
| 56.5 | 3560.690 | 3560.597 | 3560.514 | 3560.431 | 3560.348 | 3560.265 | 3560.183 | 3560.038 | 3559.882 | 3559.758 |
| 57.0 | 3496.499 | 3496.478 | 3496.561 | 3496.665 | 3496.789 | 3496.944 | 3497.037 | 3496.965 | 3496.830 | 3496.716 |
| 57.5 | 3433.043 | 3432.991 | 3433.043 | 3433.116 | 3433.209 | 3433.323 | 3433.385 | 3433.271 | 3433.095 | 3432.950 |
| 58.0 | 3369.266 | 3369.184 | 3369.163 | 3369.142 | 3369.142 | 3369.163 | 3369.132 | 3368.946 | 3368.728 | 3368.573 |
| 58.5 | 3304.196 | 3304.144 | 3304.144 | 3304.134 | 3304.124 | 3304.144 | 3304.113 | 3303.917 | 3303.689 | 3303.523 |
| 59.0 | 3238.308 | 3238.298 | 3238.287 | 3238.266 | 3238.256 | 3238.256 | 3238.215 | 3238.018 | 3237.811 | 3237.677 |
| 59.5 | 3171.633 | 3171.571 | 3171.457 | 3171.354 | 3171.240 | 3171.136 | 3171.033 | 3170.878 | 3170.743 | 3170.691 |
| 60.0 | 3104.555 | 3104.410 | 3104.182 | 3103.944 | 3103.706 | 3103.478 | 3103.282 | 3103.158 | 3103.095 | 3103.116 |
| 60.5 | 3037.673 | 3037.466 | 3037.114 | 3036.742 | 3036.359 | 3035.965 | 3035.645 | 3035.500 | 3035.458 | 3035.489 |
| 61.0 | 2970.305 | 2970.088 | 2969.653 | 2969.208 | 2968.721 | 2968.225 | 2967.811 | 2967.614 | 2967.531 | 2967.500 |
| 61.5 | 2901.798 | 2901.664 | 2901.333 | 2900.981 | 2900.577 | 2900.153 | 2899.749 | 2899.439 | 2899.190 | 2898.994 |
| 62.0 | 2832.691 | 2832.660 | 2832.464 | 2832.226 | 2831.936 | 2831.615 | 2831.253 | 2830.859 | 2830.466 | 2830.125 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 62.5 | 2763.398 | 2763.398 | 2763.202 | 2762.974 | 2762.694 | 2762.363 | 2762.022 | 2761.690 | 2761.380 | 2761.111 |
| 63.0 | 2693.753 | 2693.743 | 2693.515 | 2693.256 | 2692.935 | 2692.583 | 2692.252 | 2692.004 | 2691.828 | 2691.693 |
| 63.5 | 2623.849 | 2623.818 | 2623.539 | 2623.238 | 2622.876 | 2622.483 | 2622.131 | 2621.934 | 2621.821 | 2621.748 |
| 64.0 | 2553.397 | 2553.293 | 2552.931 | 2552.548 | 2552.124 | 2551.668 | 2551.296 | 2551.151 | 2551.130 | 2551.151 |
| 64.5 | 2482.561 | 2482.282 | 2481.733 | 2481.195 | 2480.626 | 2480.036 | 2479.612 | 2479.580 | 2479.746 | 2479.974 |
| 65.0 | 2410.080 | 2409.635 | 2408.942 | 2408.259 | 2407.586 | 2406.923 | 2406.489 | 2406.613 | 2407.006 | 2407.472 |
| 65.5 | 2334.981 | 2334.556 | 2333.894 | 2333.283 | 2332.714 | 2332.155 | 2331.886 | 2332.279 | 2332.962 | 2333.708 |
| 66.0 | 2256.517 | 2256.134 | 2255.544 | 2255.017 | 2254.540 | 2254.095 | 2253.961 | 2254.530 | 2255.410 | 2256.331 |
| 66.5 | 2172.662 | 2172.206 | 2171.533 | 2170.902 | 2170.302 | 2169.722 | 2169.443 | 2169.857 | 2170.571 | 2171.337 |
| 67.0 | 2086.187 | 2085.711 | 2085.007 | 2084.324 | 2083.652 | 2082.989 | 2082.575 | 2082.772 | 2083.258 | 2083.796 |
| 67.5 | 1998.140 | 1997.860 | 1997.426 | 1997.012 | 1996.618 | 1996.225 | 1996.018 | 1996.225 | 1996.618 | 1997.053 |
| 68.0 | 1911.645 | 1911.583 | 1911.459 | 1911.365 | 1911.272 | 1911.200 | 1911.231 | 1911.479 | 1911.831 | 1912.204 |
| 68.5 | 1831.184 | 1831.256 | 1831.236 | 1831.215 | 1831.205 | 1831.174 | 1831.225 | 1831.474 | 1831.795 | 1832.105 |
| 69.0 | 1753.652 | 1753.828 | 1753.890 | 1753.942 | 1753.973 | 1753.983 | 1754.035 | 1754.263 | 1754.542 | 1754.770 |
| 69.5 | 1677.631 | 1677.880 | 1678.159 | 1678.428 | 1678.687 | 1678.925 | 1679.132 | 1679.308 | 1679.443 | 1679.494 |
| 70.0 | 1602.635 | 1602.956 | 1603.453 | 1603.929 | 1604.416 | 1604.892 | 1605.264 | 1605.399 | 1605.388 | 1605.285 |
| 70.5 | 1527.111 | 1527.598 | 1528.260 | 1528.902 | 1529.544 | 1530.165 | 1530.651 | 1530.827 | 1530.827 | 1530.713 |
| 71.0 | 1452.809 | 1453.326 | 1453.989 | 1454.620 | 1455.241 | 1455.831 | 1456.286 | 1456.462 | 1456.473 | 1456.369 |
| 71.5 | 1382.139 | 1382.242 | 1382.356 | 1382.449 | 1382.522 | 1382.574 | 1382.574 | 1382.512 | 1382.387 | 1382.232 |
| 72.0 | 1311.459 | 1311.210 | 1310.900 | 1310.569 | 1310.217 | 1309.844 | 1309.492 | 1309.192 | 1308.913 | 1308.675 |
| 72.5 | 1237.342 | 1237.467 | 1237.694 | 1237.891 | 1238.067 | 1238.253 | 1238.295 | 1238.005 | 1237.591 | 1237.198 |
| 73.0 | 1161.549 | 1162.077 | 1162.843 | 1163.588 | 1164.334 | 1165.079 | 1165.565 | 1165.369 | 1164.892 | 1164.427 |
| 73.5 | 1083.479 | 1083.717 | 1084.121 | 1084.525 | 1084.928 | 1085.353 | 1085.632 | 1085.487 | 1085.197 | 1084.918 |
| 74.0 | 1006.910 | 1006.755 | 1006.672 | 1006.589 | 1006.537 | 1006.506 | 1006.486 | 1006.413 | 1006.351 | 1006.320 |
| 74.5 | 936.189  | 935.961  | 935.826  | 935.723  | 935.671  | 935.661  | 935.692  | 935.743  | 935.826  | 935.950  |
| 75.0 | 869.069  | 868.841  | 868.758  | 868.696  | 868.707  | 868.769  | 868.872  | 869.027  | 869.214  | 869.431  |
| 75.5 | 805.747  | 805.530  | 805.344  | 805.178  | 805.044  | 804.951  | 804.940  | 805.075  | 805.302  | 805.561  |
| 76.0 | 743.213  | 742.995  | 742.706  | 742.405  | 742.116  | 741.836  | 741.671  | 741.753  | 741.971  | 742.230  |
| 76.5 | 676.766  | 676.528  | 676.155  | 675.772  | 675.379  | 674.986  | 674.706  | 674.727  | 674.872  | 675.048  |
| 77.0 | 611.613  | 611.374  | 610.981  | 610.598  | 610.184  | 609.760  | 609.439  | 609.418  | 609.511  | 609.594  |
| 77.5 | 552.431  | 552.286  | 552.028  | 551.769  | 551.489  | 551.210  | 551.013  | 551.065  | 551.210  | 551.355  |
| 78.0 | 496.055  | 496.044  | 496.003  | 495.962  | 495.931  | 495.889  | 495.879  | 495.982  | 496.117  | 496.251  |
| 78.5 | 440.010  | 440.185  | 440.548  | 440.889  | 441.252  | 441.624  | 441.883  | 441.810  | 441.603  | 441.407  |
| 79.0 | 386.883  | 387.193  | 387.804  | 388.415  | 389.025  | 389.667  | 390.060  | 389.822  | 389.315  | 388.818  |
| 79.5 | 339.211  | 339.408  | 339.718  | 340.008  | 340.277  | 340.546  | 340.670  | 340.422  | 340.029  | 339.635  |
| 80.0 | 294.623  | 294.675  | 294.613  | 294.530  | 294.395  | 294.219  | 294.033  | 293.847  | 293.661  | 293.464  |
| 80.5 | 250.801  | 250.832  | 250.739  | 250.615  | 250.449  | 250.253  | 250.066  | 249.963  | 249.880  | 249.787  |
| 81.0 | 210.188  | 210.271  | 210.312  | 210.343  | 210.343  | 210.333  | 210.302  | 210.271  | 210.219  | 210.157  |
| 81.5 | 174.667  | 174.925  | 175.391  | 175.857  | 176.333  | 176.819  | 177.161  | 177.109  | 176.892  | 176.654  |
| 82.0 | 143.596  | 143.989  | 144.786  | 145.583  | 146.421  | 147.312  | 147.933  | 147.860  | 147.498  | 147.115  |
| 82.5 | 117.297  | 117.555  | 118.083  | 118.621  | 119.170  | 119.760  | 120.174  | 120.132  | 119.915  | 119.667  |
| 83.0 | 94.754   | 94.837   | 94.982   | 95.127   | 95.272   | 95.417   | 95.520   | 95.520   | 95.479   | 95.406   |
| 83.5 | 75.193   | 75.203   | 75.213   | 75.224   | 75.234   | 75.234   | 75.234   | 75.203   | 75.162   | 75.110   |
| 84.0 | 58.291   | 58.260   | 58.229   | 58.188   | 58.146   | 58.105   | 58.053   | 57.991   | 57.919   | 57.856   |
| 84.5 | 43.222   | 43.180   | 43.118   | 43.066   | 43.004   | 42.942   | 42.890   | 42.859   | 42.839   | 42.818   |
| 85.0 | 30.781   | 30.739   | 30.688   | 30.636   | 30.584   | 30.532   | 30.501   | 30.512   | 30.543   | 30.564   |
| 85.5 | 21.694   | 21.642   | 21.590   | 21.538   | 21.487   | 21.445   | 21.424   | 21.445   | 21.497   | 21.538   |
| 86.0 | 15.421   | 15.370   | 15.318   | 15.277   | 15.246   | 15.214   | 15.194   | 15.225   | 15.277   | 15.318   |
| 86.5 | 12.151   | 12.141   | 12.120   | 12.109   | 12.099   | 12.099   | 12.099   | 12.109   | 12.141   | 12.161   |
| 87.0 | 10.412   | 10.422   | 10.433   | 10.453   | 10.464   | 10.474   | 10.485   | 10.485   | 10.485   | 10.485   |
| 87.5 | 8.570    | 8.570    | 8.559    | 8.549    | 8.539    | 8.528    | 8.528    | 8.518    | 8.508    | 8.497    |
| 88.0 | 7.266    | 7.235    | 7.204    | 7.173    | 7.141    | 7.110    | 7.079    | 7.069    | 7.059    | 7.048    |
| 88.5 | 6.655    | 6.634    | 6.614    | 6.603    | 6.583    | 6.572    | 6.552    | 6.541    | 6.541    | 6.531    |
| 89.0 | 6.479    | 6.479    | 6.479    | 6.479    | 6.479    | 6.489    | 6.489    | 6.489    | 6.479    | 6.479    |
| 89.5 | 6.489    | 6.489    | 6.500    | 6.500    | 6.510    | 6.520    | 6.520    | 6.520    | 6.520    | 6.520    |
| 90.0 | 6.779    | 6.779    | 6.779    | 6.779    | 6.779    | 6.779    | 6.779    | 6.769    | 6.769    | 6.769    |

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CANDELA TABULATION - (Cont.)

| Vert.<br>Angles | Horizontal Angles |              |              |              |              |              |              |              |              |              |
|-----------------|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                 | <u>250.0</u>      | <u>252.5</u> | <u>255.0</u> | <u>257.5</u> | <u>260.0</u> | <u>262.5</u> | <u>265.0</u> | <u>267.5</u> | <u>270.0</u> | <u>272.5</u> |
| 0.0             | 6999.280          | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     |
| 0.5             | 6999.032          | 6999.084     | 6999.115     | 6999.094     | 6999.073     | 6999.042     | 6999.001     | 6998.949     | 6998.908     | 6998.949     |
| 1.0             | 6998.308          | 6998.390     | 6998.442     | 6998.442     | 6998.421     | 6998.380     | 6998.328     | 6998.266     | 6998.183     | 6998.266     |
| 1.5             | 6997.107          | 6997.210     | 6997.304     | 6997.355     | 6997.386     | 6997.376     | 6997.355     | 6997.293     | 6997.179     | 6997.293     |
| 2.0             | 6995.410          | 6995.534     | 6995.648     | 6995.741     | 6995.813     | 6995.844     | 6995.844     | 6995.792     | 6995.668     | 6995.792     |
| 2.5             | 6993.184          | 6993.298     | 6993.402     | 6993.474     | 6993.526     | 6993.536     | 6993.515     | 6993.443     | 6993.298     | 6993.443     |
| 3.0             | 6990.462          | 6990.555     | 6990.628     | 6990.680     | 6990.700     | 6990.690     | 6990.638     | 6990.566     | 6990.421     | 6990.566     |
| 3.5             | 6987.264          | 6987.316     | 6987.368     | 6987.419     | 6987.461     | 6987.471     | 6987.450     | 6987.409     | 6987.285     | 6987.409     |
| 4.0             | 6983.579          | 6983.611     | 6983.642     | 6983.714     | 6983.786     | 6983.838     | 6983.849     | 6983.828     | 6983.745     | 6983.828     |
| 4.5             | 6979.388          | 6979.450     | 6979.522     | 6979.626     | 6979.719     | 6979.781     | 6979.812     | 6979.802     | 6979.698     | 6979.802     |
| 5.0             | 6974.730          | 6974.844     | 6974.958     | 6975.082     | 6975.196     | 6975.268     | 6975.299     | 6975.289     | 6975.175     | 6975.289     |
| 5.5             | 6969.648          | 6969.762     | 6969.876     | 6970.021     | 6970.145     | 6970.238     | 6970.269     | 6970.269     | 6970.156     | 6970.269     |
| 6.0             | 6964.153          | 6964.246     | 6964.349     | 6964.484     | 6964.618     | 6964.701     | 6964.742     | 6964.732     | 6964.598     | 6964.732     |
| 6.5             | 6958.294          | 6958.357     | 6958.429     | 6958.543     | 6958.646     | 6958.688     | 6958.677     | 6958.615     | 6958.419     | 6958.615     |
| 7.0             | 6951.950          | 6952.002     | 6952.053     | 6952.147     | 6952.219     | 6952.229     | 6952.178     | 6952.053     | 6951.795     | 6952.053     |
| 7.5             | 6945.015          | 6945.067     | 6945.129     | 6945.243     | 6945.336     | 6945.367     | 6945.326     | 6945.202     | 6944.922     | 6945.202     |
| 8.0             | 6937.605          | 6937.667     | 6937.750     | 6937.884     | 6938.008     | 6938.060     | 6938.039     | 6937.926     | 6937.646     | 6937.926     |
| 8.5             | 6929.822          | 6929.894     | 6929.977     | 6930.122     | 6930.256     | 6930.308     | 6930.277     | 6930.163     | 6929.863     | 6930.163     |
| 9.0             | 6921.573          | 6921.635     | 6921.707     | 6921.852     | 6921.987     | 6922.038     | 6921.997     | 6921.873     | 6921.552     | 6921.873     |
| 9.5             | 6912.744          | 6912.775     | 6912.817     | 6912.951     | 6913.075     | 6913.117     | 6913.075     | 6912.951     | 6912.620     | 6912.951     |
| 10.0            | 6903.419          | 6903.408     | 6903.429     | 6903.553     | 6903.667     | 6903.688     | 6903.626     | 6903.491     | 6903.129     | 6903.491     |
| 10.5            | 6893.607          | 6893.638     | 6893.679     | 6893.783     | 6893.866     | 6893.845     | 6893.721     | 6893.503     | 6893.048     | 6893.503     |
| 11.0            | 6883.278          | 6883.350     | 6883.423     | 6883.526     | 6883.588     | 6883.536     | 6883.360     | 6883.060     | 6882.501     | 6883.060     |
| 11.5            | 6872.410          | 6872.534     | 6872.638     | 6872.772     | 6872.845     | 6872.803     | 6872.627     | 6872.327     | 6871.748     | 6872.327     |
| 12.0            | 6860.932          | 6861.077     | 6861.211     | 6861.367     | 6861.470     | 6861.449     | 6861.294     | 6861.004     | 6860.425     | 6861.004     |
| 12.5            | 6848.688          | 6848.802     | 6848.916     | 6849.071     | 6849.185     | 6849.164     | 6849.009     | 6848.719     | 6848.129     | 6848.719     |
| 13.0            | 6835.864          | 6835.947     | 6836.030     | 6836.185     | 6836.289     | 6836.268     | 6836.102     | 6835.813     | 6835.202     | 6835.813     |
| 13.5            | 6822.678          | 6822.751     | 6822.834     | 6822.968     | 6823.051     | 6823.010     | 6822.823     | 6822.502     | 6821.861     | 6822.502     |
| 14.0            | 6808.913          | 6809.006     | 6809.089     | 6809.234     | 6809.337     | 6809.306     | 6809.110     | 6808.789     | 6808.137     | 6808.789     |
| 14.5            | 6794.413          | 6794.495     | 6794.620     | 6794.878     | 6795.106     | 6795.189     | 6795.116     | 6794.889     | 6794.299     | 6794.889     |
| 15.0            | 6779.281          | 6779.374     | 6779.540     | 6779.891     | 6780.254     | 6780.461     | 6780.502     | 6780.388     | 6779.850     | 6780.388     |
| 15.5            | 6763.642          | 6763.756     | 6763.921     | 6764.294     | 6764.656     | 6764.874     | 6764.915     | 6764.812     | 6764.294     | 6764.812     |
| 16.0            | 6747.351          | 6747.465     | 6747.631     | 6747.982     | 6748.334     | 6748.541     | 6748.572     | 6748.469     | 6747.962     | 6748.469     |
| 16.5            | 6730.222          | 6730.274     | 6730.408     | 6730.781     | 6731.164     | 6731.412     | 6731.505     | 6731.464     | 6731.029     | 6731.464     |
| 17.0            | 6712.523          | 6712.513     | 6712.616     | 6712.999     | 6713.434     | 6713.724     | 6713.879     | 6713.910     | 6713.527     | 6713.910     |
| 17.5            | 6694.525          | 6694.525     | 6694.628     | 6695.021     | 6695.467     | 6695.777     | 6695.943     | 6695.974     | 6695.601     | 6695.974     |
| 18.0            | 6675.998          | 6676.019     | 6676.143     | 6676.557     | 6677.012     | 6677.323     | 6677.489     | 6677.509     | 6677.116     | 6677.509     |
| 18.5            | 6656.747          | 6656.809     | 6656.965     | 6657.410     | 6657.886     | 6658.217     | 6658.382     | 6658.403     | 6657.979     | 6658.403     |
| 19.0            | 6636.917          | 6636.989     | 6637.175     | 6637.641     | 6638.138     | 6638.490     | 6638.666     | 6638.686     | 6638.241     | 6638.686     |
| 19.5            | 6616.589          | 6616.600     | 6616.724     | 6617.189     | 6617.707     | 6618.080     | 6618.287     | 6618.349     | 6617.945     | 6618.349     |
| 20.0            | 6595.734          | 6595.672     | 6595.755     | 6596.210     | 6596.738     | 6597.131     | 6597.359     | 6597.452     | 6597.079     | 6597.452     |
| 20.5            | 6574.372          | 6574.340     | 6574.434     | 6574.899     | 6575.427     | 6575.810     | 6576.017     | 6576.090     | 6575.686     | 6576.090     |
| 21.0            | 6552.440          | 6552.450     | 6552.574     | 6553.040     | 6553.547     | 6553.910     | 6554.096     | 6554.137     | 6553.692     | 6554.137     |
| 21.5            | 6529.835          | 6529.835     | 6529.949     | 6530.405     | 6530.891     | 6531.243     | 6531.409     | 6531.429     | 6530.974     | 6531.429     |
| 22.0            | 6506.662          | 6506.651     | 6506.745     | 6507.169     | 6507.645     | 6507.976     | 6508.121     | 6508.121     | 6507.645     | 6508.121     |
| 22.5            | 6483.012          | 6482.991     | 6483.095     | 6483.519     | 6483.975     | 6484.285     | 6484.409     | 6484.368     | 6483.850     | 6484.368     |
| 23.0            | 6458.793          | 6458.783     | 6458.876     | 6459.300     | 6459.745     | 6460.025     | 6460.118     | 6460.035     | 6459.455     | 6460.035     |
| 23.5            | 6433.901          | 6433.891     | 6433.984     | 6434.377     | 6434.802     | 6435.040     | 6435.092     | 6434.957     | 6434.295     | 6434.957     |
| 24.0            | 6408.523          | 6408.502     | 6408.575     | 6408.947     | 6409.341     | 6409.548     | 6409.548     | 6409.361     | 6408.637     | 6409.361     |
| 24.5            | 6382.886          | 6382.803     | 6382.824     | 6383.186     | 6383.569     | 6383.766     | 6383.745     | 6383.549     | 6382.793     | 6383.549     |
| 25.0            | 6356.773          | 6356.649     | 6356.628     | 6356.949     | 6357.311     | 6357.477     | 6357.425     | 6357.177     | 6356.380     | 6357.177     |
| 25.5            | 6330.018          | 6329.905     | 6329.873     | 6330.143     | 6330.401     | 6330.453     | 6330.267     | 6329.873     | 6328.932     | 6329.873     |
| 26.0            | 6302.736          | 6302.674     | 6302.653     | 6302.850     | 6303.015     | 6302.953     | 6302.643     | 6302.115     | 6301.038     | 6302.115     |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 26.5 | 6275.060 | 6275.008 | 6274.998 | 6275.194 | 6275.350 | 6275.277 | 6274.946 | 6274.377 | 6273.259 | 6274.377 |
| 27.0 | 6246.866 | 6246.835 | 6246.835 | 6247.053 | 6247.229 | 6247.167 | 6246.846 | 6246.297 | 6245.169 | 6246.297 |
| 27.5 | 6218.145 | 6218.093 | 6218.083 | 6218.332 | 6218.539 | 6218.507 | 6218.207 | 6217.659 | 6216.510 | 6217.659 |
| 28.0 | 6188.772 | 6188.720 | 6188.720 | 6188.989 | 6189.248 | 6189.238 | 6188.958 | 6188.430 | 6187.282 | 6188.430 |
| 28.5 | 6158.519 | 6158.529 | 6158.571 | 6158.881 | 6159.150 | 6159.181 | 6158.933 | 6158.446 | 6157.349 | 6158.446 |
| 29.0 | 6127.748 | 6127.821 | 6127.924 | 6128.245 | 6128.535 | 6128.587 | 6128.369 | 6127.924 | 6126.879 | 6127.924 |
| 29.5 | 6096.916 | 6096.957 | 6097.050 | 6097.381 | 6097.682 | 6097.744 | 6097.537 | 6097.092 | 6096.046 | 6097.092 |
| 30.0 | 6065.607 | 6065.617 | 6065.690 | 6066.031 | 6066.342 | 6066.414 | 6066.207 | 6065.752 | 6064.686 | 6065.752 |
| 30.5 | 6033.543 | 6033.584 | 6033.667 | 6034.008 | 6034.319 | 6034.391 | 6034.184 | 6033.739 | 6032.694 | 6033.739 |
| 31.0 | 6000.806 | 6000.878 | 6000.992 | 6001.344 | 6001.665 | 6001.737 | 6001.551 | 6001.116 | 6000.081 | 6001.116 |
| 31.5 | 5967.334 | 5967.437 | 5967.582 | 5967.975 | 5968.327 | 5968.441 | 5968.276 | 5967.872 | 5966.837 | 5967.872 |
| 32.0 | 5933.293 | 5933.386 | 5933.541 | 5933.976 | 5934.379 | 5934.535 | 5934.400 | 5934.017 | 5932.982 | 5934.017 |
| 32.5 | 5898.848 | 5898.858 | 5898.941 | 5899.386 | 5899.821 | 5900.007 | 5899.903 | 5899.562 | 5898.548 | 5899.562 |
| 33.0 | 5863.906 | 5863.834 | 5863.854 | 5864.289 | 5864.745 | 5864.931 | 5864.848 | 5864.496 | 5863.461 | 5864.496 |
| 33.5 | 5828.364 | 5828.333 | 5828.385 | 5828.809 | 5829.234 | 5829.379 | 5829.223 | 5828.778 | 5827.619 | 5828.778 |
| 34.0 | 5792.346 | 5792.367 | 5792.460 | 5792.884 | 5793.278 | 5793.371 | 5793.133 | 5792.595 | 5791.291 | 5792.595 |
| 34.5 | 5756.018 | 5756.038 | 5756.121 | 5756.535 | 5756.918 | 5756.980 | 5756.711 | 5756.132 | 5754.786 | 5756.132 |
| 35.0 | 5719.130 | 5719.130 | 5719.203 | 5719.627 | 5720.031 | 5720.124 | 5719.865 | 5719.296 | 5717.961 | 5719.296 |
| 35.5 | 5681.394 | 5681.415 | 5681.518 | 5682.036 | 5682.533 | 5682.719 | 5682.553 | 5682.077 | 5680.794 | 5682.077 |
| 36.0 | 5643.048 | 5643.058 | 5643.192 | 5643.813 | 5644.445 | 5644.766 | 5644.724 | 5644.372 | 5643.151 | 5644.372 |
| 36.5 | 5604.225 | 5604.152 | 5604.266 | 5604.980 | 5605.746 | 5606.191 | 5606.274 | 5606.046 | 5604.887 | 5606.046 |
| 37.0 | 5564.874 | 5564.729 | 5564.812 | 5565.598 | 5566.489 | 5567.047 | 5567.254 | 5567.130 | 5566.044 | 5567.130 |
| 37.5 | 5524.975 | 5524.830 | 5524.923 | 5525.761 | 5526.714 | 5527.345 | 5527.624 | 5527.593 | 5526.589 | 5527.593 |
| 38.0 | 5484.610 | 5484.486 | 5484.610 | 5485.479 | 5486.473 | 5487.135 | 5487.456 | 5487.477 | 5486.514 | 5487.477 |
| 38.5 | 5443.862 | 5443.758 | 5443.903 | 5444.804 | 5445.839 | 5446.522 | 5446.832 | 5446.822 | 5445.797 | 5446.822 |
| 39.0 | 5402.710 | 5402.658 | 5402.834 | 5403.756 | 5404.780 | 5405.432 | 5405.691 | 5405.598 | 5404.439 | 5405.598 |
| 39.5 | 5361.279 | 5361.341 | 5361.590 | 5362.480 | 5363.411 | 5363.949 | 5364.053 | 5363.784 | 5362.418 | 5363.784 |
| 40.0 | 5319.175 | 5319.341 | 5319.651 | 5320.510 | 5321.359 | 5321.794 | 5321.763 | 5321.318 | 5319.765 | 5321.318 |
| 40.5 | 5275.861 | 5276.037 | 5276.368 | 5277.258 | 5278.138 | 5278.593 | 5278.572 | 5278.117 | 5276.523 | 5278.117 |
| 41.0 | 5231.863 | 5232.039 | 5232.370 | 5233.281 | 5234.191 | 5234.668 | 5234.657 | 5234.202 | 5232.577 | 5234.202 |
| 41.5 | 5187.679 | 5187.906 | 5188.237 | 5189.086 | 5189.893 | 5190.245 | 5190.090 | 5189.469 | 5187.679 | 5189.469 |
| 42.0 | 5142.832 | 5143.080 | 5143.422 | 5144.229 | 5144.954 | 5145.213 | 5144.954 | 5144.209 | 5142.273 | 5144.209 |
| 42.5 | 5096.847 | 5097.044 | 5097.385 | 5098.286 | 5099.155 | 5099.559 | 5099.424 | 5098.813 | 5096.950 | 5098.813 |
| 43.0 | 5050.168 | 5050.324 | 5050.665 | 5051.680 | 5052.715 | 5053.273 | 5053.284 | 5052.828 | 5051.059 | 5052.828 |
| 43.5 | 5003.200 | 5003.418 | 5003.811 | 5004.846 | 5005.870 | 5006.398 | 5006.388 | 5005.881 | 5004.049 | 5005.881 |
| 44.0 | 4955.601 | 4955.890 | 4956.325 | 4957.339 | 4958.312 | 4958.799 | 4958.726 | 4958.167 | 4956.304 | 4958.167 |
| 44.5 | 4907.131 | 4907.370 | 4907.763 | 4908.756 | 4909.729 | 4910.247 | 4910.236 | 4909.680 | 4908.032 | 4909.760 |
| 45.0 | 4857.938 | 4858.083 | 4858.414 | 4859.387 | 4860.381 | 4860.950 | 4861.033 | 4860.681 | 4859.139 | 4860.681 |
| 45.5 | 4808.051 | 4808.123 | 4808.403 | 4809.396 | 4810.452 | 4811.073 | 4811.239 | 4810.990 | 4809.541 | 4810.990 |
| 46.0 | 4757.533 | 4757.502 | 4757.729 | 4758.744 | 4759.841 | 4760.534 | 4760.782 | 4760.627 | 4759.282 | 4760.627 |
| 46.5 | 4706.424 | 4706.279 | 4706.414 | 4707.397 | 4708.525 | 4709.281 | 4709.622 | 4709.612 | 4708.463 | 4709.612 |
| 47.0 | 4654.726 | 4654.488 | 4654.540 | 4655.471 | 4656.568 | 4657.324 | 4657.717 | 4657.800 | 4656.817 | 4657.800 |
| 47.5 | 4602.490 | 4602.231 | 4602.231 | 4603.017 | 4603.959 | 4604.580 | 4604.860 | 4604.849 | 4603.845 | 4604.849 |
| 48.0 | 4549.663 | 4549.404 | 4549.384 | 4550.057 | 4550.853 | 4551.350 | 4551.516 | 4551.402 | 4550.377 | 4551.402 |
| 48.5 | 4496.154 | 4495.905 | 4495.895 | 4496.599 | 4497.447 | 4498.006 | 4498.265 | 4498.265 | 4497.406 | 4498.265 |
| 49.0 | 4442.096 | 4441.868 | 4441.889 | 4442.634 | 4443.534 | 4444.176 | 4444.528 | 4444.631 | 4443.897 | 4444.631 |
| 49.5 | 4387.572 | 4387.406 | 4387.458 | 4388.151 | 4388.969 | 4389.507 | 4389.745 | 4389.735 | 4388.886 | 4389.735 |
| 50.0 | 4332.603 | 4332.479 | 4332.531 | 4333.162 | 4333.866 | 4334.280 | 4334.373 | 4334.187 | 4333.152 | 4334.187 |
| 50.5 | 4277.313 | 4277.117 | 4277.096 | 4277.686 | 4278.338 | 4278.690 | 4278.700 | 4278.410 | 4277.231 | 4278.410 |
| 51.0 | 4221.506 | 4221.216 | 4221.123 | 4221.692 | 4222.355 | 4222.676 | 4222.645 | 4222.303 | 4220.999 | 4222.303 |
| 51.5 | 4165.016 | 4164.654 | 4164.529 | 4165.171 | 4165.916 | 4166.320 | 4166.341 | 4166.040 | 4164.705 | 4166.040 |
| 52.0 | 4107.936 | 4107.511 | 4107.366 | 4108.091 | 4108.960 | 4109.457 | 4109.540 | 4109.281 | 4107.894 | 4109.281 |
| 52.5 | 4050.317 | 4049.841 | 4049.665 | 4050.441 | 4051.373 | 4051.890 | 4051.963 | 4051.652 | 4050.110 | 4051.652 |
| 53.0 | 3992.109 | 3991.591 | 3991.405 | 3992.233 | 3993.227 | 3993.765 | 3993.816 | 3993.444 | 3991.726 | 3993.444 |
| 53.5 | 3933.486 | 3932.979 | 3932.803 | 3933.704 | 3934.759 | 3935.339 | 3935.401 | 3934.997 | 3933.165 | 3934.997 |
| 54.0 | 3873.808 | 3873.342 | 3873.239 | 3874.243 | 3875.423 | 3876.085 | 3876.178 | 3875.795 | 3873.891 | 3875.795 |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 54.5 | 3812.133 | 3811.843 | 3811.936 | 3813.219 | 3814.668 | 3815.548 | 3815.807 | 3815.517 | 3813.530 | 3815.517 |
| 55.0 | 3749.391 | 3749.256 | 3749.525 | 3751.016 | 3752.682 | 3753.738 | 3754.121 | 3753.914 | 3751.875 | 3753.914 |
| 55.5 | 3686.059 | 3685.894 | 3686.132 | 3687.529 | 3689.081 | 3690.034 | 3690.334 | 3690.054 | 3688.005 | 3690.054 |
| 56.0 | 3622.521 | 3622.314 | 3622.458 | 3623.669 | 3625.015 | 3625.812 | 3625.988 | 3625.636 | 3623.638 | 3625.636 |
| 56.5 | 3559.644 | 3559.427 | 3559.520 | 3560.565 | 3561.725 | 3562.408 | 3562.553 | 3562.221 | 3560.472 | 3562.221 |
| 57.0 | 3496.602 | 3496.395 | 3496.478 | 3497.441 | 3498.538 | 3499.200 | 3499.407 | 3499.200 | 3497.741 | 3499.200 |
| 57.5 | 3432.846 | 3432.660 | 3432.826 | 3433.995 | 3435.341 | 3436.262 | 3436.728 | 3436.800 | 3435.548 | 3436.800 |
| 58.0 | 3368.480 | 3368.314 | 3368.573 | 3370.012 | 3371.678 | 3372.910 | 3373.665 | 3374.007 | 3372.920 | 3374.007 |
| 58.5 | 3303.440 | 3303.285 | 3303.596 | 3305.179 | 3307.022 | 3308.419 | 3309.309 | 3309.785 | 3308.760 | 3309.785 |
| 59.0 | 3237.614 | 3237.501 | 3237.852 | 3239.529 | 3241.465 | 3242.945 | 3243.918 | 3244.456 | 3243.441 | 3244.456 |
| 59.5 | 3170.722 | 3170.712 | 3171.157 | 3172.865 | 3174.842 | 3176.363 | 3177.357 | 3177.926 | 3176.953 | 3177.926 |
| 60.0 | 3103.230 | 3103.302 | 3103.810 | 3105.497 | 3107.422 | 3108.881 | 3109.833 | 3110.351 | 3109.357 | 3110.351 |
| 60.5 | 3035.603 | 3035.665 | 3036.121 | 3037.663 | 3039.391 | 3040.644 | 3041.378 | 3041.668 | 3040.468 | 3041.668 |
| 61.0 | 2967.562 | 2967.552 | 2967.904 | 2969.270 | 2970.781 | 2971.837 | 2972.365 | 2972.437 | 2971.050 | 2972.437 |
| 61.5 | 2898.859 | 2898.673 | 2898.869 | 2900.122 | 2901.571 | 2902.585 | 2903.113 | 2903.216 | 2901.912 | 2903.216 |
| 62.0 | 2829.845 | 2829.514 | 2829.576 | 2830.766 | 2832.174 | 2833.188 | 2833.747 | 2833.944 | 2832.795 | 2833.944 |
| 62.5 | 2760.893 | 2760.635 | 2760.738 | 2761.856 | 2763.181 | 2764.123 | 2764.661 | 2764.847 | 2763.802 | 2764.847 |
| 63.0 | 2691.611 | 2691.497 | 2691.693 | 2692.770 | 2694.022 | 2694.923 | 2695.430 | 2695.606 | 2694.643 | 2695.606 |
| 63.5 | 2621.748 | 2621.707 | 2621.976 | 2623.073 | 2624.325 | 2625.246 | 2625.785 | 2626.002 | 2625.112 | 2626.002 |
| 64.0 | 2551.265 | 2551.347 | 2551.710 | 2552.869 | 2554.163 | 2555.115 | 2555.705 | 2555.974 | 2555.167 | 2555.974 |
| 64.5 | 2480.305 | 2480.636 | 2481.216 | 2482.478 | 2483.845 | 2484.900 | 2485.573 | 2485.946 | 2485.273 | 2485.946 |
| 65.0 | 2408.052 | 2408.642 | 2409.439 | 2410.794 | 2412.192 | 2413.268 | 2413.961 | 2414.324 | 2413.672 | 2414.324 |
| 65.5 | 2334.536 | 2335.333 | 2336.264 | 2337.558 | 2338.810 | 2339.669 | 2340.073 | 2340.083 | 2339.007 | 2340.083 |
| 66.0 | 2257.304 | 2258.215 | 2259.188 | 2260.440 | 2261.547 | 2262.220 | 2262.355 | 2262.023 | 2260.523 | 2262.023 |
| 66.5 | 2172.175 | 2172.962 | 2173.873 | 2175.239 | 2176.522 | 2177.319 | 2177.567 | 2177.309 | 2175.746 | 2177.309 |
| 67.0 | 2084.417 | 2084.997 | 2085.784 | 2087.222 | 2088.640 | 2089.582 | 2089.975 | 2089.862 | 2088.371 | 2089.862 |
| 67.5 | 1997.550 | 1997.985 | 1998.616 | 1999.858 | 2001.110 | 2001.918 | 2002.228 | 2002.094 | 2000.707 | 2002.094 |
| 68.0 | 1912.587 | 1912.887 | 1913.342 | 1914.305 | 1915.257 | 1915.826 | 1915.940 | 1915.671 | 1914.326 | 1915.671 |
| 68.5 | 1832.405 | 1832.602 | 1832.881 | 1833.565 | 1834.186 | 1834.424 | 1834.237 | 1833.658 | 1832.095 | 1833.658 |
| 69.0 | 1754.967 | 1755.029 | 1755.132 | 1755.526 | 1755.836 | 1755.753 | 1755.236 | 1754.315 | 1752.452 | 1754.315 |
| 69.5 | 1679.474 | 1679.308 | 1679.153 | 1679.308 | 1679.370 | 1679.039 | 1678.263 | 1677.104 | 1675.013 | 1677.104 |
| 70.0 | 1605.078 | 1604.685 | 1604.322 | 1604.333 | 1604.250 | 1603.753 | 1602.801 | 1601.424 | 1599.085 | 1601.424 |
| 70.5 | 1530.475 | 1529.999 | 1529.564 | 1529.585 | 1529.523 | 1528.943 | 1527.815 | 1526.180 | 1523.375 | 1526.180 |
| 71.0 | 1456.141 | 1455.655 | 1455.262 | 1455.479 | 1455.614 | 1455.158 | 1454.061 | 1452.374 | 1449.269 | 1452.374 |
| 71.5 | 1382.025 | 1381.632 | 1381.466 | 1382.160 | 1382.874 | 1382.998 | 1382.449 | 1381.311 | 1378.579 | 1381.311 |
| 72.0 | 1308.457 | 1308.126 | 1308.168 | 1309.347 | 1310.662 | 1311.386 | 1311.469 | 1310.983 | 1308.768 | 1310.983 |
| 72.5 | 1236.825 | 1236.307 | 1236.256 | 1237.601 | 1239.185 | 1240.189 | 1240.561 | 1240.385 | 1238.409 | 1240.385 |
| 73.0 | 1163.940 | 1163.299 | 1163.143 | 1164.499 | 1166.155 | 1167.252 | 1167.749 | 1167.718 | 1165.948 | 1167.718 |
| 73.5 | 1084.649 | 1084.256 | 1084.266 | 1085.498 | 1086.957 | 1087.930 | 1088.385 | 1088.385 | 1086.885 | 1088.385 |
| 74.0 | 1006.330 | 1006.258 | 1006.486 | 1007.572 | 1008.783 | 1009.591 | 1009.943 | 1009.891 | 1008.587 | 1009.891 |
| 74.5 | 936.106  | 936.178  | 936.499  | 937.586  | 938.766  | 939.521  | 939.801  | 939.666  | 938.290  | 939.666  |
| 75.0 | 869.679  | 869.835  | 870.228  | 871.366  | 872.546  | 873.302  | 873.550  | 873.374  | 871.925  | 873.374  |
| 75.5 | 805.872  | 806.120  | 806.596  | 807.766  | 808.997  | 809.825  | 810.219  | 810.219  | 809.049  | 810.219  |
| 76.0 | 742.540  | 742.819  | 743.316  | 744.455  | 745.666  | 746.514  | 746.949  | 747.022  | 746.007  | 747.022  |
| 76.5 | 675.244  | 675.379  | 675.689  | 676.642  | 677.604  | 678.132  | 678.153  | 677.739  | 676.083  | 677.739  |
| 77.0 | 609.687  | 609.656  | 609.791  | 610.546  | 611.271  | 611.478  | 611.116  | 610.236  | 607.980  | 610.236  |
| 77.5 | 551.489  | 551.531  | 551.707  | 552.442  | 553.135  | 553.383  | 553.104  | 552.369  | 550.413  | 552.369  |
| 78.0 | 496.396  | 496.448  | 496.645  | 497.400  | 498.156  | 498.539  | 498.508  | 498.094  | 496.645  | 498.094  |
| 78.5 | 441.200  | 440.900  | 440.848  | 441.593  | 442.473  | 443.021  | 443.208  | 443.083  | 441.955  | 443.083  |
| 79.0 | 388.291  | 387.670  | 387.380  | 388.073  | 388.994  | 389.626  | 389.936  | 389.978  | 389.046  | 389.978  |
| 79.5 | 339.221  | 338.724  | 338.476  | 339.004  | 339.687  | 340.080  | 340.184  | 340.018  | 338.973  | 340.018  |
| 80.0 | 293.257  | 292.988  | 292.853  | 293.195  | 293.578  | 293.702  | 293.536  | 293.102  | 291.932  | 293.102  |
| 80.5 | 249.683  | 249.518  | 249.425  | 249.632  | 249.839  | 249.818  | 249.559  | 249.073  | 247.996  | 249.073  |
| 81.0 | 210.064  | 209.919  | 209.815  | 209.950  | 210.074  | 210.022  | 209.774  | 209.360  | 208.501  | 209.360  |
| 81.5 | 176.385  | 176.053  | 175.836  | 176.012  | 176.271  | 176.405  | 176.405  | 176.292  | 175.805  | 176.292  |
| 82.0 | 146.691  | 146.194  | 145.873  | 146.090  | 146.473  | 146.753  | 146.939  | 147.063  | 146.835  | 147.063  |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |         |         |         |         |         |         |         |         |         |         |
|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 82.5 | 119.377 | 119.015 | 118.756 | 118.849 | 119.025 | 119.077 | 119.025 | 118.880 | 118.404 | 118.880 |
| 83.0 | 95.303  | 95.137  | 94.982  | 94.972  | 94.930  | 94.765  | 94.454  | 94.009  | 93.274  | 94.009  |
| 83.5 | 75.048  | 74.944  | 74.872  | 74.944  | 75.006  | 74.965  | 74.820  | 74.572  | 74.054  | 74.572  |
| 84.0 | 57.805  | 57.743  | 57.743  | 57.919  | 58.126  | 58.260  | 58.322  | 58.322  | 58.095  | 58.322  |
| 84.5 | 42.818  | 42.797  | 42.828  | 42.994  | 43.191  | 43.315  | 43.366  | 43.346  | 43.118  | 43.346  |
| 85.0 | 30.595  | 30.615  | 30.657  | 30.791  | 30.936  | 30.998  | 30.978  | 30.884  | 30.595  | 30.884  |
| 85.5 | 21.580  | 21.621  | 21.663  | 21.745  | 21.818  | 21.828  | 21.787  | 21.683  | 21.445  | 21.683  |
| 86.0 | 15.359  | 15.401  | 15.432  | 15.463  | 15.484  | 15.463  | 15.411  | 15.318  | 15.152  | 15.318  |
| 86.5 | 12.182  | 12.203  | 12.213  | 12.254  | 12.275  | 12.285  | 12.254  | 12.203  | 12.099  | 12.203  |
| 87.0 | 10.485  | 10.474  | 10.485  | 10.526  | 10.578  | 10.609  | 10.609  | 10.598  | 10.536  | 10.598  |
| 87.5 | 8.497   | 8.487   | 8.487   | 8.528   | 8.570   | 8.590   | 8.601   | 8.601   | 8.539   | 8.601   |
| 88.0 | 7.048   | 7.038   | 7.038   | 7.069   | 7.100   | 7.121   | 7.121   | 7.100   | 7.048   | 7.100   |
| 88.5 | 6.531   | 6.520   | 6.520   | 6.541   | 6.562   | 6.583   | 6.583   | 6.572   | 6.531   | 6.572   |
| 89.0 | 6.479   | 6.469   | 6.469   | 6.489   | 6.500   | 6.510   | 6.520   | 6.510   | 6.479   | 6.510   |
| 89.5 | 6.510   | 6.510   | 6.510   | 6.520   | 6.541   | 6.552   | 6.562   | 6.552   | 6.520   | 6.552   |
| 90.0 | 6.769   | 6.759   | 6.769   | 6.790   | 6.810   | 6.821   | 6.821   | 6.821   | 6.790   | 6.821   |

**Vert.  
Angles**

**Horizontal Angles**

|      | <u>275.0</u> | <u>277.5</u> | <u>280.0</u> | <u>282.5</u> | <u>285.0</u> | <u>287.5</u> | <u>290.0</u> | <u>292.5</u> | <u>295.0</u> | <u>297.5</u> |
|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0  | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     |
| 0.5  | 6999.001     | 6999.042     | 6999.073     | 6999.094     | 6999.115     | 6999.084     | 6999.032     | 6998.991     | 6998.949     | 6998.908     |
| 1.0  | 6998.328     | 6998.380     | 6998.421     | 6998.442     | 6998.442     | 6998.390     | 6998.308     | 6998.235     | 6998.152     | 6998.080     |
| 1.5  | 6997.355     | 6997.376     | 6997.386     | 6997.355     | 6997.304     | 6997.210     | 6997.107     | 6997.003     | 6996.900     | 6996.796     |
| 2.0  | 6995.844     | 6995.844     | 6995.813     | 6995.741     | 6995.648     | 6995.534     | 6995.410     | 6995.285     | 6995.161     | 6995.047     |
| 2.5  | 6993.515     | 6993.536     | 6993.526     | 6993.474     | 6993.402     | 6993.298     | 6993.184     | 6993.070     | 6992.957     | 6992.843     |
| 3.0  | 6990.638     | 6990.690     | 6990.700     | 6990.680     | 6990.628     | 6990.555     | 6990.462     | 6990.369     | 6990.276     | 6990.172     |
| 3.5  | 6987.450     | 6987.471     | 6987.461     | 6987.419     | 6987.368     | 6987.316     | 6987.264     | 6987.212     | 6987.150     | 6987.098     |
| 4.0  | 6983.849     | 6983.838     | 6983.786     | 6983.714     | 6983.642     | 6983.611     | 6983.579     | 6983.548     | 6983.528     | 6983.497     |
| 4.5  | 6979.812     | 6979.781     | 6979.719     | 6979.626     | 6979.522     | 6979.450     | 6979.388     | 6979.326     | 6979.264     | 6979.212     |
| 5.0  | 6975.299     | 6975.268     | 6975.196     | 6975.082     | 6974.958     | 6974.844     | 6974.730     | 6974.627     | 6974.523     | 6974.440     |
| 5.5  | 6970.269     | 6970.238     | 6970.145     | 6970.021     | 6969.876     | 6969.762     | 6969.648     | 6969.545     | 6969.462     | 6969.379     |
| 6.0  | 6964.742     | 6964.701     | 6964.618     | 6964.484     | 6964.349     | 6964.246     | 6964.153     | 6964.070     | 6963.987     | 6963.925     |
| 6.5  | 6958.677     | 6958.688     | 6958.646     | 6958.543     | 6958.429     | 6958.357     | 6958.294     | 6958.222     | 6958.150     | 6958.077     |
| 7.0  | 6952.178     | 6952.229     | 6952.219     | 6952.147     | 6952.053     | 6952.002     | 6951.950     | 6951.888     | 6951.826     | 6951.753     |
| 7.5  | 6945.326     | 6945.367     | 6945.336     | 6945.243     | 6945.129     | 6945.067     | 6945.015     | 6944.943     | 6944.870     | 6944.788     |
| 8.0  | 6938.039     | 6938.060     | 6938.008     | 6937.884     | 6937.750     | 6937.667     | 6937.605     | 6937.522     | 6937.429     | 6937.346     |
| 8.5  | 6930.277     | 6930.308     | 6930.256     | 6930.122     | 6929.977     | 6929.894     | 6929.822     | 6929.739     | 6929.646     | 6929.552     |
| 9.0  | 6921.997     | 6922.038     | 6921.987     | 6921.852     | 6921.707     | 6921.635     | 6921.573     | 6921.490     | 6921.407     | 6921.314     |
| 9.5  | 6913.075     | 6913.117     | 6913.075     | 6912.951     | 6912.817     | 6912.775     | 6912.744     | 6912.703     | 6912.651     | 6912.599     |
| 10.0 | 6903.626     | 6903.688     | 6903.667     | 6903.553     | 6903.429     | 6903.408     | 6903.419     | 6903.388     | 6903.367     | 6903.326     |
| 10.5 | 6893.721     | 6893.845     | 6893.866     | 6893.783     | 6893.679     | 6893.638     | 6893.607     | 6893.555     | 6893.483     | 6893.410     |
| 11.0 | 6883.360     | 6883.536     | 6883.588     | 6883.526     | 6883.423     | 6883.350     | 6883.278     | 6883.174     | 6883.050     | 6882.915     |
| 11.5 | 6872.627     | 6872.803     | 6872.845     | 6872.772     | 6872.638     | 6872.534     | 6872.410     | 6872.265     | 6872.110     | 6871.934     |
| 12.0 | 6861.294     | 6861.449     | 6861.470     | 6861.367     | 6861.211     | 6861.077     | 6860.932     | 6860.756     | 6860.580     | 6860.404     |
| 12.5 | 6849.009     | 6849.164     | 6849.185     | 6849.071     | 6848.916     | 6848.802     | 6848.688     | 6848.543     | 6848.398     | 6848.253     |
| 13.0 | 6836.102     | 6836.268     | 6836.289     | 6836.185     | 6836.030     | 6835.947     | 6835.864     | 6835.761     | 6835.647     | 6835.543     |
| 13.5 | 6822.823     | 6823.010     | 6823.051     | 6822.968     | 6822.834     | 6822.751     | 6822.678     | 6822.565     | 6822.440     | 6822.316     |
| 14.0 | 6809.110     | 6809.306     | 6809.337     | 6809.234     | 6809.089     | 6809.006     | 6808.913     | 6808.789     | 6808.654     | 6808.499     |
| 14.5 | 6795.116     | 6795.189     | 6795.106     | 6794.878     | 6794.620     | 6794.495     | 6794.413     | 6794.278     | 6794.143     | 6794.009     |
| 15.0 | 6780.502     | 6780.461     | 6780.254     | 6779.891     | 6779.540     | 6779.374     | 6779.281     | 6779.146     | 6779.022     | 6778.908     |
| 15.5 | 6764.915     | 6764.874     | 6764.656     | 6764.294     | 6763.921     | 6763.756     | 6763.642     | 6763.497     | 6763.363     | 6763.228     |
| 16.0 | 6748.572     | 6748.541     | 6748.334     | 6747.982     | 6747.631     | 6747.465     | 6747.351     | 6747.206     | 6747.072     | 6746.937     |
| 16.5 | 6731.505     | 6731.412     | 6731.164     | 6730.781     | 6730.408     | 6730.274     | 6730.222     | 6730.139     | 6730.056     | 6729.994     |
| 17.0 | 6713.879     | 6713.724     | 6713.434     | 6712.999     | 6712.616     | 6712.513     | 6712.523     | 6712.492     | 6712.482     | 6712.472     |
| 17.5 | 6695.943     | 6695.777     | 6695.467     | 6695.021     | 6694.628     | 6694.525     | 6694.525     | 6694.494     | 6694.483     | 6694.483     |

CANDELA TABULATION - (Cont.)

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 18.0 | 6677.489 | 6677.323 | 6677.012 | 6676.557 | 6676.143 | 6676.019 | 6675.998 | 6675.946 | 6675.915 | 6675.905 |
| 18.5 | 6658.382 | 6658.217 | 6657.886 | 6657.410 | 6656.965 | 6656.809 | 6656.747 | 6656.664 | 6656.592 | 6656.540 |
| 19.0 | 6638.666 | 6638.490 | 6638.138 | 6637.641 | 6637.175 | 6636.989 | 6636.917 | 6636.813 | 6636.730 | 6636.668 |
| 19.5 | 6618.287 | 6618.080 | 6617.707 | 6617.189 | 6616.724 | 6616.600 | 6616.589 | 6616.558 | 6616.548 | 6616.558 |
| 20.0 | 6597.359 | 6597.131 | 6596.738 | 6596.210 | 6595.755 | 6595.672 | 6595.734 | 6595.775 | 6595.837 | 6595.920 |
| 20.5 | 6576.017 | 6575.810 | 6575.427 | 6574.899 | 6574.434 | 6574.340 | 6574.372 | 6574.382 | 6574.423 | 6574.475 |
| 21.0 | 6554.096 | 6553.910 | 6553.547 | 6553.040 | 6552.574 | 6552.450 | 6552.440 | 6552.409 | 6552.398 | 6552.409 |
| 21.5 | 6531.409 | 6531.243 | 6530.891 | 6530.405 | 6529.949 | 6529.835 | 6529.835 | 6529.815 | 6529.815 | 6529.835 |
| 22.0 | 6508.121 | 6507.976 | 6507.645 | 6507.169 | 6506.745 | 6506.651 | 6506.662 | 6506.651 | 6506.672 | 6506.693 |
| 22.5 | 6484.409 | 6484.285 | 6483.975 | 6483.519 | 6483.095 | 6482.991 | 6483.012 | 6482.991 | 6482.991 | 6483.012 |
| 23.0 | 6460.118 | 6460.025 | 6459.745 | 6459.300 | 6458.876 | 6458.783 | 6458.793 | 6458.762 | 6458.752 | 6458.752 |
| 23.5 | 6435.092 | 6435.040 | 6434.802 | 6434.377 | 6433.984 | 6433.891 | 6433.901 | 6433.870 | 6433.860 | 6433.850 |
| 24.0 | 6409.548 | 6409.548 | 6409.341 | 6408.947 | 6408.575 | 6408.502 | 6408.523 | 6408.502 | 6408.502 | 6408.502 |
| 24.5 | 6383.745 | 6383.766 | 6383.569 | 6383.186 | 6382.824 | 6382.803 | 6382.886 | 6382.917 | 6382.959 | 6382.990 |
| 25.0 | 6357.425 | 6357.477 | 6357.311 | 6356.949 | 6356.628 | 6356.649 | 6356.773 | 6356.846 | 6356.918 | 6356.980 |
| 25.5 | 6330.267 | 6330.453 | 6330.401 | 6330.143 | 6329.873 | 6329.905 | 6330.018 | 6330.049 | 6330.080 | 6330.080 |
| 26.0 | 6302.643 | 6302.953 | 6303.015 | 6302.850 | 6302.653 | 6302.674 | 6302.736 | 6302.725 | 6302.694 | 6302.622 |
| 26.5 | 6274.946 | 6275.277 | 6275.350 | 6275.194 | 6274.998 | 6275.008 | 6275.060 | 6275.018 | 6274.946 | 6274.853 |
| 27.0 | 6246.846 | 6247.167 | 6247.229 | 6247.053 | 6246.835 | 6246.835 | 6246.866 | 6246.815 | 6246.732 | 6246.608 |
| 27.5 | 6218.207 | 6218.507 | 6218.539 | 6218.332 | 6218.083 | 6218.093 | 6218.145 | 6218.104 | 6218.021 | 6217.897 |
| 28.0 | 6188.958 | 6189.238 | 6189.248 | 6188.989 | 6188.720 | 6188.720 | 6188.772 | 6188.731 | 6188.648 | 6188.534 |
| 28.5 | 6158.933 | 6159.181 | 6159.150 | 6158.881 | 6158.571 | 6158.529 | 6158.519 | 6158.426 | 6158.291 | 6158.136 |
| 29.0 | 6128.369 | 6128.587 | 6128.535 | 6128.245 | 6127.924 | 6127.821 | 6127.748 | 6127.603 | 6127.438 | 6127.231 |
| 29.5 | 6097.537 | 6097.744 | 6097.682 | 6097.381 | 6097.050 | 6096.957 | 6096.916 | 6096.781 | 6096.626 | 6096.429 |
| 30.0 | 6066.207 | 6066.414 | 6066.342 | 6066.031 | 6065.690 | 6065.617 | 6065.607 | 6065.493 | 6065.348 | 6065.172 |
| 30.5 | 6034.184 | 6034.391 | 6034.319 | 6034.008 | 6033.667 | 6033.584 | 6033.543 | 6033.408 | 6033.243 | 6033.046 |
| 31.0 | 6001.551 | 6001.737 | 6001.665 | 6001.344 | 6000.992 | 6000.878 | 6000.806 | 6000.650 | 6000.454 | 6000.226 |
| 31.5 | 5968.276 | 5968.441 | 5968.327 | 5967.975 | 5967.582 | 5967.437 | 5967.334 | 5967.147 | 5966.930 | 5966.692 |
| 32.0 | 5934.400 | 5934.535 | 5934.379 | 5933.976 | 5933.541 | 5933.386 | 5933.293 | 5933.106 | 5932.889 | 5932.661 |
| 32.5 | 5899.903 | 5900.007 | 5899.821 | 5899.386 | 5898.941 | 5898.858 | 5898.848 | 5898.755 | 5898.620 | 5898.465 |
| 33.0 | 5864.848 | 5864.931 | 5864.745 | 5864.289 | 5863.854 | 5863.834 | 5863.906 | 5863.885 | 5863.823 | 5863.730 |
| 33.5 | 5829.223 | 5829.379 | 5829.234 | 5828.809 | 5828.385 | 5828.333 | 5828.364 | 5828.292 | 5828.178 | 5828.043 |
| 34.0 | 5793.133 | 5793.371 | 5793.278 | 5792.884 | 5792.460 | 5792.367 | 5792.346 | 5792.212 | 5792.025 | 5791.818 |
| 34.5 | 5756.711 | 5756.980 | 5756.918 | 5756.535 | 5756.121 | 5756.038 | 5756.018 | 5755.883 | 5755.697 | 5755.480 |
| 35.0 | 5719.865 | 5720.124 | 5720.031 | 5719.627 | 5719.203 | 5719.130 | 5719.130 | 5719.006 | 5718.841 | 5718.634 |
| 35.5 | 5682.553 | 5682.719 | 5682.533 | 5682.036 | 5681.518 | 5681.415 | 5681.394 | 5681.270 | 5681.104 | 5680.918 |
| 36.0 | 5644.724 | 5644.766 | 5644.445 | 5643.813 | 5643.192 | 5643.058 | 5643.048 | 5642.934 | 5642.799 | 5642.644 |
| 36.5 | 5606.274 | 5606.191 | 5605.746 | 5604.980 | 5604.266 | 5604.152 | 5604.225 | 5604.194 | 5604.142 | 5604.080 |
| 37.0 | 5567.254 | 5567.047 | 5566.489 | 5565.598 | 5564.812 | 5564.729 | 5564.874 | 5564.915 | 5564.946 | 5564.988 |
| 37.5 | 5527.624 | 5527.345 | 5526.714 | 5525.761 | 5524.923 | 5524.830 | 5524.975 | 5525.026 | 5525.089 | 5525.140 |
| 38.0 | 5487.456 | 5487.135 | 5486.473 | 5485.479 | 5484.610 | 5484.486 | 5484.610 | 5484.651 | 5484.693 | 5484.734 |
| 38.5 | 5446.832 | 5446.522 | 5445.839 | 5444.804 | 5443.903 | 5443.758 | 5443.862 | 5443.872 | 5443.882 | 5443.903 |
| 39.0 | 5405.691 | 5405.432 | 5404.780 | 5403.756 | 5402.834 | 5402.658 | 5402.710 | 5402.658 | 5402.607 | 5402.555 |
| 39.5 | 5364.053 | 5363.949 | 5363.411 | 5362.480 | 5361.590 | 5361.341 | 5361.279 | 5361.103 | 5360.917 | 5360.731 |
| 40.0 | 5321.763 | 5321.794 | 5321.359 | 5320.510 | 5319.651 | 5319.341 | 5319.175 | 5318.886 | 5318.575 | 5318.254 |
| 40.5 | 5278.572 | 5278.593 | 5278.138 | 5277.258 | 5276.368 | 5276.037 | 5275.861 | 5275.560 | 5275.240 | 5274.908 |
| 41.0 | 5234.657 | 5234.668 | 5234.191 | 5233.281 | 5232.370 | 5232.039 | 5231.863 | 5231.563 | 5231.252 | 5230.931 |
| 41.5 | 5190.090 | 5190.245 | 5189.893 | 5189.086 | 5188.237 | 5187.906 | 5187.679 | 5187.337 | 5186.964 | 5186.581 |
| 42.0 | 5144.954 | 5145.213 | 5144.954 | 5144.229 | 5143.422 | 5143.080 | 5142.832 | 5142.459 | 5142.045 | 5141.611 |
| 42.5 | 5099.424 | 5099.559 | 5099.155 | 5098.286 | 5097.385 | 5097.044 | 5096.847 | 5096.526 | 5096.185 | 5095.833 |
| 43.0 | 5053.284 | 5053.273 | 5052.715 | 5051.680 | 5050.665 | 5050.324 | 5050.168 | 5049.899 | 5049.630 | 5049.361 |
| 43.5 | 5006.388 | 5006.398 | 5005.870 | 5004.846 | 5003.811 | 5003.418 | 5003.200 | 5002.859 | 5002.527 | 5002.186 |
| 44.0 | 4958.726 | 4958.799 | 4958.312 | 4957.339 | 4956.325 | 4955.890 | 4955.601 | 4955.197 | 4954.804 | 4954.400 |
| 44.5 | 4910.236 | 4910.247 | 4909.729 | 4908.756 | 4907.763 | 4907.370 | 4907.131 | 4906.790 | 4906.438 | 4906.096 |
| 45.0 | 4861.033 | 4860.950 | 4860.381 | 4859.387 | 4858.414 | 4858.083 | 4857.938 | 4857.679 | 4857.431 | 4857.182 |
| 45.5 | 4811.239 | 4811.073 | 4810.452 | 4809.396 | 4808.403 | 4808.123 | 4808.051 | 4807.885 | 4807.720 | 4807.564 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 46.0 | 4760.782 | 4760.534 | 4759.841 | 4758.744 | 4757.729 | 4757.502 | 4757.533 | 4757.460 | 4757.388 | 4757.336 |
| 46.5 | 4709.622 | 4709.281 | 4708.525 | 4707.397 | 4706.414 | 4706.279 | 4706.424 | 4706.476 | 4706.548 | 4706.631 |
| 47.0 | 4657.717 | 4657.324 | 4656.568 | 4655.471 | 4654.540 | 4654.488 | 4654.726 | 4654.892 | 4655.068 | 4655.264 |
| 47.5 | 4604.860 | 4604.580 | 4603.959 | 4603.017 | 4602.231 | 4602.231 | 4602.490 | 4602.676 | 4602.862 | 4603.059 |
| 48.0 | 4551.516 | 4551.350 | 4550.853 | 4550.057 | 4549.384 | 4549.404 | 4549.663 | 4549.839 | 4550.005 | 4550.170 |
| 48.5 | 4498.265 | 4498.006 | 4497.447 | 4496.599 | 4495.895 | 4495.905 | 4496.154 | 4496.330 | 4496.516 | 4496.692 |
| 49.0 | 4444.528 | 4444.176 | 4443.534 | 4442.634 | 4441.889 | 4441.868 | 4442.096 | 4442.261 | 4442.437 | 4442.624 |
| 49.5 | 4389.745 | 4389.507 | 4388.969 | 4388.151 | 4387.458 | 4387.406 | 4387.572 | 4387.665 | 4387.769 | 4387.882 |
| 50.0 | 4334.373 | 4334.280 | 4333.866 | 4333.162 | 4332.531 | 4332.479 | 4332.603 | 4332.655 | 4332.707 | 4332.758 |
| 50.5 | 4278.700 | 4278.690 | 4278.338 | 4277.686 | 4277.096 | 4277.117 | 4277.313 | 4277.417 | 4277.510 | 4277.593 |
| 51.0 | 4222.645 | 4222.676 | 4222.355 | 4221.692 | 4221.123 | 4221.216 | 4221.506 | 4221.703 | 4221.868 | 4222.024 |
| 51.5 | 4166.341 | 4166.320 | 4165.916 | 4165.171 | 4164.529 | 4164.654 | 4165.016 | 4165.275 | 4165.513 | 4165.740 |
| 52.0 | 4109.540 | 4109.457 | 4108.960 | 4108.091 | 4107.366 | 4107.511 | 4107.936 | 4108.246 | 4108.546 | 4108.836 |
| 52.5 | 4051.963 | 4051.890 | 4051.373 | 4050.441 | 4049.665 | 4049.841 | 4050.317 | 4050.669 | 4051.021 | 4051.352 |
| 53.0 | 3993.816 | 3993.765 | 3993.227 | 3992.233 | 3991.405 | 3991.591 | 3992.109 | 3992.492 | 3992.854 | 3993.206 |
| 53.5 | 3935.401 | 3935.339 | 3934.759 | 3933.704 | 3932.803 | 3932.979 | 3933.486 | 3933.859 | 3934.221 | 3934.563 |
| 54.0 | 3876.178 | 3876.085 | 3875.423 | 3874.243 | 3873.239 | 3873.342 | 3873.808 | 3874.119 | 3874.440 | 3874.750 |
| 54.5 | 3815.807 | 3815.548 | 3814.668 | 3813.219 | 3811.936 | 3811.843 | 3812.133 | 3812.309 | 3812.516 | 3812.743 |
| 55.0 | 3754.121 | 3753.738 | 3752.682 | 3751.016 | 3749.525 | 3749.256 | 3749.391 | 3749.443 | 3749.556 | 3749.712 |
| 55.5 | 3690.334 | 3690.034 | 3689.081 | 3687.529 | 3686.132 | 3685.894 | 3686.059 | 3686.111 | 3686.235 | 3686.390 |
| 56.0 | 3625.988 | 3625.812 | 3625.015 | 3623.669 | 3622.458 | 3622.314 | 3622.521 | 3622.634 | 3622.779 | 3622.955 |
| 56.5 | 3562.553 | 3562.408 | 3561.725 | 3560.565 | 3559.520 | 3559.427 | 3559.644 | 3559.758 | 3559.882 | 3560.038 |
| 57.0 | 3499.407 | 3499.200 | 3498.538 | 3497.441 | 3496.478 | 3496.395 | 3496.602 | 3496.716 | 3496.830 | 3496.965 |
| 57.5 | 3436.728 | 3436.262 | 3435.341 | 3433.995 | 3432.826 | 3432.660 | 3432.846 | 3432.950 | 3433.095 | 3433.271 |
| 58.0 | 3373.665 | 3372.910 | 3371.678 | 3370.012 | 3368.573 | 3368.314 | 3368.480 | 3368.573 | 3368.728 | 3368.946 |
| 58.5 | 3309.309 | 3308.419 | 3307.022 | 3305.179 | 3303.596 | 3303.285 | 3303.440 | 3303.523 | 3303.689 | 3303.917 |
| 59.0 | 3243.918 | 3242.945 | 3241.465 | 3239.529 | 3237.852 | 3237.501 | 3237.614 | 3237.677 | 3237.811 | 3238.018 |
| 59.5 | 3177.357 | 3176.363 | 3174.842 | 3172.865 | 3171.157 | 3170.712 | 3170.722 | 3170.691 | 3170.743 | 3170.878 |
| 60.0 | 3109.833 | 3108.881 | 3107.422 | 3105.497 | 3103.810 | 3103.302 | 3103.230 | 3103.116 | 3103.095 | 3103.158 |
| 60.5 | 3041.378 | 3040.644 | 3039.391 | 3037.663 | 3036.121 | 3035.665 | 3035.603 | 3035.489 | 3035.458 | 3035.500 |
| 61.0 | 2972.365 | 2971.837 | 2970.781 | 2969.270 | 2967.904 | 2967.552 | 2967.562 | 2967.500 | 2967.531 | 2967.614 |
| 61.5 | 2903.113 | 2902.585 | 2901.571 | 2900.122 | 2898.869 | 2898.673 | 2898.859 | 2898.994 | 2899.190 | 2899.439 |
| 62.0 | 2833.747 | 2833.188 | 2832.174 | 2830.766 | 2829.576 | 2829.514 | 2829.845 | 2830.125 | 2830.466 | 2830.859 |
| 62.5 | 2764.661 | 2764.123 | 2763.181 | 2761.856 | 2760.738 | 2760.635 | 2760.893 | 2761.111 | 2761.380 | 2761.690 |
| 63.0 | 2695.430 | 2694.923 | 2694.022 | 2692.770 | 2691.693 | 2691.497 | 2691.611 | 2691.693 | 2691.828 | 2692.004 |
| 63.5 | 2625.785 | 2625.246 | 2624.325 | 2623.073 | 2621.976 | 2621.707 | 2621.748 | 2621.748 | 2621.821 | 2621.934 |
| 64.0 | 2555.705 | 2555.115 | 2554.163 | 2552.869 | 2551.710 | 2551.347 | 2551.265 | 2551.151 | 2551.130 | 2551.151 |
| 64.5 | 2485.573 | 2484.900 | 2483.845 | 2482.478 | 2481.216 | 2480.636 | 2480.305 | 2479.974 | 2479.746 | 2479.580 |
| 65.0 | 2413.961 | 2413.268 | 2412.192 | 2410.794 | 2409.439 | 2408.642 | 2408.052 | 2407.472 | 2407.006 | 2406.613 |
| 65.5 | 2340.073 | 2339.669 | 2338.810 | 2337.558 | 2336.264 | 2335.333 | 2334.536 | 2333.708 | 2332.962 | 2332.279 |
| 66.0 | 2262.355 | 2262.220 | 2261.547 | 2260.440 | 2259.188 | 2258.215 | 2257.304 | 2256.331 | 2255.410 | 2254.530 |
| 66.5 | 2177.567 | 2177.319 | 2176.522 | 2175.239 | 2173.873 | 2172.962 | 2172.175 | 2171.337 | 2170.571 | 2169.857 |
| 67.0 | 2089.975 | 2089.582 | 2088.640 | 2087.222 | 2085.784 | 2084.997 | 2084.417 | 2083.796 | 2083.258 | 2082.772 |
| 67.5 | 2002.228 | 2001.918 | 2001.110 | 1999.858 | 1998.616 | 1997.985 | 1997.550 | 1997.053 | 1996.618 | 1996.225 |
| 68.0 | 1915.940 | 1915.826 | 1915.257 | 1914.305 | 1913.342 | 1912.887 | 1912.587 | 1912.204 | 1911.831 | 1911.479 |
| 68.5 | 1834.237 | 1834.424 | 1834.186 | 1833.565 | 1832.881 | 1832.602 | 1832.405 | 1832.105 | 1831.795 | 1831.474 |
| 69.0 | 1755.236 | 1755.753 | 1755.836 | 1755.526 | 1755.132 | 1755.029 | 1754.967 | 1754.770 | 1754.542 | 1754.263 |
| 69.5 | 1678.263 | 1679.039 | 1679.370 | 1679.308 | 1679.153 | 1679.308 | 1679.474 | 1679.494 | 1679.443 | 1679.308 |
| 70.0 | 1602.801 | 1603.753 | 1604.250 | 1604.333 | 1604.322 | 1604.685 | 1605.078 | 1605.285 | 1605.388 | 1605.399 |
| 70.5 | 1527.815 | 1528.943 | 1529.523 | 1529.585 | 1529.564 | 1529.999 | 1530.475 | 1530.713 | 1530.827 | 1530.827 |
| 71.0 | 1454.061 | 1455.158 | 1455.614 | 1455.479 | 1455.262 | 1455.655 | 1456.141 | 1456.369 | 1456.473 | 1456.462 |
| 71.5 | 1382.449 | 1382.998 | 1382.874 | 1382.160 | 1381.466 | 1381.632 | 1382.025 | 1382.232 | 1382.387 | 1382.512 |
| 72.0 | 1311.469 | 1311.386 | 1310.662 | 1309.347 | 1308.168 | 1308.126 | 1308.457 | 1308.675 | 1308.913 | 1309.192 |
| 72.5 | 1240.561 | 1240.189 | 1239.185 | 1237.601 | 1236.256 | 1236.307 | 1236.825 | 1237.198 | 1237.591 | 1238.005 |
| 73.0 | 1167.749 | 1167.252 | 1166.155 | 1164.499 | 1163.143 | 1163.299 | 1163.940 | 1164.427 | 1164.892 | 1165.369 |
| 73.5 | 1088.385 | 1087.930 | 1086.957 | 1085.498 | 1084.266 | 1084.256 | 1084.649 | 1084.918 | 1085.197 | 1085.487 |



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|             |          |          |          |          |          |          |          |          |          |          |
|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| <b>74.0</b> | 1009.943 | 1009.591 | 1008.783 | 1007.572 | 1006.486 | 1006.258 | 1006.330 | 1006.320 | 1006.351 | 1006.413 |
| <b>74.5</b> | 939.801  | 939.521  | 938.766  | 937.586  | 936.499  | 936.178  | 936.106  | 935.950  | 935.826  | 935.743  |
| <b>75.0</b> | 873.550  | 873.302  | 872.546  | 871.366  | 870.228  | 869.835  | 869.679  | 869.431  | 869.214  | 869.027  |
| <b>75.5</b> | 810.219  | 809.825  | 808.997  | 807.766  | 806.596  | 806.120  | 805.872  | 805.561  | 805.302  | 805.075  |
| <b>76.0</b> | 746.949  | 746.514  | 745.666  | 744.455  | 743.316  | 742.819  | 742.540  | 742.230  | 741.971  | 741.753  |
| <b>76.5</b> | 678.153  | 678.132  | 677.604  | 676.642  | 675.689  | 675.379  | 675.244  | 675.048  | 674.872  | 674.727  |
| <b>77.0</b> | 611.116  | 611.478  | 611.271  | 610.546  | 609.791  | 609.656  | 609.687  | 609.594  | 609.511  | 609.418  |
| <b>77.5</b> | 553.104  | 553.383  | 553.135  | 552.442  | 551.707  | 551.531  | 551.489  | 551.355  | 551.210  | 551.065  |
| <b>78.0</b> | 498.508  | 498.539  | 498.156  | 497.400  | 496.645  | 496.448  | 496.396  | 496.251  | 496.117  | 495.982  |
| <b>78.5</b> | 443.208  | 443.021  | 442.473  | 441.593  | 440.848  | 440.900  | 441.200  | 441.407  | 441.603  | 441.810  |
| <b>79.0</b> | 389.936  | 389.626  | 388.994  | 388.073  | 387.380  | 387.670  | 388.291  | 388.818  | 389.315  | 389.822  |
| <b>79.5</b> | 340.184  | 340.080  | 339.687  | 339.004  | 338.476  | 338.724  | 339.221  | 339.635  | 340.029  | 340.422  |
| <b>80.0</b> | 293.536  | 293.702  | 293.578  | 293.195  | 292.853  | 292.988  | 293.257  | 293.464  | 293.661  | 293.847  |
| <b>80.5</b> | 249.559  | 249.818  | 249.839  | 249.632  | 249.425  | 249.518  | 249.683  | 249.787  | 249.880  | 249.963  |
| <b>81.0</b> | 209.774  | 210.022  | 210.074  | 209.950  | 209.815  | 209.919  | 210.064  | 210.157  | 210.219  | 210.271  |
| <b>81.5</b> | 176.405  | 176.405  | 176.271  | 176.012  | 175.836  | 176.053  | 176.385  | 176.654  | 176.892  | 177.109  |
| <b>82.0</b> | 146.939  | 146.753  | 146.473  | 146.090  | 145.873  | 146.194  | 146.691  | 147.115  | 147.498  | 147.860  |
| <b>82.5</b> | 119.025  | 119.077  | 119.025  | 118.849  | 118.756  | 119.015  | 119.377  | 119.667  | 119.915  | 120.132  |
| <b>83.0</b> | 94.454   | 94.765   | 94.930   | 94.972   | 94.982   | 95.137   | 95.303   | 95.406   | 95.479   | 95.520   |
| <b>83.5</b> | 74.820   | 74.965   | 75.006   | 74.944   | 74.872   | 74.944   | 75.048   | 75.110   | 75.162   | 75.203   |
| <b>84.0</b> | 58.322   | 58.260   | 58.126   | 57.919   | 57.743   | 57.743   | 57.805   | 57.856   | 57.919   | 57.991   |
| <b>84.5</b> | 43.366   | 43.315   | 43.191   | 42.994   | 42.828   | 42.797   | 42.818   | 42.818   | 42.839   | 42.859   |
| <b>85.0</b> | 30.978   | 30.998   | 30.936   | 30.791   | 30.657   | 30.615   | 30.595   | 30.564   | 30.543   | 30.512   |
| <b>85.5</b> | 21.787   | 21.828   | 21.818   | 21.745   | 21.663   | 21.621   | 21.580   | 21.538   | 21.497   | 21.445   |
| <b>86.0</b> | 15.411   | 15.463   | 15.484   | 15.463   | 15.432   | 15.401   | 15.359   | 15.318   | 15.277   | 15.225   |
| <b>86.5</b> | 12.254   | 12.285   | 12.275   | 12.254   | 12.213   | 12.203   | 12.182   | 12.161   | 12.141   | 12.109   |
| <b>87.0</b> | 10.609   | 10.609   | 10.578   | 10.526   | 10.485   | 10.474   | 10.485   | 10.485   | 10.485   | 10.485   |
| <b>87.5</b> | 8.601    | 8.590    | 8.570    | 8.528    | 8.487    | 8.487    | 8.497    | 8.497    | 8.508    | 8.518    |
| <b>88.0</b> | 7.121    | 7.121    | 7.100    | 7.069    | 7.038    | 7.038    | 7.048    | 7.048    | 7.059    | 7.069    |
| <b>88.5</b> | 6.583    | 6.583    | 6.562    | 6.541    | 6.520    | 6.520    | 6.531    | 6.531    | 6.541    | 6.541    |
| <b>89.0</b> | 6.520    | 6.510    | 6.500    | 6.489    | 6.469    | 6.469    | 6.479    | 6.479    | 6.479    | 6.489    |
| <b>89.5</b> | 6.562    | 6.552    | 6.541    | 6.520    | 6.510    | 6.510    | 6.510    | 6.520    | 6.520    | 6.520    |
| <b>90.0</b> | 6.821    | 6.821    | 6.810    | 6.790    | 6.769    | 6.759    | 6.769    | 6.769    | 6.769    | 6.769    |

**Vert. Angles**      **Horizontal Angles**

|            | <b><u>300.0</u></b> | <b><u>302.5</u></b> | <b><u>305.0</u></b> | <b><u>307.5</u></b> | <b><u>310.0</u></b> | <b><u>312.5</u></b> | <b><u>315.0</u></b> | <b><u>317.5</u></b> | <b><u>320.0</u></b> | <b><u>322.5</u></b> |
|------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| <b>0.0</b> | 6999.280            | 6999.280            | 6999.280            | 6999.280            | 6999.280            | 6999.280            | 6999.280            | 6999.280            | 6999.280            | 6999.280            |
| <b>0.5</b> | 6998.887            | 6998.918            | 6998.970            | 6999.022            | 6999.073            | 6999.125            | 6999.167            | 6999.167            | 6999.146            | 6999.136            |
| <b>1.0</b> | 6998.038            | 6998.080            | 6998.152            | 6998.225            | 6998.308            | 6998.390            | 6998.452            | 6998.463            | 6998.442            | 6998.421            |
| <b>1.5</b> | 6996.724            | 6996.755            | 6996.817            | 6996.890            | 6996.962            | 6997.045            | 6997.117            | 6997.138            | 6997.138            | 6997.148            |
| <b>2.0</b> | 6994.964            | 6994.964            | 6995.006            | 6995.058            | 6995.120            | 6995.182            | 6995.244            | 6995.285            | 6995.316            | 6995.347            |
| <b>2.5</b> | 6992.750            | 6992.739            | 6992.770            | 6992.801            | 6992.843            | 6992.894            | 6992.946            | 6992.977            | 6993.008            | 6993.039            |
| <b>3.0</b> | 6990.100            | 6990.079            | 6990.090            | 6990.110            | 6990.141            | 6990.172            | 6990.214            | 6990.235            | 6990.266            | 6990.286            |
| <b>3.5</b> | 6987.047            | 6987.026            | 6987.026            | 6987.026            | 6987.026            | 6987.047            | 6987.078            | 6987.119            | 6987.171            | 6987.223            |
| <b>4.0</b> | 6983.476            | 6983.455            | 6983.455            | 6983.455            | 6983.455            | 6983.476            | 6983.507            | 6983.559            | 6983.642            | 6983.714            |
| <b>4.5</b> | 6979.181            | 6979.191            | 6979.232            | 6979.284            | 6979.346            | 6979.419            | 6979.481            | 6979.553            | 6979.615            | 6979.678            |
| <b>5.0</b> | 6974.399            | 6974.440            | 6974.534            | 6974.637            | 6974.751            | 6974.885            | 6974.989            | 6975.061            | 6975.113            | 6975.155            |
| <b>5.5</b> | 6969.338            | 6969.400            | 6969.503            | 6969.617            | 6969.752            | 6969.886            | 6970.011            | 6970.093            | 6970.156            | 6970.218            |
| <b>6.0</b> | 6963.894            | 6963.946            | 6964.039            | 6964.142            | 6964.256            | 6964.370            | 6964.494            | 6964.587            | 6964.670            | 6964.753            |
| <b>6.5</b> | 6958.046            | 6958.056            | 6958.087            | 6958.139            | 6958.201            | 6958.274            | 6958.346            | 6958.450            | 6958.553            | 6958.657            |
| <b>7.0</b> | 6951.691            | 6951.660            | 6951.639            | 6951.629            | 6951.639            | 6951.650            | 6951.701            | 6951.805            | 6951.929            | 6952.043            |
| <b>7.5</b> | 6944.715            | 6944.653            | 6944.612            | 6944.581            | 6944.570            | 6944.560            | 6944.601            | 6944.705            | 6944.860            | 6944.995            |
| <b>8.0</b> | 6937.263            | 6937.191            | 6937.139            | 6937.108            | 6937.087            | 6937.077            | 6937.108            | 6937.222            | 6937.377            | 6937.522            |
| <b>8.5</b> | 6929.470            | 6929.418            | 6929.387            | 6929.356            | 6929.345            | 6929.356            | 6929.387            | 6929.480            | 6929.594            | 6929.708            |
| <b>9.0</b> | 6921.252            | 6921.210            | 6921.190            | 6921.190            | 6921.190            | 6921.200            | 6921.231            | 6921.283            | 6921.355            | 6921.428            |

CANDELA TABULATION - (Cont.)

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 9.5  | 6912.547 | 6912.527 | 6912.506 | 6912.485 | 6912.475 | 6912.475 | 6912.475 | 6912.496 | 6912.516 | 6912.537 |
| 10.0 | 6903.295 | 6903.274 | 6903.253 | 6903.232 | 6903.212 | 6903.191 | 6903.181 | 6903.170 | 6903.160 | 6903.150 |
| 10.5 | 6893.338 | 6893.327 | 6893.317 | 6893.317 | 6893.317 | 6893.327 | 6893.327 | 6893.307 | 6893.296 | 6893.276 |
| 11.0 | 6882.822 | 6882.812 | 6882.833 | 6882.864 | 6882.895 | 6882.936 | 6882.967 | 6882.957 | 6882.936 | 6882.915 |
| 11.5 | 6871.820 | 6871.841 | 6871.913 | 6871.986 | 6872.069 | 6872.162 | 6872.213 | 6872.193 | 6872.131 | 6872.069 |
| 12.0 | 6860.290 | 6860.342 | 6860.456 | 6860.580 | 6860.704 | 6860.839 | 6860.922 | 6860.880 | 6860.777 | 6860.684 |
| 12.5 | 6848.170 | 6848.264 | 6848.419 | 6848.564 | 6848.719 | 6848.885 | 6848.988 | 6848.957 | 6848.874 | 6848.781 |
| 13.0 | 6835.481 | 6835.585 | 6835.740 | 6835.895 | 6836.051 | 6836.216 | 6836.330 | 6836.330 | 6836.268 | 6836.206 |
| 13.5 | 6822.233 | 6822.264 | 6822.337 | 6822.420 | 6822.513 | 6822.606 | 6822.699 | 6822.740 | 6822.761 | 6822.782 |
| 14.0 | 6808.385 | 6808.344 | 6808.333 | 6808.344 | 6808.364 | 6808.395 | 6808.447 | 6808.530 | 6808.623 | 6808.706 |
| 14.5 | 6793.905 | 6793.864 | 6793.864 | 6793.864 | 6793.885 | 6793.916 | 6793.957 | 6794.019 | 6794.092 | 6794.154 |
| 15.0 | 6778.825 | 6778.794 | 6778.805 | 6778.825 | 6778.867 | 6778.908 | 6778.950 | 6778.981 | 6779.012 | 6779.043 |
| 15.5 | 6763.124 | 6763.093 | 6763.104 | 6763.114 | 6763.145 | 6763.187 | 6763.238 | 6763.280 | 6763.311 | 6763.352 |
| 16.0 | 6746.834 | 6746.792 | 6746.782 | 6746.782 | 6746.803 | 6746.834 | 6746.875 | 6746.927 | 6746.989 | 6747.041 |
| 16.5 | 6729.932 | 6729.891 | 6729.849 | 6729.829 | 6729.818 | 6729.808 | 6729.829 | 6729.880 | 6729.953 | 6730.015 |
| 17.0 | 6712.461 | 6712.420 | 6712.368 | 6712.316 | 6712.285 | 6712.254 | 6712.254 | 6712.306 | 6712.378 | 6712.451 |
| 17.5 | 6694.483 | 6694.452 | 6694.421 | 6694.400 | 6694.380 | 6694.369 | 6694.380 | 6694.421 | 6694.494 | 6694.556 |
| 18.0 | 6675.895 | 6675.884 | 6675.884 | 6675.895 | 6675.915 | 6675.936 | 6675.967 | 6676.019 | 6676.071 | 6676.133 |
| 18.5 | 6656.519 | 6656.530 | 6656.561 | 6656.613 | 6656.664 | 6656.737 | 6656.799 | 6656.871 | 6656.944 | 6657.016 |
| 19.0 | 6636.637 | 6636.658 | 6636.720 | 6636.782 | 6636.875 | 6636.968 | 6637.061 | 6637.155 | 6637.248 | 6637.341 |
| 19.5 | 6616.579 | 6616.610 | 6616.641 | 6616.693 | 6616.744 | 6616.807 | 6616.879 | 6616.972 | 6617.076 | 6617.169 |
| 20.0 | 6595.993 | 6596.024 | 6596.034 | 6596.065 | 6596.096 | 6596.117 | 6596.158 | 6596.251 | 6596.355 | 6596.448 |
| 20.5 | 6574.537 | 6574.589 | 6574.651 | 6574.713 | 6574.775 | 6574.837 | 6574.899 | 6574.982 | 6575.065 | 6575.127 |
| 21.0 | 6552.450 | 6552.533 | 6552.626 | 6552.730 | 6552.844 | 6552.947 | 6553.040 | 6553.113 | 6553.164 | 6553.195 |
| 21.5 | 6529.877 | 6529.960 | 6530.063 | 6530.167 | 6530.281 | 6530.384 | 6530.477 | 6530.529 | 6530.570 | 6530.581 |
| 22.0 | 6506.745 | 6506.827 | 6506.921 | 6507.014 | 6507.107 | 6507.200 | 6507.283 | 6507.355 | 6507.397 | 6507.417 |
| 22.5 | 6483.043 | 6483.095 | 6483.167 | 6483.240 | 6483.323 | 6483.405 | 6483.499 | 6483.633 | 6483.768 | 6483.871 |
| 23.0 | 6458.772 | 6458.814 | 6458.866 | 6458.928 | 6459.000 | 6459.083 | 6459.186 | 6459.383 | 6459.590 | 6459.766 |
| 23.5 | 6433.870 | 6433.943 | 6434.036 | 6434.139 | 6434.253 | 6434.357 | 6434.481 | 6434.636 | 6434.791 | 6434.905 |
| 24.0 | 6408.533 | 6408.627 | 6408.761 | 6408.885 | 6409.020 | 6409.144 | 6409.248 | 6409.351 | 6409.413 | 6409.455 |
| 24.5 | 6383.041 | 6383.114 | 6383.197 | 6383.269 | 6383.342 | 6383.404 | 6383.445 | 6383.497 | 6383.528 | 6383.528 |
| 25.0 | 6357.032 | 6357.053 | 6357.063 | 6357.063 | 6357.063 | 6357.042 | 6357.022 | 6357.032 | 6357.042 | 6357.032 |
| 25.5 | 6330.070 | 6330.049 | 6330.018 | 6329.967 | 6329.925 | 6329.863 | 6329.811 | 6329.811 | 6329.811 | 6329.791 |
| 26.0 | 6302.549 | 6302.477 | 6302.394 | 6302.311 | 6302.229 | 6302.146 | 6302.073 | 6302.063 | 6302.073 | 6302.063 |
| 26.5 | 6274.739 | 6274.625 | 6274.522 | 6274.408 | 6274.294 | 6274.180 | 6274.097 | 6274.087 | 6274.108 | 6274.108 |
| 27.0 | 6246.473 | 6246.328 | 6246.173 | 6246.018 | 6245.873 | 6245.718 | 6245.614 | 6245.614 | 6245.645 | 6245.666 |
| 27.5 | 6217.742 | 6217.524 | 6217.276 | 6217.027 | 6216.789 | 6216.551 | 6216.386 | 6216.386 | 6216.448 | 6216.510 |
| 28.0 | 6188.358 | 6188.079 | 6187.758 | 6187.437 | 6187.137 | 6186.837 | 6186.630 | 6186.630 | 6186.712 | 6186.805 |
| 28.5 | 6157.939 | 6157.691 | 6157.422 | 6157.163 | 6156.915 | 6156.677 | 6156.511 | 6156.501 | 6156.552 | 6156.625 |
| 29.0 | 6127.024 | 6126.807 | 6126.600 | 6126.393 | 6126.206 | 6126.030 | 6125.906 | 6125.885 | 6125.916 | 6125.958 |
| 29.5 | 6096.212 | 6095.953 | 6095.684 | 6095.415 | 6095.167 | 6094.929 | 6094.763 | 6094.742 | 6094.784 | 6094.846 |
| 30.0 | 6064.945 | 6064.624 | 6064.282 | 6063.941 | 6063.609 | 6063.299 | 6063.071 | 6063.051 | 6063.113 | 6063.195 |
| 30.5 | 6032.787 | 6032.456 | 6032.083 | 6031.721 | 6031.380 | 6031.048 | 6030.810 | 6030.769 | 6030.831 | 6030.903 |
| 31.0 | 5999.947 | 5999.605 | 5999.243 | 5998.891 | 5998.560 | 5998.239 | 5998.011 | 5997.959 | 5998.001 | 5998.063 |
| 31.5 | 5966.423 | 5966.112 | 5965.802 | 5965.502 | 5965.222 | 5964.964 | 5964.767 | 5964.715 | 5964.726 | 5964.767 |
| 32.0 | 5932.402 | 5932.123 | 5931.844 | 5931.574 | 5931.316 | 5931.088 | 5930.912 | 5930.860 | 5930.881 | 5930.912 |
| 32.5 | 5898.247 | 5897.906 | 5897.523 | 5897.150 | 5896.788 | 5896.457 | 5896.209 | 5896.198 | 5896.291 | 5896.405 |
| 33.0 | 5863.544 | 5863.130 | 5862.643 | 5862.167 | 5861.702 | 5861.257 | 5860.956 | 5860.977 | 5861.153 | 5861.339 |
| 33.5 | 5827.816 | 5827.412 | 5826.946 | 5826.501 | 5826.087 | 5825.673 | 5825.394 | 5825.425 | 5825.580 | 5825.756 |
| 34.0 | 5791.539 | 5791.166 | 5790.752 | 5790.349 | 5789.976 | 5789.624 | 5789.397 | 5789.417 | 5789.562 | 5789.728 |
| 34.5 | 5755.190 | 5754.776 | 5754.331 | 5753.896 | 5753.492 | 5753.120 | 5752.882 | 5752.954 | 5753.172 | 5753.410 |
| 35.0 | 5718.344 | 5717.909 | 5717.423 | 5716.957 | 5716.533 | 5716.129 | 5715.901 | 5716.025 | 5716.326 | 5716.636 |
| 35.5 | 5680.659 | 5680.256 | 5679.811 | 5679.386 | 5679.014 | 5678.662 | 5678.476 | 5678.652 | 5678.993 | 5679.345 |
| 36.0 | 5642.437 | 5642.075 | 5641.671 | 5641.298 | 5640.967 | 5640.657 | 5640.512 | 5640.719 | 5641.081 | 5641.454 |
| 36.5 | 5603.935 | 5603.583 | 5603.169 | 5602.776 | 5602.413 | 5602.072 | 5601.896 | 5602.103 | 5602.455 | 5602.827 |
| 37.0 | 5564.905 | 5564.563 | 5564.118 | 5563.704 | 5563.311 | 5562.939 | 5562.721 | 5562.887 | 5563.208 | 5563.549 |

CANDELA TABULATION - (Cont.)

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 37.5 | 5525.099 | 5524.799 | 5524.395 | 5524.012 | 5523.650 | 5523.298 | 5523.081 | 5523.163 | 5523.391 | 5523.640 |
| 38.0 | 5484.703 | 5484.423 | 5484.061 | 5483.709 | 5483.378 | 5483.047 | 5482.819 | 5482.850 | 5482.985 | 5483.140 |
| 38.5 | 5443.820 | 5443.510 | 5443.096 | 5442.713 | 5442.340 | 5441.978 | 5441.730 | 5441.771 | 5441.937 | 5442.133 |
| 39.0 | 5402.420 | 5402.048 | 5401.613 | 5401.189 | 5400.785 | 5400.402 | 5400.154 | 5400.195 | 5400.381 | 5400.588 |
| 39.5 | 5360.482 | 5360.141 | 5359.758 | 5359.395 | 5359.054 | 5358.723 | 5358.485 | 5358.443 | 5358.485 | 5358.557 |
| 40.0 | 5317.923 | 5317.612 | 5317.312 | 5317.023 | 5316.753 | 5316.495 | 5316.277 | 5316.122 | 5316.008 | 5315.925 |
| 40.5 | 5274.577 | 5274.298 | 5274.029 | 5273.770 | 5273.521 | 5273.304 | 5273.087 | 5272.880 | 5272.683 | 5272.528 |
| 41.0 | 5230.621 | 5230.362 | 5230.124 | 5229.886 | 5229.669 | 5229.462 | 5229.255 | 5229.027 | 5228.799 | 5228.613 |
| 41.5 | 5186.219 | 5185.981 | 5185.774 | 5185.588 | 5185.402 | 5185.246 | 5185.081 | 5184.874 | 5184.677 | 5184.501 |
| 42.0 | 5141.228 | 5141.000 | 5140.845 | 5140.690 | 5140.555 | 5140.441 | 5140.317 | 5140.162 | 5139.986 | 5139.841 |
| 42.5 | 5095.533 | 5095.357 | 5095.232 | 5095.108 | 5095.005 | 5094.922 | 5094.818 | 5094.663 | 5094.487 | 5094.332 |
| 43.0 | 5049.123 | 5048.999 | 5048.926 | 5048.844 | 5048.782 | 5048.719 | 5048.637 | 5048.481 | 5048.305 | 5048.130 |
| 43.5 | 5001.927 | 5001.844 | 5001.834 | 5001.834 | 5001.844 | 5001.855 | 5001.834 | 5001.699 | 5001.513 | 5001.316 |
| 44.0 | 4954.100 | 4954.038 | 4954.069 | 4954.110 | 4954.162 | 4954.234 | 4954.255 | 4954.141 | 4953.965 | 4953.789 |
| 44.5 | 4905.827 | 4905.724 | 4905.693 | 4905.672 | 4905.662 | 4905.682 | 4905.672 | 4905.579 | 4905.465 | 4905.351 |
| 45.0 | 4856.965 | 4856.810 | 4856.686 | 4856.582 | 4856.489 | 4856.416 | 4856.354 | 4856.303 | 4856.272 | 4856.230 |
| 45.5 | 4807.399 | 4807.223 | 4807.057 | 4806.892 | 4806.747 | 4806.623 | 4806.529 | 4806.540 | 4806.581 | 4806.633 |
| 46.0 | 4757.253 | 4757.077 | 4756.860 | 4756.674 | 4756.487 | 4756.311 | 4756.197 | 4756.239 | 4756.332 | 4756.425 |
| 46.5 | 4706.652 | 4706.507 | 4706.300 | 4706.103 | 4705.896 | 4705.689 | 4705.534 | 4705.513 | 4705.545 | 4705.586 |
| 47.0 | 4655.378 | 4655.275 | 4655.078 | 4654.881 | 4654.664 | 4654.436 | 4654.229 | 4654.136 | 4654.084 | 4654.033 |
| 47.5 | 4603.173 | 4603.080 | 4602.893 | 4602.686 | 4602.469 | 4602.231 | 4602.003 | 4601.848 | 4601.734 | 4601.620 |
| 48.0 | 4550.264 | 4550.160 | 4549.974 | 4549.767 | 4549.539 | 4549.301 | 4549.063 | 4548.887 | 4548.732 | 4548.587 |
| 48.5 | 4496.795 | 4496.671 | 4496.454 | 4496.226 | 4495.988 | 4495.729 | 4495.502 | 4495.357 | 4495.264 | 4495.181 |
| 49.0 | 4442.717 | 4442.582 | 4442.344 | 4442.106 | 4441.858 | 4441.609 | 4441.402 | 4441.319 | 4441.288 | 4441.278 |
| 49.5 | 4387.934 | 4387.810 | 4387.624 | 4387.437 | 4387.251 | 4387.065 | 4386.909 | 4386.858 | 4386.858 | 4386.878 |
| 50.0 | 4332.758 | 4332.655 | 4332.510 | 4332.365 | 4332.210 | 4332.075 | 4331.961 | 4331.920 | 4331.910 | 4331.941 |
| 50.5 | 4277.613 | 4277.479 | 4277.293 | 4277.096 | 4276.889 | 4276.682 | 4276.516 | 4276.423 | 4276.392 | 4276.382 |
| 51.0 | 4222.086 | 4221.920 | 4221.672 | 4221.403 | 4221.123 | 4220.844 | 4220.606 | 4220.481 | 4220.419 | 4220.378 |
| 51.5 | 4165.844 | 4165.699 | 4165.430 | 4165.150 | 4164.861 | 4164.550 | 4164.302 | 4164.209 | 4164.188 | 4164.177 |
| 52.0 | 4109.002 | 4108.867 | 4108.608 | 4108.329 | 4108.039 | 4107.729 | 4107.480 | 4107.408 | 4107.418 | 4107.449 |
| 52.5 | 4051.549 | 4051.425 | 4051.166 | 4050.897 | 4050.586 | 4050.265 | 4049.986 | 4049.882 | 4049.851 | 4049.831 |
| 53.0 | 3993.413 | 3993.309 | 3993.061 | 3992.792 | 3992.481 | 3992.160 | 3991.881 | 3991.746 | 3991.684 | 3991.643 |
| 53.5 | 3934.759 | 3934.625 | 3934.335 | 3934.045 | 3933.724 | 3933.393 | 3933.155 | 3933.155 | 3933.269 | 3933.383 |
| 54.0 | 3874.936 | 3874.833 | 3874.605 | 3874.367 | 3874.129 | 3873.881 | 3873.725 | 3873.808 | 3873.995 | 3874.181 |
| 54.5 | 3812.971 | 3813.157 | 3813.323 | 3813.457 | 3813.582 | 3813.675 | 3813.695 | 3813.540 | 3813.333 | 3813.126 |
| 55.0 | 3749.970 | 3750.426 | 3750.954 | 3751.440 | 3751.885 | 3752.310 | 3752.486 | 3752.103 | 3751.502 | 3750.923 |
| 55.5 | 3686.639 | 3687.094 | 3687.601 | 3688.088 | 3688.533 | 3688.947 | 3689.154 | 3688.843 | 3688.336 | 3687.850 |
| 56.0 | 3623.173 | 3623.493 | 3623.835 | 3624.166 | 3624.466 | 3624.756 | 3624.922 | 3624.798 | 3624.560 | 3624.342 |
| 56.5 | 3560.183 | 3560.265 | 3560.348 | 3560.431 | 3560.514 | 3560.597 | 3560.690 | 3560.804 | 3560.917 | 3561.042 |
| 57.0 | 3497.037 | 3496.944 | 3496.789 | 3496.665 | 3496.561 | 3496.478 | 3496.499 | 3496.799 | 3497.213 | 3497.617 |
| 57.5 | 3433.385 | 3433.323 | 3433.209 | 3433.116 | 3433.043 | 3432.991 | 3433.043 | 3433.343 | 3433.757 | 3434.151 |
| 58.0 | 3369.132 | 3369.163 | 3369.142 | 3369.142 | 3369.163 | 3369.184 | 3369.266 | 3369.494 | 3369.784 | 3370.063 |
| 58.5 | 3304.113 | 3304.144 | 3304.124 | 3304.134 | 3304.144 | 3304.144 | 3304.196 | 3304.320 | 3304.475 | 3304.631 |
| 59.0 | 3238.215 | 3238.256 | 3238.256 | 3238.266 | 3238.287 | 3238.298 | 3238.308 | 3238.318 | 3238.339 | 3238.360 |
| 59.5 | 3171.033 | 3171.136 | 3171.240 | 3171.354 | 3171.457 | 3171.571 | 3171.633 | 3171.602 | 3171.530 | 3171.457 |
| 60.0 | 3103.282 | 3103.478 | 3103.706 | 3103.944 | 3104.182 | 3104.410 | 3104.555 | 3104.482 | 3104.317 | 3104.141 |
| 60.5 | 3035.645 | 3035.965 | 3036.359 | 3036.742 | 3037.114 | 3037.466 | 3037.673 | 3037.508 | 3037.187 | 3036.856 |
| 61.0 | 2967.811 | 2968.225 | 2968.721 | 2969.208 | 2969.653 | 2970.088 | 2970.305 | 2970.046 | 2969.591 | 2969.125 |
| 61.5 | 2899.749 | 2900.153 | 2900.577 | 2900.981 | 2901.333 | 2901.664 | 2901.798 | 2901.488 | 2901.012 | 2900.536 |
| 62.0 | 2831.253 | 2831.615 | 2831.936 | 2832.226 | 2832.464 | 2832.660 | 2832.691 | 2832.350 | 2831.863 | 2831.387 |
| 62.5 | 2762.022 | 2762.363 | 2762.694 | 2762.974 | 2763.202 | 2763.398 | 2763.398 | 2762.974 | 2762.384 | 2761.815 |
| 63.0 | 2692.252 | 2692.583 | 2692.935 | 2693.256 | 2693.515 | 2693.743 | 2693.753 | 2693.267 | 2692.573 | 2691.911 |
| 63.5 | 2622.131 | 2622.483 | 2622.876 | 2623.238 | 2623.539 | 2623.818 | 2623.849 | 2623.342 | 2622.617 | 2621.903 |
| 64.0 | 2551.296 | 2551.668 | 2552.124 | 2552.548 | 2552.931 | 2553.293 | 2553.397 | 2552.921 | 2552.206 | 2551.503 |
| 64.5 | 2479.612 | 2480.036 | 2480.626 | 2481.195 | 2481.733 | 2482.282 | 2482.561 | 2482.199 | 2481.578 | 2480.967 |
| 65.0 | 2406.489 | 2406.923 | 2407.586 | 2408.259 | 2408.942 | 2409.635 | 2410.080 | 2409.832 | 2409.335 | 2408.828 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 65.5 | 2331.886 | 2332.155 | 2332.714 | 2333.283 | 2333.894 | 2334.556 | 2334.981 | 2334.774 | 2334.329 | 2333.925 |
| 66.0 | 2253.961 | 2254.095 | 2254.540 | 2255.017 | 2255.544 | 2256.134 | 2256.517 | 2256.321 | 2255.917 | 2255.555 |
| 66.5 | 2169.443 | 2169.722 | 2170.302 | 2170.902 | 2171.533 | 2172.206 | 2172.662 | 2172.506 | 2172.103 | 2171.720 |
| 67.0 | 2082.575 | 2082.989 | 2083.652 | 2084.324 | 2085.007 | 2085.711 | 2086.187 | 2086.063 | 2085.680 | 2085.277 |
| 67.5 | 1996.018 | 1996.225 | 1996.618 | 1997.012 | 1997.426 | 1997.860 | 1998.140 | 1998.036 | 1997.767 | 1997.498 |
| 68.0 | 1911.231 | 1911.200 | 1911.272 | 1911.365 | 1911.459 | 1911.583 | 1911.645 | 1911.510 | 1911.314 | 1911.138 |
| 68.5 | 1831.225 | 1831.174 | 1831.205 | 1831.215 | 1831.236 | 1831.256 | 1831.184 | 1830.863 | 1830.470 | 1830.108 |
| 69.0 | 1754.035 | 1753.983 | 1753.973 | 1753.942 | 1753.890 | 1753.828 | 1753.652 | 1753.228 | 1752.710 | 1752.214 |
| 69.5 | 1679.132 | 1678.925 | 1678.687 | 1678.428 | 1678.159 | 1677.880 | 1677.631 | 1677.487 | 1677.362 | 1677.248 |
| 70.0 | 1605.264 | 1604.892 | 1604.416 | 1603.929 | 1603.453 | 1602.956 | 1602.635 | 1602.760 | 1603.039 | 1603.298 |
| 70.5 | 1530.651 | 1530.165 | 1529.544 | 1528.902 | 1528.260 | 1527.598 | 1527.111 | 1527.122 | 1527.308 | 1527.484 |
| 71.0 | 1456.286 | 1455.831 | 1455.241 | 1454.620 | 1453.989 | 1453.326 | 1452.809 | 1452.654 | 1452.654 | 1452.654 |
| 71.5 | 1382.574 | 1382.574 | 1382.522 | 1382.449 | 1382.356 | 1382.242 | 1382.139 | 1382.129 | 1382.129 | 1382.098 |
| 72.0 | 1309.492 | 1309.844 | 1310.217 | 1310.569 | 1310.900 | 1311.210 | 1311.459 | 1311.614 | 1311.697 | 1311.718 |
| 72.5 | 1238.295 | 1238.253 | 1238.067 | 1237.891 | 1237.694 | 1237.467 | 1237.342 | 1237.487 | 1237.736 | 1237.932 |
| 73.0 | 1165.565 | 1165.079 | 1164.334 | 1163.588 | 1162.843 | 1162.077 | 1161.549 | 1161.684 | 1162.067 | 1162.450 |
| 73.5 | 1085.632 | 1085.353 | 1084.928 | 1084.525 | 1084.121 | 1083.717 | 1083.479 | 1083.686 | 1084.059 | 1084.421 |
| 74.0 | 1006.486 | 1006.506 | 1006.537 | 1006.589 | 1006.672 | 1006.755 | 1006.910 | 1007.210 | 1007.562 | 1007.893 |
| 74.5 | 935.692  | 935.661  | 935.671  | 935.723  | 935.826  | 935.961  | 936.189  | 936.623  | 937.130  | 937.627  |
| 75.0 | 868.872  | 868.769  | 868.707  | 868.696  | 868.758  | 868.841  | 869.069  | 869.555  | 870.145  | 870.714  |
| 75.5 | 804.940  | 804.951  | 805.044  | 805.178  | 805.344  | 805.530  | 805.747  | 806.037  | 806.317  | 806.555  |
| 76.0 | 741.671  | 741.836  | 742.116  | 742.405  | 742.706  | 742.995  | 743.213  | 743.254  | 743.182  | 743.047  |
| 76.5 | 674.706  | 674.986  | 675.379  | 675.772  | 676.155  | 676.528  | 676.766  | 676.704  | 676.497  | 676.248  |
| 77.0 | 609.439  | 609.760  | 610.184  | 610.598  | 610.981  | 611.374  | 611.613  | 611.509  | 611.271  | 611.012  |
| 77.5 | 551.013  | 551.210  | 551.489  | 551.769  | 552.028  | 552.286  | 552.431  | 552.338  | 552.121  | 551.893  |
| 78.0 | 495.879  | 495.889  | 495.931  | 495.962  | 496.003  | 496.044  | 496.055  | 496.034  | 495.982  | 495.900  |
| 78.5 | 441.883  | 441.624  | 441.252  | 440.889  | 440.548  | 440.185  | 440.010  | 440.299  | 440.744  | 441.148  |
| 79.0 | 390.060  | 389.667  | 389.025  | 388.415  | 387.804  | 387.193  | 386.883  | 387.369  | 388.146  | 388.870  |
| 79.5 | 340.670  | 340.546  | 340.277  | 340.008  | 339.718  | 339.408  | 339.211  | 339.335  | 339.583  | 339.811  |
| 80.0 | 294.033  | 294.219  | 294.395  | 294.530  | 294.613  | 294.675  | 294.623  | 294.344  | 293.981  | 293.609  |
| 80.5 | 250.066  | 250.253  | 250.449  | 250.615  | 250.739  | 250.832  | 250.801  | 250.470  | 250.035  | 249.601  |
| 81.0 | 210.302  | 210.333  | 210.343  | 210.343  | 210.312  | 210.271  | 210.188  | 210.001  | 209.774  | 209.577  |
| 81.5 | 177.161  | 176.819  | 176.333  | 175.857  | 175.391  | 174.925  | 174.667  | 174.915  | 175.360  | 175.795  |
| 82.0 | 147.933  | 147.312  | 146.421  | 145.583  | 144.786  | 143.989  | 143.596  | 144.196  | 145.179  | 146.132  |
| 82.5 | 120.174  | 119.760  | 119.170  | 118.621  | 118.083  | 117.555  | 117.297  | 117.679  | 118.321  | 118.942  |
| 83.0 | 95.520   | 95.417   | 95.272   | 95.127   | 94.982   | 94.837   | 94.754   | 94.827   | 94.961   | 95.085   |
| 83.5 | 75.234   | 75.234   | 75.234   | 75.224   | 75.213   | 75.203   | 75.193   | 75.213   | 75.244   | 75.265   |
| 84.0 | 58.053   | 58.105   | 58.146   | 58.188   | 58.229   | 58.260   | 58.291   | 58.333   | 58.364   | 58.384   |
| 84.5 | 42.890   | 42.942   | 43.004   | 43.066   | 43.118   | 43.180   | 43.222   | 43.232   | 43.242   | 43.232   |
| 85.0 | 30.501   | 30.532   | 30.584   | 30.636   | 30.688   | 30.739   | 30.781   | 30.791   | 30.781   | 30.781   |
| 85.5 | 21.424   | 21.445   | 21.487   | 21.538   | 21.590   | 21.642   | 21.694   | 21.725   | 21.735   | 21.756   |
| 86.0 | 15.194   | 15.214   | 15.246   | 15.277   | 15.318   | 15.370   | 15.421   | 15.463   | 15.504   | 15.546   |
| 86.5 | 12.099   | 12.099   | 12.099   | 12.109   | 12.120   | 12.141   | 12.151   | 12.172   | 12.182   | 12.203   |
| 87.0 | 10.485   | 10.474   | 10.464   | 10.453   | 10.433   | 10.422   | 10.412   | 10.402   | 10.391   | 10.381   |
| 87.5 | 8.528    | 8.528    | 8.539    | 8.549    | 8.559    | 8.570    | 8.570    | 8.580    | 8.580    | 8.580    |
| 88.0 | 7.079    | 7.110    | 7.141    | 7.173    | 7.204    | 7.235    | 7.266    | 7.286    | 7.307    | 7.328    |
| 88.5 | 6.552    | 6.572    | 6.583    | 6.603    | 6.614    | 6.634    | 6.655    | 6.676    | 6.696    | 6.707    |
| 89.0 | 6.489    | 6.489    | 6.479    | 6.479    | 6.479    | 6.479    | 6.479    | 6.479    | 6.500    | 6.510    |
| 89.5 | 6.520    | 6.520    | 6.510    | 6.500    | 6.500    | 6.489    | 6.489    | 6.489    | 6.500    | 6.510    |
| 90.0 | 6.779    | 6.779    | 6.779    | 6.779    | 6.779    | 6.779    | 6.779    | 6.779    | 6.779    | 6.779    |

**Vert.  
Angles**

**Horizontal Angles**

|            | <u>325.0</u> | <u>327.5</u> | <u>330.0</u> | <u>332.5</u> | <u>335.0</u> | <u>337.5</u> | <u>340.0</u> | <u>342.5</u> | <u>345.0</u> | <u>347.5</u> |
|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>0.0</b> | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     |
| <b>0.5</b> | 6999.104     | 6999.084     | 6999.053     | 6999.022     | 6999.001     | 6998.980     | 6998.960     | 6998.949     | 6998.949     | 6998.991     |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1.0  | 6998.390 | 6998.359 | 6998.318 | 6998.287 | 6998.245 | 6998.214 | 6998.194 | 6998.173 | 6998.163 | 6998.204 |
| 1.5  | 6997.138 | 6997.128 | 6997.107 | 6997.076 | 6997.045 | 6997.014 | 6996.983 | 6996.952 | 6996.921 | 6996.900 |
| 2.0  | 6995.358 | 6995.378 | 6995.378 | 6995.378 | 6995.358 | 6995.337 | 6995.306 | 6995.275 | 6995.223 | 6995.151 |
| 2.5  | 6993.060 | 6993.081 | 6993.101 | 6993.112 | 6993.122 | 6993.133 | 6993.122 | 6993.112 | 6993.081 | 6992.998 |
| 3.0  | 6990.317 | 6990.348 | 6990.369 | 6990.410 | 6990.452 | 6990.473 | 6990.493 | 6990.514 | 6990.504 | 6990.431 |
| 3.5  | 6987.274 | 6987.326 | 6987.378 | 6987.419 | 6987.461 | 6987.481 | 6987.502 | 6987.512 | 6987.492 | 6987.430 |
| 4.0  | 6983.797 | 6983.869 | 6983.931 | 6983.983 | 6984.014 | 6984.035 | 6984.056 | 6984.056 | 6984.035 | 6983.962 |
| 4.5  | 6979.740 | 6979.802 | 6979.864 | 6979.926 | 6979.988 | 6980.040 | 6980.081 | 6980.112 | 6980.123 | 6980.060 |
| 5.0  | 6975.206 | 6975.248 | 6975.299 | 6975.372 | 6975.455 | 6975.527 | 6975.589 | 6975.641 | 6975.662 | 6975.600 |
| 5.5  | 6970.269 | 6970.311 | 6970.363 | 6970.414 | 6970.466 | 6970.507 | 6970.538 | 6970.570 | 6970.549 | 6970.466 |
| 6.0  | 6964.825 | 6964.877 | 6964.929 | 6964.960 | 6964.970 | 6964.970 | 6964.960 | 6964.939 | 6964.887 | 6964.784 |
| 6.5  | 6958.750 | 6958.833 | 6958.895 | 6958.905 | 6958.884 | 6958.853 | 6958.812 | 6958.760 | 6958.698 | 6958.615 |
| 7.0  | 6952.167 | 6952.281 | 6952.354 | 6952.354 | 6952.312 | 6952.271 | 6952.209 | 6952.136 | 6952.064 | 6952.012 |
| 7.5  | 6945.140 | 6945.284 | 6945.378 | 6945.388 | 6945.357 | 6945.305 | 6945.253 | 6945.181 | 6945.109 | 6945.057 |
| 8.0  | 6937.677 | 6937.822 | 6937.936 | 6937.957 | 6937.936 | 6937.895 | 6937.853 | 6937.791 | 6937.729 | 6937.677 |
| 8.5  | 6929.822 | 6929.935 | 6930.029 | 6930.039 | 6930.018 | 6929.998 | 6929.956 | 6929.904 | 6929.853 | 6929.791 |
| 9.0  | 6921.490 | 6921.562 | 6921.604 | 6921.614 | 6921.604 | 6921.583 | 6921.552 | 6921.511 | 6921.469 | 6921.407 |
| 9.5  | 6912.568 | 6912.589 | 6912.610 | 6912.610 | 6912.610 | 6912.599 | 6912.589 | 6912.568 | 6912.537 | 6912.496 |
| 10.0 | 6903.139 | 6903.129 | 6903.119 | 6903.119 | 6903.108 | 6903.108 | 6903.098 | 6903.088 | 6903.077 | 6903.046 |
| 10.5 | 6893.255 | 6893.234 | 6893.203 | 6893.183 | 6893.141 | 6893.110 | 6893.089 | 6893.058 | 6893.038 | 6893.027 |
| 11.0 | 6882.884 | 6882.853 | 6882.812 | 6882.760 | 6882.708 | 6882.667 | 6882.615 | 6882.574 | 6882.543 | 6882.553 |
| 11.5 | 6871.996 | 6871.924 | 6871.862 | 6871.841 | 6871.841 | 6871.831 | 6871.831 | 6871.841 | 6871.831 | 6871.810 |
| 12.0 | 6860.590 | 6860.477 | 6860.404 | 6860.414 | 6860.446 | 6860.487 | 6860.528 | 6860.570 | 6860.590 | 6860.539 |
| 12.5 | 6848.678 | 6848.564 | 6848.471 | 6848.460 | 6848.481 | 6848.502 | 6848.522 | 6848.543 | 6848.553 | 6848.512 |
| 13.0 | 6836.133 | 6836.040 | 6835.968 | 6835.937 | 6835.916 | 6835.906 | 6835.885 | 6835.875 | 6835.864 | 6835.844 |
| 13.5 | 6822.792 | 6822.792 | 6822.782 | 6822.761 | 6822.740 | 6822.709 | 6822.678 | 6822.637 | 6822.596 | 6822.554 |
| 14.0 | 6808.799 | 6808.882 | 6808.934 | 6808.944 | 6808.923 | 6808.892 | 6808.840 | 6808.799 | 6808.737 | 6808.664 |
| 14.5 | 6794.226 | 6794.299 | 6794.350 | 6794.381 | 6794.392 | 6794.392 | 6794.392 | 6794.371 | 6794.340 | 6794.278 |
| 15.0 | 6779.074 | 6779.105 | 6779.136 | 6779.177 | 6779.219 | 6779.250 | 6779.270 | 6779.291 | 6779.281 | 6779.208 |
| 15.5 | 6763.383 | 6763.425 | 6763.435 | 6763.435 | 6763.425 | 6763.404 | 6763.383 | 6763.352 | 6763.300 | 6763.218 |
| 16.0 | 6747.092 | 6747.134 | 6747.154 | 6747.123 | 6747.061 | 6746.999 | 6746.927 | 6746.844 | 6746.751 | 6746.658 |
| 16.5 | 6730.087 | 6730.149 | 6730.191 | 6730.201 | 6730.191 | 6730.160 | 6730.129 | 6730.077 | 6730.004 | 6729.891 |
| 17.0 | 6712.534 | 6712.606 | 6712.679 | 6712.741 | 6712.772 | 6712.792 | 6712.803 | 6712.803 | 6712.751 | 6712.606 |
| 17.5 | 6694.618 | 6694.680 | 6694.742 | 6694.783 | 6694.814 | 6694.835 | 6694.835 | 6694.825 | 6694.773 | 6694.628 |
| 18.0 | 6676.184 | 6676.226 | 6676.267 | 6676.298 | 6676.298 | 6676.298 | 6676.278 | 6676.247 | 6676.184 | 6676.029 |
| 18.5 | 6657.078 | 6657.140 | 6657.182 | 6657.213 | 6657.234 | 6657.234 | 6657.203 | 6657.161 | 6657.058 | 6656.809 |
| 19.0 | 6637.413 | 6637.475 | 6637.527 | 6637.569 | 6637.579 | 6637.558 | 6637.507 | 6637.444 | 6637.289 | 6636.948 |
| 19.5 | 6617.252 | 6617.314 | 6617.355 | 6617.334 | 6617.272 | 6617.189 | 6617.065 | 6616.931 | 6616.724 | 6616.382 |
| 20.0 | 6596.521 | 6596.572 | 6596.583 | 6596.500 | 6596.365 | 6596.210 | 6596.013 | 6595.817 | 6595.568 | 6595.247 |
| 20.5 | 6575.168 | 6575.189 | 6575.158 | 6575.055 | 6574.899 | 6574.723 | 6574.527 | 6574.320 | 6574.071 | 6573.751 |
| 21.0 | 6553.195 | 6553.185 | 6553.123 | 6552.999 | 6552.833 | 6552.647 | 6552.440 | 6552.223 | 6551.984 | 6551.684 |
| 21.5 | 6530.570 | 6530.529 | 6530.446 | 6530.270 | 6530.042 | 6529.815 | 6529.566 | 6529.318 | 6529.080 | 6528.863 |
| 22.0 | 6507.407 | 6507.376 | 6507.272 | 6507.045 | 6506.745 | 6506.444 | 6506.144 | 6505.834 | 6505.575 | 6505.420 |
| 22.5 | 6483.944 | 6483.985 | 6483.913 | 6483.612 | 6483.209 | 6482.805 | 6482.391 | 6481.967 | 6481.615 | 6481.449 |
| 23.0 | 6459.890 | 6459.983 | 6459.942 | 6459.600 | 6459.124 | 6458.638 | 6458.141 | 6457.624 | 6457.189 | 6456.982 |
| 23.5 | 6434.978 | 6435.019 | 6434.936 | 6434.615 | 6434.181 | 6433.736 | 6433.270 | 6432.794 | 6432.380 | 6432.121 |
| 24.0 | 6409.444 | 6409.413 | 6409.289 | 6408.989 | 6408.616 | 6408.223 | 6407.819 | 6407.405 | 6407.033 | 6406.753 |
| 24.5 | 6383.497 | 6383.424 | 6383.269 | 6382.948 | 6382.545 | 6382.141 | 6381.727 | 6381.303 | 6380.940 | 6380.692 |
| 25.0 | 6356.980 | 6356.897 | 6356.742 | 6356.401 | 6355.987 | 6355.562 | 6355.148 | 6354.724 | 6354.362 | 6354.165 |
| 25.5 | 6329.749 | 6329.698 | 6329.563 | 6329.294 | 6328.952 | 6328.611 | 6328.259 | 6327.917 | 6327.607 | 6327.421 |
| 26.0 | 6302.042 | 6302.011 | 6301.928 | 6301.732 | 6301.483 | 6301.225 | 6300.956 | 6300.686 | 6300.438 | 6300.231 |
| 26.5 | 6274.108 | 6274.097 | 6274.035 | 6273.870 | 6273.652 | 6273.414 | 6273.176 | 6272.928 | 6272.679 | 6272.441 |
| 27.0 | 6245.687 | 6245.707 | 6245.676 | 6245.531 | 6245.335 | 6245.128 | 6244.900 | 6244.662 | 6244.414 | 6244.134 |
| 27.5 | 6216.582 | 6216.655 | 6216.686 | 6216.603 | 6216.469 | 6216.313 | 6216.127 | 6215.930 | 6215.703 | 6215.402 |
| 28.0 | 6186.919 | 6187.033 | 6187.106 | 6187.085 | 6187.002 | 6186.899 | 6186.774 | 6186.619 | 6186.423 | 6186.102 |
| 28.5 | 6156.708 | 6156.790 | 6156.863 | 6156.853 | 6156.811 | 6156.749 | 6156.666 | 6156.563 | 6156.397 | 6156.097 |

CANDELA TABULATION - (Cont.)

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 29.0 | 6125.999 | 6126.061 | 6126.103 | 6126.113 | 6126.092 | 6126.061 | 6125.999 | 6125.927 | 6125.803 | 6125.533 |
| 29.5 | 6094.918 | 6095.001 | 6095.073 | 6095.084 | 6095.063 | 6095.022 | 6094.970 | 6094.897 | 6094.773 | 6094.535 |
| 30.0 | 6063.299 | 6063.423 | 6063.516 | 6063.537 | 6063.516 | 6063.475 | 6063.423 | 6063.351 | 6063.226 | 6062.999 |
| 30.5 | 6031.007 | 6031.131 | 6031.235 | 6031.276 | 6031.286 | 6031.286 | 6031.266 | 6031.224 | 6031.131 | 6030.903 |
| 31.0 | 5998.146 | 5998.260 | 5998.363 | 5998.435 | 5998.487 | 5998.518 | 5998.529 | 5998.529 | 5998.467 | 5998.249 |
| 31.5 | 5964.829 | 5964.912 | 5964.995 | 5965.067 | 5965.140 | 5965.191 | 5965.233 | 5965.264 | 5965.233 | 5965.077 |
| 32.0 | 5930.974 | 5931.057 | 5931.129 | 5931.202 | 5931.254 | 5931.305 | 5931.347 | 5931.388 | 5931.399 | 5931.336 |
| 32.5 | 5896.550 | 5896.716 | 5896.861 | 5896.892 | 5896.881 | 5896.881 | 5896.871 | 5896.861 | 5896.871 | 5896.933 |
| 33.0 | 5861.567 | 5861.826 | 5862.022 | 5862.022 | 5861.940 | 5861.888 | 5861.826 | 5861.764 | 5861.774 | 5861.960 |
| 33.5 | 5825.963 | 5826.211 | 5826.387 | 5826.377 | 5826.294 | 5826.232 | 5826.180 | 5826.129 | 5826.170 | 5826.450 |
| 34.0 | 5789.924 | 5790.152 | 5790.318 | 5790.297 | 5790.214 | 5790.162 | 5790.121 | 5790.080 | 5790.152 | 5790.504 |
| 34.5 | 5753.668 | 5753.968 | 5754.186 | 5754.165 | 5754.072 | 5754.000 | 5753.937 | 5753.875 | 5753.937 | 5754.320 |
| 35.0 | 5716.978 | 5717.361 | 5717.640 | 5717.619 | 5717.495 | 5717.392 | 5717.309 | 5717.216 | 5717.257 | 5717.671 |
| 35.5 | 5679.718 | 5680.132 | 5680.421 | 5680.380 | 5680.225 | 5680.090 | 5679.976 | 5679.852 | 5679.894 | 5680.349 |
| 36.0 | 5641.837 | 5642.261 | 5642.551 | 5642.499 | 5642.333 | 5642.178 | 5642.044 | 5641.909 | 5641.940 | 5642.406 |
| 36.5 | 5603.221 | 5603.645 | 5603.945 | 5603.935 | 5603.800 | 5603.676 | 5603.573 | 5603.448 | 5603.479 | 5603.883 |
| 37.0 | 5563.922 | 5564.315 | 5564.615 | 5564.636 | 5564.553 | 5564.481 | 5564.408 | 5564.336 | 5564.367 | 5564.688 |
| 37.5 | 5523.909 | 5524.209 | 5524.447 | 5524.468 | 5524.416 | 5524.385 | 5524.364 | 5524.333 | 5524.395 | 5524.706 |
| 38.0 | 5483.326 | 5483.544 | 5483.709 | 5483.730 | 5483.709 | 5483.699 | 5483.709 | 5483.720 | 5483.813 | 5484.113 |
| 38.5 | 5442.340 | 5442.589 | 5442.785 | 5442.806 | 5442.765 | 5442.744 | 5442.734 | 5442.723 | 5442.796 | 5443.096 |
| 39.0 | 5400.816 | 5401.085 | 5401.303 | 5401.323 | 5401.282 | 5401.261 | 5401.240 | 5401.230 | 5401.292 | 5401.592 |
| 39.5 | 5358.661 | 5358.795 | 5358.930 | 5358.992 | 5359.033 | 5359.095 | 5359.178 | 5359.251 | 5359.385 | 5359.623 |
| 40.0 | 5315.884 | 5315.863 | 5315.905 | 5316.008 | 5316.153 | 5316.319 | 5316.495 | 5316.691 | 5316.878 | 5317.074 |
| 40.5 | 5272.414 | 5272.331 | 5272.321 | 5272.455 | 5272.662 | 5272.890 | 5273.128 | 5273.387 | 5273.635 | 5273.832 |
| 41.0 | 5228.468 | 5228.344 | 5228.313 | 5228.447 | 5228.665 | 5228.903 | 5229.161 | 5229.441 | 5229.700 | 5229.907 |
| 41.5 | 5184.356 | 5184.242 | 5184.180 | 5184.242 | 5184.367 | 5184.511 | 5184.687 | 5184.884 | 5185.091 | 5185.329 |
| 42.0 | 5139.706 | 5139.592 | 5139.510 | 5139.479 | 5139.489 | 5139.520 | 5139.592 | 5139.675 | 5139.810 | 5140.069 |
| 42.5 | 5094.177 | 5094.042 | 5093.928 | 5093.835 | 5093.773 | 5093.742 | 5093.742 | 5093.763 | 5093.856 | 5094.094 |
| 43.0 | 5047.954 | 5047.788 | 5047.633 | 5047.509 | 5047.395 | 5047.322 | 5047.270 | 5047.239 | 5047.281 | 5047.467 |
| 43.5 | 5001.130 | 5000.934 | 5000.747 | 5000.592 | 5000.457 | 5000.344 | 5000.261 | 5000.188 | 5000.168 | 5000.250 |
| 44.0 | 4953.593 | 4953.396 | 4953.210 | 4953.044 | 4952.910 | 4952.775 | 4952.661 | 4952.558 | 4952.496 | 4952.475 |
| 44.5 | 4905.227 | 4905.093 | 4904.968 | 4904.834 | 4904.710 | 4904.596 | 4904.482 | 4904.389 | 4904.316 | 4904.296 |
| 45.0 | 4856.189 | 4856.158 | 4856.096 | 4855.992 | 4855.858 | 4855.744 | 4855.630 | 4855.526 | 4855.454 | 4855.475 |
| 45.5 | 4806.674 | 4806.716 | 4806.705 | 4806.540 | 4806.333 | 4806.126 | 4805.940 | 4805.743 | 4805.629 | 4805.701 |
| 46.0 | 4756.508 | 4756.601 | 4756.611 | 4756.404 | 4756.125 | 4755.856 | 4755.607 | 4755.359 | 4755.214 | 4755.359 |
| 46.5 | 4705.617 | 4705.658 | 4705.648 | 4705.472 | 4705.255 | 4705.048 | 4704.861 | 4704.685 | 4704.613 | 4704.789 |
| 47.0 | 4653.991 | 4653.960 | 4653.919 | 4653.805 | 4653.670 | 4653.567 | 4653.494 | 4653.422 | 4653.443 | 4653.650 |
| 47.5 | 4601.517 | 4601.434 | 4601.372 | 4601.310 | 4601.268 | 4601.248 | 4601.258 | 4601.289 | 4601.393 | 4601.651 |
| 48.0 | 4548.463 | 4548.369 | 4548.307 | 4548.287 | 4548.307 | 4548.359 | 4548.452 | 4548.556 | 4548.721 | 4549.032 |
| 48.5 | 4495.119 | 4495.088 | 4495.077 | 4495.088 | 4495.129 | 4495.191 | 4495.295 | 4495.409 | 4495.595 | 4495.936 |
| 49.0 | 4441.299 | 4441.350 | 4441.402 | 4441.454 | 4441.506 | 4441.589 | 4441.692 | 4441.816 | 4442.003 | 4442.323 |
| 49.5 | 4386.920 | 4386.992 | 4387.096 | 4387.230 | 4387.386 | 4387.562 | 4387.737 | 4387.913 | 4388.089 | 4388.265 |
| 50.0 | 4331.992 | 4332.065 | 4332.189 | 4332.406 | 4332.665 | 4332.914 | 4333.162 | 4333.410 | 4333.586 | 4333.607 |
| 50.5 | 4276.413 | 4276.475 | 4276.589 | 4276.817 | 4277.096 | 4277.375 | 4277.655 | 4277.934 | 4278.152 | 4278.245 |
| 51.0 | 4220.388 | 4220.440 | 4220.533 | 4220.730 | 4220.978 | 4221.237 | 4221.506 | 4221.775 | 4222.034 | 4222.231 |
| 51.5 | 4164.219 | 4164.281 | 4164.374 | 4164.498 | 4164.643 | 4164.798 | 4164.974 | 4165.150 | 4165.326 | 4165.523 |
| 52.0 | 4107.501 | 4107.584 | 4107.656 | 4107.708 | 4107.749 | 4107.811 | 4107.873 | 4107.956 | 4108.070 | 4108.267 |
| 52.5 | 4049.831 | 4049.862 | 4049.903 | 4049.913 | 4049.934 | 4049.986 | 4050.058 | 4050.131 | 4050.276 | 4050.566 |
| 53.0 | 3991.622 | 3991.622 | 3991.643 | 3991.633 | 3991.633 | 3991.664 | 3991.736 | 3991.819 | 3992.005 | 3992.399 |
| 53.5 | 3933.507 | 3933.662 | 3933.766 | 3933.673 | 3933.528 | 3933.424 | 3933.352 | 3933.290 | 3933.393 | 3933.880 |
| 54.0 | 3874.377 | 3874.595 | 3874.729 | 3874.616 | 3874.429 | 3874.274 | 3874.150 | 3874.046 | 3874.129 | 3874.667 |
| 54.5 | 3812.930 | 3812.743 | 3812.640 | 3812.723 | 3812.898 | 3813.116 | 3813.385 | 3813.685 | 3814.037 | 3814.534 |
| 55.0 | 3750.353 | 3749.784 | 3749.474 | 3749.753 | 3750.302 | 3750.892 | 3751.544 | 3752.247 | 3752.889 | 3753.324 |
| 55.5 | 3687.374 | 3686.898 | 3686.649 | 3686.949 | 3687.498 | 3688.077 | 3688.730 | 3689.413 | 3690.075 | 3690.593 |
| 56.0 | 3624.125 | 3623.928 | 3623.856 | 3624.083 | 3624.466 | 3624.891 | 3625.367 | 3625.874 | 3626.423 | 3627.033 |
| 56.5 | 3561.166 | 3561.311 | 3561.456 | 3561.569 | 3561.683 | 3561.828 | 3562.025 | 3562.232 | 3562.573 | 3563.225 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 57.0 | 3498.020 | 3498.455 | 3498.755 | 3498.735 | 3498.600 | 3498.486 | 3498.414 | 3498.331 | 3498.455 | 3499.107 |
| 57.5 | 3434.544 | 3434.937 | 3435.196 | 3435.103 | 3434.885 | 3434.689 | 3434.513 | 3434.337 | 3434.368 | 3434.927 |
| 58.0 | 3370.322 | 3370.581 | 3370.736 | 3370.612 | 3370.395 | 3370.198 | 3370.032 | 3369.856 | 3369.867 | 3370.322 |
| 58.5 | 3304.776 | 3304.920 | 3305.003 | 3304.920 | 3304.796 | 3304.693 | 3304.610 | 3304.548 | 3304.631 | 3305.065 |
| 59.0 | 3238.380 | 3238.401 | 3238.422 | 3238.391 | 3238.370 | 3238.370 | 3238.401 | 3238.453 | 3238.608 | 3239.012 |
| 59.5 | 3171.374 | 3171.292 | 3171.219 | 3171.188 | 3171.178 | 3171.188 | 3171.230 | 3171.292 | 3171.426 | 3171.726 |
| 60.0 | 3103.944 | 3103.748 | 3103.582 | 3103.551 | 3103.572 | 3103.603 | 3103.654 | 3103.727 | 3103.830 | 3103.955 |
| 60.5 | 3036.504 | 3036.131 | 3035.862 | 3035.893 | 3036.038 | 3036.172 | 3036.328 | 3036.504 | 3036.597 | 3036.473 |
| 61.0 | 2968.649 | 2968.142 | 2967.811 | 2967.945 | 2968.245 | 2968.535 | 2968.825 | 2969.125 | 2969.229 | 2968.856 |
| 61.5 | 2900.070 | 2899.583 | 2899.314 | 2899.625 | 2900.142 | 2900.629 | 2901.084 | 2901.540 | 2901.695 | 2901.095 |
| 62.0 | 2830.942 | 2830.487 | 2830.290 | 2830.735 | 2831.418 | 2832.050 | 2832.640 | 2833.230 | 2833.437 | 2832.702 |
| 62.5 | 2761.266 | 2760.728 | 2760.448 | 2760.852 | 2761.525 | 2762.146 | 2762.746 | 2763.346 | 2763.584 | 2762.922 |
| 63.0 | 2691.259 | 2690.607 | 2690.224 | 2690.534 | 2691.124 | 2691.683 | 2692.242 | 2692.822 | 2693.091 | 2692.583 |
| 63.5 | 2621.210 | 2620.506 | 2620.071 | 2620.320 | 2620.837 | 2621.344 | 2621.862 | 2622.410 | 2622.711 | 2622.359 |
| 64.0 | 2550.809 | 2550.095 | 2549.650 | 2549.857 | 2550.323 | 2550.788 | 2551.275 | 2551.803 | 2552.124 | 2551.917 |
| 64.5 | 2480.357 | 2479.715 | 2479.311 | 2479.508 | 2479.953 | 2480.398 | 2480.864 | 2481.361 | 2481.692 | 2481.557 |
| 65.0 | 2408.321 | 2407.783 | 2407.462 | 2407.720 | 2408.207 | 2408.683 | 2409.180 | 2409.708 | 2410.060 | 2409.977 |
| 65.5 | 2333.521 | 2333.118 | 2332.962 | 2333.449 | 2334.173 | 2334.908 | 2335.643 | 2336.388 | 2336.926 | 2336.906 |
| 66.0 | 2255.234 | 2254.913 | 2254.872 | 2255.493 | 2256.383 | 2257.252 | 2258.122 | 2258.991 | 2259.581 | 2259.488 |
| 66.5 | 2171.326 | 2170.892 | 2170.674 | 2171.026 | 2171.564 | 2172.061 | 2172.517 | 2172.962 | 2173.076 | 2172.392 |
| 67.0 | 2084.821 | 2084.304 | 2083.910 | 2083.952 | 2084.117 | 2084.200 | 2084.221 | 2084.221 | 2083.879 | 2082.689 |
| 67.5 | 1997.198 | 1996.856 | 1996.618 | 1996.712 | 1996.888 | 1997.012 | 1997.063 | 1997.105 | 1996.856 | 1995.894 |
| 68.0 | 1910.972 | 1910.796 | 1910.724 | 1910.931 | 1911.221 | 1911.469 | 1911.676 | 1911.883 | 1911.862 | 1911.324 |
| 68.5 | 1829.756 | 1829.425 | 1829.249 | 1829.445 | 1829.787 | 1830.128 | 1830.460 | 1830.791 | 1830.946 | 1830.646 |
| 69.0 | 1751.748 | 1751.292 | 1751.013 | 1751.106 | 1751.365 | 1751.644 | 1751.934 | 1752.245 | 1752.441 | 1752.317 |
| 69.5 | 1677.124 | 1677.010 | 1676.866 | 1676.627 | 1676.358 | 1676.100 | 1675.862 | 1675.634 | 1675.468 | 1675.437 |
| 70.0 | 1603.546 | 1603.784 | 1603.795 | 1603.246 | 1602.490 | 1601.745 | 1601.000 | 1600.255 | 1599.737 | 1599.768 |
| 70.5 | 1527.650 | 1527.846 | 1527.846 | 1527.360 | 1526.687 | 1526.035 | 1525.404 | 1524.772 | 1524.358 | 1524.462 |
| 71.0 | 1452.664 | 1452.705 | 1452.643 | 1452.271 | 1451.805 | 1451.360 | 1450.946 | 1450.532 | 1450.283 | 1450.408 |
| 71.5 | 1382.035 | 1381.953 | 1381.777 | 1381.363 | 1380.866 | 1380.379 | 1379.893 | 1379.417 | 1379.065 | 1378.972 |
| 72.0 | 1311.666 | 1311.552 | 1311.314 | 1310.848 | 1310.289 | 1309.710 | 1309.120 | 1308.530 | 1308.043 | 1307.774 |
| 72.5 | 1238.098 | 1238.243 | 1238.212 | 1237.756 | 1237.135 | 1236.514 | 1235.883 | 1235.241 | 1234.755 | 1234.651 |
| 73.0 | 1162.833 | 1163.247 | 1163.433 | 1163.040 | 1162.419 | 1161.819 | 1161.208 | 1160.587 | 1160.163 | 1160.256 |
| 73.5 | 1084.773 | 1085.146 | 1085.353 | 1085.115 | 1084.701 | 1084.297 | 1083.883 | 1083.459 | 1083.179 | 1083.303 |
| 74.0 | 1008.204 | 1008.494 | 1008.670 | 1008.576 | 1008.369 | 1008.152 | 1007.914 | 1007.666 | 1007.479 | 1007.510 |
| 74.5 | 938.083  | 938.528  | 938.817  | 938.797  | 938.610  | 938.383  | 938.103  | 937.782  | 937.451  | 937.130  |
| 75.0 | 871.242  | 871.739  | 872.060  | 871.967  | 871.687  | 871.335  | 870.911  | 870.425  | 869.876  | 869.265  |
| 75.5 | 806.720  | 806.834  | 806.762  | 806.275  | 805.603  | 804.888  | 804.154  | 803.388  | 802.694  | 802.197  |
| 76.0 | 742.819  | 742.519  | 742.054  | 741.257  | 740.325  | 739.404  | 738.493  | 737.603  | 736.889  | 736.599  |
| 76.5 | 675.927  | 675.565  | 675.162  | 674.748  | 674.323  | 673.888  | 673.474  | 673.071  | 672.709  | 672.429  |
| 77.0 | 610.722  | 610.412  | 610.164  | 610.153  | 610.226  | 610.288  | 610.339  | 610.412  | 610.381  | 610.132  |
| 77.5 | 551.624  | 551.334  | 551.055  | 550.837  | 550.651  | 550.485  | 550.330  | 550.206  | 550.113  | 550.113  |
| 78.0 | 495.765  | 495.610  | 495.330  | 494.802  | 494.181  | 493.602  | 493.064  | 492.546  | 492.256  | 492.484  |
| 78.5 | 441.500  | 441.852  | 441.904  | 441.231  | 440.289  | 439.368  | 438.467  | 437.577  | 437.018  | 437.298  |
| 79.0 | 389.574  | 390.267  | 390.568  | 389.916  | 388.870  | 387.846  | 386.811  | 385.744  | 385.030  | 385.237  |
| 79.5 | 340.008  | 340.204  | 340.246  | 339.904  | 339.418  | 338.921  | 338.404  | 337.886  | 337.462  | 337.327  |
| 80.0 | 293.236  | 292.853  | 292.584  | 292.594  | 292.719  | 292.822  | 292.926  | 293.029  | 292.977  | 292.543  |
| 80.5 | 249.187  | 248.773  | 248.524  | 248.700  | 249.042  | 249.363  | 249.673  | 250.004  | 250.139  | 249.777  |
| 81.0 | 209.391  | 209.215  | 209.132  | 209.298  | 209.546  | 209.784  | 210.022  | 210.271  | 210.405  | 210.271  |
| 81.5 | 176.229  | 176.685  | 176.944  | 176.695  | 176.250  | 175.815  | 175.381  | 174.925  | 174.667  | 174.884  |
| 82.0 | 147.063  | 148.026  | 148.533  | 147.933  | 146.898  | 145.883  | 144.869  | 143.813  | 143.182  | 143.648  |
| 82.5 | 119.553  | 120.174  | 120.515  | 120.143  | 119.480  | 118.839  | 118.176  | 117.493  | 117.058  | 117.276  |
| 83.0 | 95.220   | 95.355   | 95.427   | 95.375   | 95.261   | 95.148   | 95.013   | 94.868   | 94.734   | 94.640   |
| 83.5 | 75.296   | 75.307   | 75.307   | 75.276   | 75.224   | 75.172   | 75.100   | 75.037   | 74.965   | 74.882   |
| 84.0 | 58.395   | 58.395   | 58.374   | 58.312   | 58.229   | 58.146   | 58.063   | 57.981   | 57.919   | 57.919   |
| 84.5 | 43.232   | 43.222   | 43.211   | 43.211   | 43.222   | 43.222   | 43.222   | 43.222   | 43.211   | 43.191   |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 85.0 | 30.771 | 30.771 | 30.791 | 30.864 | 30.946 | 31.040 | 31.112 | 31.185 | 31.226 | 31.185 |
| 85.5 | 21.787 | 21.807 | 21.849 | 21.942 | 22.045 | 22.149 | 22.242 | 22.325 | 22.377 | 22.346 |
| 86.0 | 15.587 | 15.639 | 15.691 | 15.773 | 15.867 | 15.949 | 16.022 | 16.094 | 16.136 | 16.136 |
| 86.5 | 12.223 | 12.244 | 12.275 | 12.306 | 12.337 | 12.379 | 12.410 | 12.430 | 12.451 | 12.451 |
| 87.0 | 10.381 | 10.371 | 10.360 | 10.350 | 10.340 | 10.329 | 10.329 | 10.319 | 10.309 | 10.309 |
| 87.5 | 8.590  | 8.590  | 8.590  | 8.601  | 8.611  | 8.622  | 8.632  | 8.642  | 8.642  | 8.653  |
| 88.0 | 7.348  | 7.369  | 7.390  | 7.421  | 7.452  | 7.493  | 7.524  | 7.555  | 7.576  | 7.587  |
| 88.5 | 6.727  | 6.748  | 6.759  | 6.779  | 6.800  | 6.810  | 6.831  | 6.841  | 6.862  | 6.862  |
| 89.0 | 6.520  | 6.531  | 6.541  | 6.541  | 6.531  | 6.520  | 6.520  | 6.510  | 6.510  | 6.520  |
| 89.5 | 6.510  | 6.520  | 6.520  | 6.520  | 6.510  | 6.500  | 6.489  | 6.479  | 6.479  | 6.479  |
| 90.0 | 6.779  | 6.779  | 6.779  | 6.779  | 6.779  | 6.779  | 6.769  | 6.769  | 6.769  | 6.769  |

**Vert.  
Angles**

**Horizontal Angles**

|      | <u>350.0</u> | <u>352.5</u> | <u>355.0</u> | <u>357.5</u> | <u>360.0</u> |
|------|--------------|--------------|--------------|--------------|--------------|
| 0.0  | 6999.280     | 6999.280     | 6999.280     | 6999.280     | 6999.280     |
| 0.5  | 6999.042     | 6999.094     | 6999.146     | 6999.198     | 6999.218     |
| 1.0  | 6998.266     | 6998.318     | 6998.370     | 6998.432     | 6998.452     |
| 1.5  | 6996.900     | 6996.890     | 6996.890     | 6996.879     | 6996.890     |
| 2.0  | 6995.068     | 6994.985     | 6994.913     | 6994.851     | 6994.820     |
| 2.5  | 6992.905     | 6992.812     | 6992.729     | 6992.646     | 6992.605     |
| 3.0  | 6990.338     | 6990.245     | 6990.162     | 6990.079     | 6990.038     |
| 3.5  | 6987.337     | 6987.254     | 6987.171     | 6987.088     | 6987.047     |
| 4.0  | 6983.880     | 6983.797     | 6983.724     | 6983.652     | 6983.611     |
| 4.5  | 6979.967     | 6979.885     | 6979.802     | 6979.729     | 6979.678     |
| 5.0  | 6975.506     | 6975.424     | 6975.331     | 6975.237     | 6975.186     |
| 5.5  | 6970.352     | 6970.249     | 6970.145     | 6970.042     | 6969.990     |
| 6.0  | 6964.660     | 6964.546     | 6964.432     | 6964.339     | 6964.287     |
| 6.5  | 6958.532     | 6958.450     | 6958.377     | 6958.305     | 6958.274     |
| 7.0  | 6951.960     | 6951.919     | 6951.877     | 6951.857     | 6951.836     |
| 7.5  | 6945.015     | 6944.984     | 6944.953     | 6944.922     | 6944.912     |
| 8.0  | 6937.625     | 6937.584     | 6937.543     | 6937.512     | 6937.501     |
| 8.5  | 6929.739     | 6929.687     | 6929.635     | 6929.594     | 6929.573     |
| 9.0  | 6921.345     | 6921.293     | 6921.241     | 6921.190     | 6921.169     |
| 9.5  | 6912.434     | 6912.382     | 6912.340     | 6912.299     | 6912.268     |
| 10.0 | 6903.005     | 6902.974     | 6902.943     | 6902.912     | 6902.891     |
| 10.5 | 6893.017     | 6893.017     | 6893.027     | 6893.027     | 6893.027     |
| 11.0 | 6882.563     | 6882.584     | 6882.605     | 6882.636     | 6882.646     |
| 11.5 | 6871.779     | 6871.758     | 6871.727     | 6871.706     | 6871.696     |
| 12.0 | 6860.466     | 6860.394     | 6860.321     | 6860.249     | 6860.218     |
| 12.5 | 6848.460     | 6848.408     | 6848.357     | 6848.305     | 6848.284     |
| 13.0 | 6835.813     | 6835.792     | 6835.761     | 6835.750     | 6835.740     |
| 13.5 | 6822.502     | 6822.461     | 6822.430     | 6822.399     | 6822.378     |
| 14.0 | 6808.592     | 6808.530     | 6808.468     | 6808.416     | 6808.385     |
| 14.5 | 6794.195     | 6794.112     | 6794.040     | 6793.967     | 6793.936     |
| 15.0 | 6779.126     | 6779.032     | 6778.950     | 6778.877     | 6778.836     |
| 15.5 | 6763.135     | 6763.052     | 6762.980     | 6762.917     | 6762.886     |
| 16.0 | 6746.564     | 6746.482     | 6746.409     | 6746.347     | 6746.316     |
| 16.5 | 6729.756     | 6729.632     | 6729.518     | 6729.415     | 6729.352     |
| 17.0 | 6712.430     | 6712.265     | 6712.109     | 6711.964     | 6711.882     |
| 17.5 | 6694.463     | 6694.297     | 6694.152     | 6694.007     | 6693.935     |
| 18.0 | 6675.843     | 6675.677     | 6675.512     | 6675.367     | 6675.284     |
| 18.5 | 6656.509     | 6656.230     | 6655.971     | 6655.733     | 6655.598     |
| 19.0 | 6636.544     | 6636.161     | 6635.819     | 6635.488     | 6635.323     |
| 19.5 | 6615.989     | 6615.637     | 6615.306     | 6615.006     | 6614.850     |
| 20.0 | 6594.906     | 6594.595     | 6594.326     | 6594.078     | 6593.954     |



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|
| 20.5 | 6573.419 | 6573.119 | 6572.860 | 6572.622 | 6572.509 |
| 21.0 | 6551.384 | 6551.105 | 6550.867 | 6550.660 | 6550.556 |
| 21.5 | 6528.666 | 6528.490 | 6528.345 | 6528.231 | 6528.179 |
| 22.0 | 6505.327 | 6505.254 | 6505.202 | 6505.182 | 6505.182 |
| 22.5 | 6481.366 | 6481.304 | 6481.284 | 6481.294 | 6481.315 |
| 23.0 | 6456.868 | 6456.785 | 6456.744 | 6456.754 | 6456.775 |
| 23.5 | 6431.945 | 6431.800 | 6431.707 | 6431.655 | 6431.645 |
| 24.0 | 6406.526 | 6406.329 | 6406.184 | 6406.081 | 6406.039 |
| 24.5 | 6380.516 | 6380.371 | 6380.268 | 6380.206 | 6380.185 |
| 25.0 | 6354.041 | 6353.948 | 6353.896 | 6353.885 | 6353.896 |
| 25.5 | 6327.276 | 6327.162 | 6327.089 | 6327.048 | 6327.038 |
| 26.0 | 6300.045 | 6299.900 | 6299.776 | 6299.683 | 6299.641 |
| 26.5 | 6272.214 | 6272.017 | 6271.851 | 6271.717 | 6271.655 |
| 27.0 | 6243.865 | 6243.617 | 6243.410 | 6243.234 | 6243.140 |
| 27.5 | 6215.082 | 6214.781 | 6214.523 | 6214.295 | 6214.181 |
| 28.0 | 6185.750 | 6185.419 | 6185.129 | 6184.860 | 6184.715 |
| 28.5 | 6155.755 | 6155.445 | 6155.155 | 6154.886 | 6154.752 |
| 29.0 | 6125.223 | 6124.933 | 6124.674 | 6124.426 | 6124.302 |
| 29.5 | 6094.245 | 6093.987 | 6093.749 | 6093.521 | 6093.407 |
| 30.0 | 6062.740 | 6062.502 | 6062.285 | 6062.078 | 6061.974 |
| 30.5 | 6030.624 | 6030.376 | 6030.138 | 6029.910 | 6029.796 |
| 31.0 | 5997.980 | 5997.721 | 5997.483 | 5997.266 | 5997.142 |
| 31.5 | 5964.881 | 5964.694 | 5964.519 | 5964.343 | 5964.249 |
| 32.0 | 5931.254 | 5931.171 | 5931.088 | 5931.016 | 5930.964 |
| 32.5 | 5897.016 | 5897.099 | 5897.171 | 5897.244 | 5897.275 |
| 33.0 | 5862.219 | 5862.457 | 5862.685 | 5862.902 | 5863.016 |
| 33.5 | 5826.812 | 5827.143 | 5827.464 | 5827.774 | 5827.930 |
| 34.0 | 5790.939 | 5791.353 | 5791.736 | 5792.098 | 5792.295 |
| 34.5 | 5754.817 | 5755.273 | 5755.707 | 5756.121 | 5756.349 |
| 35.0 | 5718.209 | 5718.706 | 5719.182 | 5719.638 | 5719.876 |
| 35.5 | 5680.949 | 5681.508 | 5682.036 | 5682.553 | 5682.823 |
| 36.0 | 5643.037 | 5643.627 | 5644.176 | 5644.714 | 5645.004 |
| 36.5 | 5604.411 | 5604.918 | 5605.384 | 5605.839 | 5606.088 |
| 37.0 | 5565.112 | 5565.505 | 5565.878 | 5566.240 | 5566.426 |
| 37.5 | 5525.089 | 5525.451 | 5525.792 | 5526.113 | 5526.279 |
| 38.0 | 5484.496 | 5484.848 | 5485.169 | 5485.469 | 5485.634 |
| 38.5 | 5443.479 | 5443.841 | 5444.162 | 5444.483 | 5444.648 |
| 39.0 | 5401.955 | 5402.307 | 5402.627 | 5402.928 | 5403.083 |
| 39.5 | 5359.903 | 5360.161 | 5360.389 | 5360.596 | 5360.710 |
| 40.0 | 5317.261 | 5317.426 | 5317.571 | 5317.695 | 5317.747 |
| 40.5 | 5273.987 | 5274.132 | 5274.246 | 5274.329 | 5274.370 |
| 41.0 | 5230.083 | 5230.238 | 5230.362 | 5230.455 | 5230.507 |
| 41.5 | 5185.567 | 5185.774 | 5185.971 | 5186.126 | 5186.209 |
| 42.0 | 5140.358 | 5140.627 | 5140.876 | 5141.114 | 5141.238 |
| 42.5 | 5094.373 | 5094.653 | 5094.912 | 5095.150 | 5095.284 |
| 43.0 | 5047.716 | 5047.943 | 5048.171 | 5048.388 | 5048.502 |
| 43.5 | 5000.375 | 5000.499 | 5000.623 | 5000.747 | 5000.820 |
| 44.0 | 4952.496 | 4952.516 | 4952.547 | 4952.589 | 4952.609 |
| 44.5 | 4904.306 | 4904.316 | 4904.347 | 4904.378 | 4904.399 |
| 45.0 | 4855.526 | 4855.588 | 4855.651 | 4855.723 | 4855.764 |
| 45.5 | 4805.857 | 4806.012 | 4806.167 | 4806.333 | 4806.426 |
| 46.0 | 4755.597 | 4755.846 | 4756.094 | 4756.342 | 4756.487 |
| 46.5 | 4705.058 | 4705.327 | 4705.586 | 4705.845 | 4705.990 |
| 47.0 | 4653.939 | 4654.209 | 4654.467 | 4654.716 | 4654.850 |
| 47.5 | 4601.972 | 4602.272 | 4602.552 | 4602.810 | 4602.945 |
| 48.0 | 4549.384 | 4549.705 | 4550.005 | 4550.284 | 4550.419 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|
| 48.5 | 4496.330 | 4496.692 | 4497.023 | 4497.323 | 4497.489 |
| 49.0 | 4442.696 | 4443.048 | 4443.358 | 4443.638 | 4443.793 |
| 49.5 | 4388.410 | 4388.555 | 4388.659 | 4388.752 | 4388.793 |
| 50.0 | 4333.566 | 4333.514 | 4333.452 | 4333.359 | 4333.307 |
| 50.5 | 4278.276 | 4278.297 | 4278.286 | 4278.255 | 4278.234 |
| 51.0 | 4222.396 | 4222.531 | 4222.645 | 4222.727 | 4222.758 |
| 51.5 | 4165.720 | 4165.896 | 4166.040 | 4166.165 | 4166.227 |
| 52.0 | 4108.494 | 4108.701 | 4108.888 | 4109.053 | 4109.147 |
| 52.5 | 4050.907 | 4051.218 | 4051.507 | 4051.766 | 4051.911 |
| 53.0 | 3992.875 | 3993.309 | 3993.713 | 3994.086 | 3994.293 |
| 53.5 | 3934.501 | 3935.101 | 3935.649 | 3936.177 | 3936.467 |
| 54.0 | 3875.381 | 3876.044 | 3876.675 | 3877.275 | 3877.607 |
| 54.5 | 3815.062 | 3815.538 | 3815.972 | 3816.355 | 3816.552 |
| 55.0 | 3753.665 | 3753.976 | 3754.204 | 3754.369 | 3754.431 |
| 55.5 | 3691.038 | 3691.421 | 3691.741 | 3691.990 | 3692.093 |
| 56.0 | 3627.644 | 3628.203 | 3628.689 | 3629.103 | 3629.300 |
| 56.5 | 3563.981 | 3564.674 | 3565.306 | 3565.885 | 3566.186 |
| 57.0 | 3499.935 | 3500.722 | 3501.446 | 3502.140 | 3502.512 |
| 57.5 | 3435.672 | 3436.376 | 3437.038 | 3437.690 | 3438.032 |
| 58.0 | 3370.943 | 3371.533 | 3372.082 | 3372.630 | 3372.920 |
| 58.5 | 3305.624 | 3306.152 | 3306.649 | 3307.135 | 3307.384 |
| 59.0 | 3239.508 | 3239.964 | 3240.388 | 3240.782 | 3240.999 |
| 59.5 | 3172.078 | 3172.399 | 3172.710 | 3172.989 | 3173.144 |
| 60.0 | 3104.099 | 3104.234 | 3104.348 | 3104.462 | 3104.513 |
| 60.5 | 3036.276 | 3036.090 | 3035.903 | 3035.717 | 3035.614 |
| 61.0 | 2968.297 | 2967.759 | 2967.252 | 2966.745 | 2966.465 |
| 61.5 | 2900.204 | 2899.366 | 2898.548 | 2897.731 | 2897.286 |
| 62.0 | 2831.615 | 2830.570 | 2829.555 | 2828.551 | 2827.993 |
| 62.5 | 2761.918 | 2760.956 | 2760.014 | 2759.082 | 2758.554 |
| 63.0 | 2691.776 | 2691.000 | 2690.244 | 2689.478 | 2689.054 |
| 63.5 | 2621.758 | 2621.179 | 2620.610 | 2620.020 | 2619.688 |
| 64.0 | 2551.503 | 2551.099 | 2550.695 | 2550.261 | 2550.023 |
| 64.5 | 2481.247 | 2480.947 | 2480.636 | 2480.295 | 2480.108 |
| 65.0 | 2409.708 | 2409.439 | 2409.159 | 2408.849 | 2408.662 |
| 65.5 | 2336.657 | 2336.399 | 2336.098 | 2335.757 | 2335.550 |
| 66.0 | 2259.105 | 2258.701 | 2258.266 | 2257.780 | 2257.490 |
| 66.5 | 2171.399 | 2170.457 | 2169.546 | 2168.646 | 2168.159 |
| 67.0 | 2081.199 | 2079.812 | 2078.528 | 2077.307 | 2076.665 |
| 67.5 | 1994.683 | 1993.555 | 1992.499 | 1991.495 | 1990.957 |
| 68.0 | 1910.589 | 1909.896 | 1909.233 | 1908.592 | 1908.240 |
| 68.5 | 1830.170 | 1829.714 | 1829.269 | 1828.814 | 1828.565 |
| 69.0 | 1752.069 | 1751.831 | 1751.593 | 1751.334 | 1751.189 |
| 69.5 | 1675.479 | 1675.520 | 1675.592 | 1675.675 | 1675.727 |
| 70.0 | 1600.027 | 1600.307 | 1600.617 | 1600.990 | 1601.197 |
| 70.5 | 1524.793 | 1525.124 | 1525.486 | 1525.880 | 1526.118 |
| 71.0 | 1450.677 | 1450.956 | 1451.246 | 1451.567 | 1451.743 |
| 71.5 | 1379.013 | 1379.075 | 1379.169 | 1379.303 | 1379.386 |
| 72.0 | 1307.629 | 1307.526 | 1307.474 | 1307.474 | 1307.484 |
| 72.5 | 1234.714 | 1234.796 | 1234.921 | 1235.097 | 1235.210 |
| 73.0 | 1160.545 | 1160.856 | 1161.177 | 1161.539 | 1161.746 |
| 73.5 | 1083.573 | 1083.842 | 1084.131 | 1084.432 | 1084.608 |
| 74.0 | 1007.614 | 1007.717 | 1007.842 | 1007.966 | 1008.038 |
| 74.5 | 936.830  | 936.551  | 936.313  | 936.106  | 936.002  |
| 75.0 | 868.644  | 868.075  | 867.578  | 867.144  | 866.916  |
| 75.5 | 801.814  | 801.494  | 801.245  | 801.080  | 801.018  |
| 76.0 | 736.516  | 736.485  | 736.537  | 736.661  | 736.754  |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|             |         |         |         |         |         |
|-------------|---------|---------|---------|---------|---------|
| <b>76.5</b> | 672.201 | 672.025 | 671.881 | 671.798 | 671.756 |
| <b>77.0</b> | 609.801 | 609.491 | 609.201 | 608.922 | 608.766 |
| <b>77.5</b> | 550.144 | 550.185 | 550.237 | 550.309 | 550.351 |
| <b>78.0</b> | 492.939 | 493.384 | 493.840 | 494.326 | 494.606 |
| <b>78.5</b> | 437.929 | 438.561 | 439.213 | 439.906 | 440.299 |
| <b>79.0</b> | 385.807 | 386.376 | 386.986 | 387.649 | 388.032 |
| <b>79.5</b> | 337.317 | 337.327 | 337.369 | 337.462 | 337.524 |
| <b>80.0</b> | 291.973 | 291.446 | 290.949 | 290.462 | 290.204 |
| <b>80.5</b> | 249.228 | 248.710 | 248.203 | 247.686 | 247.406 |
| <b>81.0</b> | 210.022 | 209.784 | 209.546 | 209.308 | 209.163 |
| <b>81.5</b> | 175.288 | 175.681 | 176.074 | 176.488 | 176.716 |
| <b>82.0</b> | 144.538 | 145.407 | 146.287 | 147.208 | 147.726 |
| <b>82.5</b> | 117.742 | 118.207 | 118.683 | 119.191 | 119.491 |
| <b>83.0</b> | 94.558  | 94.495  | 94.444  | 94.402  | 94.382  |
| <b>83.5</b> | 74.810  | 74.737  | 74.675  | 74.623  | 74.592  |
| <b>84.0</b> | 57.950  | 57.970  | 58.012  | 58.043  | 58.074  |
| <b>84.5</b> | 43.170  | 43.149  | 43.128  | 43.108  | 43.097  |
| <b>85.0</b> | 31.102  | 31.019  | 30.936  | 30.853  | 30.812  |
| <b>85.5</b> | 22.284  | 22.221  | 22.159  | 22.087  | 22.045  |
| <b>86.0</b> | 16.105  | 16.074  | 16.042  | 16.001  | 15.980  |
| <b>86.5</b> | 12.441  | 12.420  | 12.410  | 12.389  | 12.379  |
| <b>87.0</b> | 10.309  | 10.298  | 10.298  | 10.298  | 10.309  |
| <b>87.5</b> | 8.653   | 8.653   | 8.653   | 8.653   | 8.653   |
| <b>88.0</b> | 7.587   | 7.597   | 7.587   | 7.587   | 7.576   |
| <b>88.5</b> | 6.872   | 6.883   | 6.883   | 6.883   | 6.883   |
| <b>89.0</b> | 6.520   | 6.531   | 6.541   | 6.552   | 6.552   |
| <b>89.5</b> | 6.489   | 6.489   | 6.500   | 6.510   | 6.510   |
| <b>90.0</b> | 6.779   | 6.779   | 6.779   | 6.779   | 6.779   |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens   | %Lamp  | %Fixt  |
|---------|----------|--------|--------|
| 0-20    | 2577.64  | 13.20  | 13.20  |
| 0-30    | 5508.04  | 28.20  | 28.20  |
| 0-40    | 9084.68  | 46.50  | 46.50  |
| 0-60    | 16171.06 | 82.70  | 82.70  |
| 0-80    | 19469.74 | 99.60  | 99.60  |
| 0-90    | 19548.34 | 100.00 | 100.00 |
| 10-90   | 18884.82 | 96.60  | 96.60  |
| 20-40   | 6507.03  | 33.30  | 33.30  |
| 20-50   | 10249.14 | 52.40  | 52.40  |
| 40-70   | 9440.17  | 48.30  | 48.30  |
| 60-80   | 3298.68  | 16.90  | 16.90  |
| 70-80   | 944.89   | 4.80   | 4.80   |
| 80-90   | 78.61    | 0.40   | 0.40   |
| 90-110  | 0.00     | 0.00   | 0.00   |
| 90-120  | 0.00     | 0.00   | 0.00   |
| 90-130  | 0.00     | 0.00   | 0.00   |
| 90-150  | 0.00     | 0.00   | 0.00   |
| 90-180  | 0.00     | 0.00   | 0.00   |
| 110-180 | 0.00     | 0.00   | 0.00   |
| 0-180   | 19548.34 | 100.00 | 100.00 |

Total Luminaire Efficiency = 100.00%

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  |
|---------|---------|
| 0-10    | 663.53  |
| 10-20   | 1914.12 |
| 20-30   | 2930.4  |
| 30-40   | 3576.64 |
| 40-50   | 3742.1  |
| 50-60   | 3344.28 |
| 60-70   | 2353.78 |
| 70-80   | 944.89  |
| 80-90   | 78.61   |
| 90-100  | 0.00    |
| 100-110 | 0.00    |
| 110-120 | 0.00    |
| 120-130 | 0.00    |
| 130-140 | 0.00    |
| 140-150 | 0.00    |
| 150-160 | 0.00    |
| 160-170 | 0.00    |
| 170-180 | 0.00    |

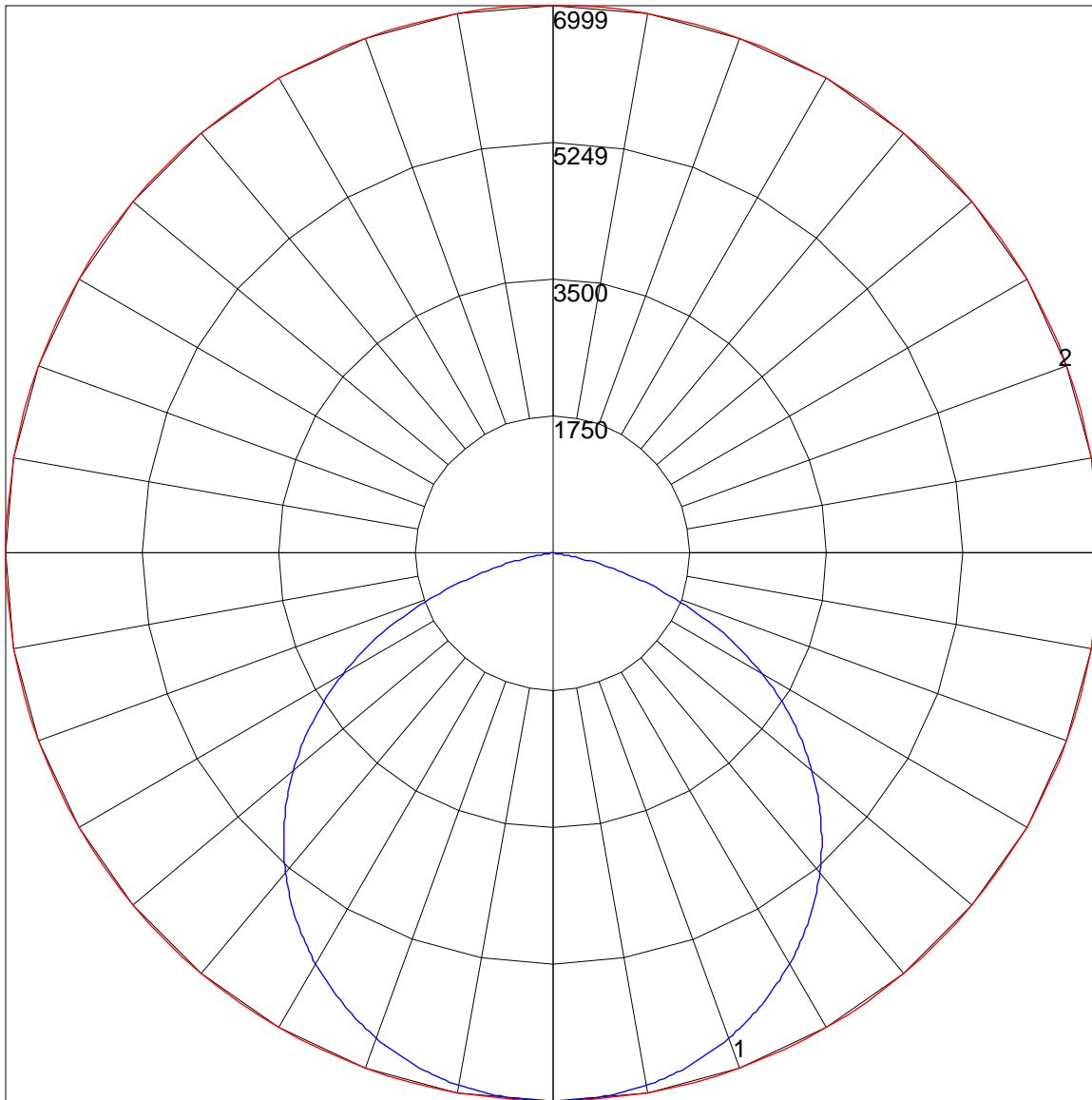
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTMOWT50VWD120-277V\_P.IES**

**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

| RC | 80  |     |     |     | 70  |     |     |     | 50  |     |     | 30  |     |     | 10  |     |     | 0   |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RW | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| 0  | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1  | 110 | 105 | 101 | 98  | 107 | 103 | 99  | 96  | 99  | 96  | 93  | 95  | 92  | 90  | 91  | 89  | 88  | 86  |
| 2  | 100 | 92  | 86  | 80  | 97  | 90  | 84  | 79  | 87  | 82  | 77  | 84  | 79  | 76  | 81  | 77  | 74  | 72  |
| 3  | 91  | 81  | 73  | 67  | 89  | 80  | 72  | 66  | 77  | 70  | 65  | 74  | 68  | 64  | 71  | 67  | 63  | 61  |
| 4  | 84  | 72  | 63  | 57  | 81  | 71  | 63  | 56  | 68  | 61  | 56  | 66  | 60  | 55  | 64  | 58  | 54  | 52  |
| 5  | 77  | 64  | 55  | 49  | 75  | 63  | 55  | 49  | 61  | 54  | 48  | 59  | 53  | 48  | 57  | 52  | 47  | 45  |
| 6  | 71  | 58  | 49  | 43  | 69  | 57  | 48  | 42  | 55  | 48  | 42  | 53  | 47  | 42  | 52  | 46  | 41  | 39  |
| 7  | 66  | 52  | 44  | 38  | 64  | 52  | 43  | 37  | 50  | 43  | 37  | 49  | 42  | 37  | 47  | 41  | 37  | 35  |
| 8  | 61  | 48  | 39  | 33  | 60  | 47  | 39  | 33  | 46  | 38  | 33  | 44  | 38  | 33  | 43  | 37  | 33  | 31  |
| 9  | 57  | 44  | 36  | 30  | 56  | 43  | 35  | 30  | 42  | 35  | 30  | 41  | 34  | 30  | 40  | 34  | 30  | 28  |
| 10 | 53  | 40  | 32  | 27  | 52  | 40  | 32  | 27  | 39  | 32  | 27  | 38  | 31  | 27  | 37  | 31  | 27  | 25  |

POLAR GRAPH



Maximum Candela = 6999.28 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0)