

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BX9604HTHO3K120-480V\_P.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] 4565  
[TESTLAB] TUV SUD America  
[ISSUEDATE] 8/28/2024 10:19:48 AM  
[MANUFAC] BEGHELLI NORTH AMERICA  
[LUMCAT] INDOOR LUMINAIRES / HIGH-BAY LUMINAIRE  
[LUMINAIRE] BX9604HTHO3K[120-480V] [CR; RW] [FP; REM; SP] [OS] [CC]  
[ AMBIENT] 24.5 deg C  
[ POWERFACTOR] 0.9977  
[ ATHD] 4.87%  
[ CURRENT] 0.67  
[ VOLTAGE] 120.28  
[ STABILIZATION] 47:55.8 Stable  
[ POWER VARIATION] 0.50%  
[ LIGHT VARIATION] 0.48%  
[ Lumens] 10386

**CHARACTERISTICS**

|                                 |                 |
|---------------------------------|-----------------|
| Lumens Per Lamp                 | N.A. (absolute) |
| Total Lamp Lumens               | N.A. (absolute) |
| Luminaire Lumens                | 10386           |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 130             |
| Total Luminaire Watts           | 80              |
| Ballast Factor                  | 1.00            |
| CIE Type                        | Direct          |
| Spacing Criterion (0-180)       | 1.28            |
| Spacing Criterion (90-270)      | 1.26            |
| Spacing Criterion (Diagonal)    | 1.34            |
| Basic Luminous Shape            | Rectangular     |
| Luminous Length (0-180)         | 4.00 ft         |
| Luminous Width (90-270)         | 0.42 ft         |
| Luminous Height                 | 0.00 ft         |

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

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 23579            | 22943             | 22529             |
| 55                  | 21478            | 20341             | 19593             |
| 65                  | 18552            | 16902             | 15505             |
| 75                  | 14716            | 12245             | 9090              |
| 85                  | 8056             | 4230              | 3655              |

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**CANDELA TABULATION**

|              | <u>0</u> | <u>10</u> | <u>20</u> | <u>30</u> | <u>40</u> | <u>50</u> | <u>60</u> | <u>70</u> | <u>80</u> | <u>90</u> |
|--------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>0.0</b>   | 4033.596 | 4033.596  | 4033.596  | 4033.596  | 4033.596  | 4033.596  | 4033.596  | 4033.596  | 4033.596  | 4033.596  |
| <b>2.5</b>   | 4033.273 | 4039.797  | 4037.853  | 4031.459  | 4014.783  | 4014.330  | 4027.508  | 4023.297  | 4025.101  | 4039.843  |
| <b>5.0</b>   | 4029.775 | 4031.885  | 4027.600  | 4022.769  | 4002.281  | 4002.161  | 4016.162  | 4009.841  | 4010.758  | 4028.100  |
| <b>7.5</b>   | 4010.480 | 4010.832  | 4009.212  | 4003.863  | 3982.292  | 3981.367  | 3996.155  | 3990.676  | 3991.500  | 4010.517  |
| <b>10.0</b>  | 3983.940 | 3986.679  | 3984.550  | 3978.850  | 3956.955  | 3954.688  | 3965.635  | 3962.017  | 3964.515  | 3981.441  |
| <b>12.5</b>  | 3948.580 | 3954.466  | 3951.939  | 3944.397  | 3923.761  | 3923.594  | 3932.043  | 3928.296  | 3928.184  | 3944.036  |
| <b>15.0</b>  | 3912.156 | 3912.850  | 3908.594  | 3903.032  | 3877.666  | 3881.572  | 3891.677  | 3886.782  | 3885.052  | 3900.107  |
| <b>17.5</b>  | 3868.524 | 3863.194  | 3858.391  | 3853.217  | 3827.417  | 3826.557  | 3841.150  | 3835.940  | 3832.822  | 3845.500  |
| <b>20.0</b>  | 3810.853 | 3808.021  | 3801.960  | 3791.494  | 3766.822  | 3769.460  | 3778.843  | 3774.623  | 3772.180  | 3780.463  |
| <b>22.5</b>  | 3738.959 | 3741.874  | 3736.765  | 3725.984  | 3699.786  | 3703.405  | 3707.717  | 3704.876  | 3702.155  | 3706.329  |
| <b>25.0</b>  | 3659.457 | 3662.437  | 3656.681  | 3648.315  | 3620.285  | 3630.020  | 3628.679  | 3624.958  | 3623.052  | 3623.293  |
| <b>27.5</b>  | 3571.951 | 3572.645  | 3568.009  | 3558.913  | 3528.680  | 3538.480  | 3538.433  | 3532.974  | 3533.224  | 3530.105  |
| <b>30.0</b>  | 3466.002 | 3467.289  | 3461.431  | 3451.039  | 3426.219  | 3430.069  | 3433.891  | 3424.248  | 3422.842  | 3424.887  |
| <b>32.5</b>  | 3341.860 | 3339.204  | 3335.040  | 3318.355  | 3293.351  | 3301.846  | 3307.509  | 3299.088  | 3295.766  | 3300.763  |
| <b>35.0</b>  | 3205.549 | 3200.367  | 3198.145  | 3179.425  | 3146.119  | 3156.826  | 3162.175  | 3153.587  | 3151.570  | 3164.489  |
| <b>37.5</b>  | 3062.584 | 3055.810  | 3051.229  | 3030.167  | 2998.564  | 3004.246  | 3000.332  | 2988.339  | 2988.663  | 3005.958  |
| <b>40.0</b>  | 2904.673 | 2903.415  | 2896.863  | 2876.976  | 2844.976  | 2841.459  | 2832.039  | 2817.260  | 2817.047  | 2829.022  |
| <b>42.5</b>  | 2737.435 | 2744.514  | 2732.540  | 2718.437  | 2679.505  | 2675.202  | 2665.781  | 2641.795  | 2642.591  | 2648.264  |
| <b>45.0</b>  | 2579.923 | 2582.209  | 2564.940  | 2551.966  | 2514.793  | 2505.706  | 2491.057  | 2465.164  | 2458.769  | 2464.960  |
| <b>47.5</b>  | 2413.545 | 2414.998  | 2399.211  | 2375.123  | 2345.010  | 2330.259  | 2315.203  | 2285.266  | 2274.883  | 2278.751  |
| <b>50.0</b>  | 2246.224 | 2246.779  | 2228.687  | 2200.287  | 2169.804  | 2154.637  | 2135.379  | 2109.412  | 2092.366  | 2098.141  |
| <b>52.5</b>  | 2081.252 | 2077.634  | 2056.711  | 2026.793  | 1989.943  | 1979.357  | 1956.592  | 1929.293  | 1913.329  | 1917.383  |
| <b>55.0</b>  | 1906.250 | 1904.353  | 1882.171  | 1852.919  | 1812.257  | 1798.367  | 1776.463  | 1752.347  | 1735.569  | 1738.956  |
| <b>57.5</b>  | 1728.073 | 1730.341  | 1708.779  | 1678.500  | 1635.265  | 1614.259  | 1597.139  | 1573.772  | 1558.559  | 1558.142  |
| <b>60.0</b>  | 1546.899 | 1555.209  | 1533.406  | 1503.081  | 1457.792  | 1439.996  | 1422.664  | 1394.532  | 1377.967  | 1376.533  |
| <b>62.5</b>  | 1376.477 | 1380.595  | 1357.793  | 1330.855  | 1285.917  | 1265.873  | 1248.318  | 1217.317  | 1198.069  | 1193.507  |
| <b>65.0</b>  | 1213.218 | 1210.294  | 1184.549  | 1157.972  | 1115.773  | 1094.869  | 1073.557  | 1041.269  | 1016.071  | 1013.942  |
| <b>67.5</b>  | 1046.868 | 1043.833  | 1015.710  | 991.066   | 950.737   | 928.232   | 901.145   | 872.439   | 845.973   | 845.233   |
| <b>70.0</b>  | 884.618  | 883.748   | 860.122   | 839.134   | 801.674   | 775.661   | 739.469   | 701.499   | 675.366   | 671.193   |
| <b>72.5</b>  | 738.432  | 732.417   | 710.189   | 690.043   | 650.427   | 621.323   | 582.678   | 541.174   | 514.245   | 509.840   |
| <b>75.0</b>  | 589.360  | 584.149   | 563.874   | 547.818   | 509.294   | 471.464   | 436.900   | 393.517   | 365.829   | 364.043   |
| <b>77.5</b>  | 446.561  | 445.256   | 427.683   | 414.329   | 375.240   | 335.911   | 297.146   | 255.484   | 238.938   | 239.336   |
| <b>80.0</b>  | 317.116  | 317.773   | 303.503   | 292.556   | 250.941   | 208.909   | 176.677   | 160.649   | 157.966   | 158.549   |
| <b>82.5</b>  | 204.412  | 204.393   | 194.214   | 182.008   | 137.440   | 108.531   | 105.847   | 100.387   | 99.101    | 99.619    |
| <b>85.0</b>  | 108.642  | 110.169   | 102.460   | 84.165    | 58.578    | 55.515    | 54.358    | 51.249    | 49.055    | 49.287    |
| <b>87.5</b>  | 39.931   | 42.365    | 35.619    | 25.985    | 18.415    | 12.808    | 12.891    | 11.928    | 11.901    | 12.058    |
| <b>90.0</b>  | 0.000    | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     |
| <b>92.5</b>  | 0.000    | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     |
| <b>95.0</b>  | 0.000    | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     |
| <b>97.5</b>  | 0.000    | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     |
| <b>100.0</b> | 0.000    | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     |
| <b>102.5</b> | 0.000    | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     |
| <b>105.0</b> | 0.000    | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     |
| <b>107.5</b> | 0.000    | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     |
| <b>110.0</b> | 0.000    | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     |
| <b>112.5</b> | 0.000    | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     |
| <b>115.0</b> | 0.000    | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     |
| <b>117.5</b> | 0.000    | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     |
| <b>120.0</b> | 0.000    | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     |
| <b>122.5</b> | 0.000    | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     |
| <b>125.0</b> | 0.000    | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     |
| <b>127.5</b> | 0.000    | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     |
| <b>130.0</b> | 0.000    | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     |
| <b>132.5</b> | 0.000    | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     |

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**CANDELA TABULATION - (Cont.)**

|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

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

|      | <u>100</u> | <u>110</u> | <u>120</u> | <u>130</u> | <u>140</u> | <u>150</u> | <u>160</u> | <u>170</u> | <u>180</u> | <u>190</u> |
|------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 0.0  | 4033.596   | 4033.596   | 4033.596   | 4033.596   | 4033.596   | 4033.596   | 4033.596   | 4033.596   | 4033.596   | 4033.596   |
| 2.5  | 4022.964   | 4022.140   | 4024.519   | 4014.728   | 4020.067   | 4033.310   | 4037.881   | 4038.714   | 4032.976   | 4038.714   |
| 5.0  | 4010.434   | 4011.813   | 4014.524   | 4005.714   | 4009.675   | 4023.297   | 4029.201   | 4030.941   | 4023.260   | 4030.941   |
| 7.5  | 3993.129   | 3994.730   | 3996.451   | 3986.688   | 3991.093   | 4005.594   | 4010.341   | 4011.544   | 4002.994   | 4011.544   |
| 10.0 | 3963.562   | 3964.543   | 3971.789   | 3962.119   | 3965.654   | 3981.228   | 3984.532   | 3986.031   | 3976.740   | 3986.031   |
| 12.5 | 3930.146   | 3934.005   | 3933.690   | 3926.241   | 3930.525   | 3943.268   | 3948.376   | 3952.291   | 3946.414   | 3952.291   |
| 15.0 | 3889.688   | 3890.317   | 3889.206   | 3884.311   | 3885.940   | 3900.172   | 3906.715   | 3906.021   | 3901.607   | 3906.021   |
| 17.5 | 3836.838   | 3838.837   | 3840.392   | 3832.109   | 3829.574   | 3847.239   | 3854.837   | 3853.532   | 3849.923   | 3853.532   |
| 20.0 | 3774.216   | 3778.852   | 3780.629   | 3778.251   | 3779.658   | 3793.798   | 3796.250   | 3795.130   | 3790.744   | 3795.130   |
| 22.5 | 3701.063   | 3708.846   | 3714.204   | 3711.900   | 3709.882   | 3722.977   | 3727.761   | 3724.966   | 3723.541   | 3724.966   |
| 25.0 | 3621.562   | 3630.631   | 3634.768   | 3633.454   | 3634.499   | 3643.605   | 3650.268   | 3645.169   | 3641.218   | 3645.169   |
| 27.5 | 3534.278   | 3539.572   | 3546.586   | 3546.873   | 3546.068   | 3555.146   | 3560.125   | 3559.209   | 3548.076   | 3559.209   |
| 30.0 | 3430.921   | 3431.180   | 3446.060   | 3445.394   | 3445.496   | 3457.396   | 3463.458   | 3463.744   | 3454.250   | 3463.744   |
| 32.5 | 3311.387   | 3310.794   | 3325.055   | 3333.578   | 3336.271   | 3337.918   | 3352.437   | 3348.199   | 3343.526   | 3348.199   |
| 35.0 | 3170.698   | 3170.818   | 3181.470   | 3192.880   | 3196.841   | 3200.727   | 3217.468   | 3207.288   | 3203.800   | 3207.288   |
| 37.5 | 3011.464   | 3016.147   | 3027.187   | 3036.210   | 3040.522   | 3044.834   | 3058.447   | 3052.154   | 3045.427   | 3052.154   |
| 40.0 | 2836.971   | 2842.403   | 2849.436   | 2869.823   | 2874.404   | 2873.284   | 2893.948   | 2884.388   | 2883.815   | 2884.388   |
| 42.5 | 2659.183   | 2661.080   | 2671.084   | 2695.265   | 2700.984   | 2700.206   | 2727.580   | 2713.856   | 2711.598   | 2713.856   |
| 45.0 | 2474.844   | 2478.582   | 2492.019   | 2510.536   | 2526.583   | 2529.488   | 2551.707   | 2544.850   | 2540.575   | 2544.850   |
| 47.5 | 2289.810   | 2296.297   | 2309.391   | 2332.869   | 2355.819   | 2353.098   | 2374.327   | 2372.901   | 2369.727   | 2372.901   |
| 50.0 | 2109.366   | 2116.705   | 2126.773   | 2156.959   | 2174.588   | 2174.070   | 2199.370   | 2198.278   | 2196.881   | 2198.278   |
| 52.5 | 1929.783   | 1938.815   | 1951.262   | 1975.340   | 1992.951   | 1995.274   | 2022.267   | 2021.629   | 2021.009   | 2021.629   |
| 55.0 | 1749.913   | 1757.575   | 1769.670   | 1794.073   | 1815.117   | 1816.125   | 1842.397   | 1841.962   | 1839.418   | 1841.962   |
| 57.5 | 1568.507   | 1576.475   | 1589.060   | 1612.963   | 1633.914   | 1636.348   | 1660.834   | 1661.926   | 1660.991   | 1661.926   |
| 60.0 | 1385.935   | 1400.177   | 1412.910   | 1435.675   | 1460.911   | 1458.551   | 1481.667   | 1484.554   | 1486.553   | 1484.554   |
| 62.5 | 1205.158   | 1224.591   | 1239.185   | 1262.357   | 1286.241   | 1281.901   | 1303.602   | 1310.875   | 1312.791   | 1310.875   |
| 65.0 | 1025.454   | 1045.758   | 1066.338   | 1089.992   | 1110.249   | 1111.100   | 1133.180   | 1141.203   | 1145.553   | 1141.203   |
| 67.5 | 856.254    | 873.300    | 898.147    | 921.375    | 944.472    | 944.741    | 971.365    | 976.269    | 978.897    | 976.269    |
| 70.0 | 685.277    | 705.257    | 731.825    | 769.887    | 794.336    | 792.253    | 815.213    | 820.080    | 823.412    | 820.080    |
| 72.5 | 524.693    | 548.013    | 573.119    | 616.242    | 644.800    | 645.652    | 662.411    | 669.879    | 672.794    | 669.879    |
| 75.0 | 377.813    | 400.763    | 428.951    | 469.169    | 505.583    | 506.333    | 521.315    | 525.711    | 527.293    | 525.711    |
| 77.5 | 247.350    | 261.379    | 293.713    | 334.282    | 371.733    | 376.934    | 390.334    | 391.231    | 392.962    | 391.231    |
| 80.0 | 161.529    | 163.666    | 173.901    | 207.604    | 247.193    | 258.622    | 270.689    | 269.458    | 271.050    | 269.458    |

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**CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |         |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 82.5  | 102.044 | 102.692 | 103.265 | 108.549 | 131.610 | 152.293 | 166.045 | 163.990 | 165.415 | 163.990 |
| 85.0  | 51.304  | 52.914  | 52.702  | 54.534  | 57.884  | 62.159  | 79.705  | 79.760  | 79.899  | 79.760  |
| 87.5  | 13.131  | 13.335  | 12.363  | 12.447  | 16.537  | 16.713  | 21.432  | 23.477  | 23.450  | 23.477  |
| 90.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 92.5  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 95.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 97.5  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 100.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 102.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 105.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 107.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 110.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 112.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 115.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 117.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 120.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 122.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 125.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 127.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 130.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 132.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 135.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 137.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 140.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 142.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 145.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 147.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 150.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 152.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 155.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 157.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 160.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 162.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 165.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 167.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 170.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 172.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 175.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 177.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 180.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |

**Vert.  
Angles**

**Horizontal Angles**

|      | <u>200</u> | <u>210</u> | <u>220</u> | <u>230</u> | <u>240</u> | <u>250</u> | <u>260</u> | <u>270</u> | <u>280</u> | <u>290</u> |
|------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 0.0  | 4033.596   | 4033.596   | 4033.596   | 4033.596   | 4033.596   | 4033.596   | 4033.596   | 4033.596   | 4033.596   | 4033.596   |
| 2.5  | 4037.881   | 4033.310   | 4020.067   | 4014.728   | 4024.519   | 4022.140   | 4022.964   | 4039.843   | 4025.101   | 4023.297   |
| 5.0  | 4029.201   | 4023.297   | 4009.675   | 4005.714   | 4014.524   | 4011.813   | 4010.434   | 4028.100   | 4010.758   | 4009.841   |
| 7.5  | 4010.341   | 4005.594   | 3991.093   | 3986.688   | 3996.451   | 3994.730   | 3993.129   | 4010.517   | 3991.500   | 3990.676   |
| 10.0 | 3984.532   | 3981.228   | 3965.654   | 3962.119   | 3971.789   | 3964.543   | 3963.562   | 3981.441   | 3964.515   | 3962.017   |
| 12.5 | 3948.376   | 3943.268   | 3930.525   | 3926.241   | 3933.690   | 3934.005   | 3930.146   | 3944.036   | 3928.184   | 3928.296   |
| 15.0 | 3906.715   | 3900.172   | 3885.940   | 3884.311   | 3889.206   | 3890.317   | 3889.688   | 3900.107   | 3885.052   | 3886.782   |
| 17.5 | 3854.837   | 3847.239   | 3829.574   | 3832.109   | 3840.392   | 3838.837   | 3836.838   | 3845.500   | 3832.822   | 3835.940   |
| 20.0 | 3796.250   | 3793.798   | 3779.658   | 3778.251   | 3780.629   | 3778.852   | 3774.216   | 3780.463   | 3772.180   | 3774.623   |
| 22.5 | 3727.761   | 3722.977   | 3709.882   | 3711.900   | 3714.204   | 3708.846   | 3701.063   | 3706.329   | 3702.155   | 3704.876   |
| 25.0 | 3650.268   | 3643.605   | 3634.499   | 3633.454   | 3634.768   | 3630.631   | 3621.562   | 3623.293   | 3623.052   | 3624.958   |
| 27.5 | 3560.125   | 3555.146   | 3546.068   | 3546.873   | 3546.586   | 3539.572   | 3534.278   | 3530.105   | 3533.224   | 3532.974   |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BX9604HTHO3K120-480V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|       |          |          |          |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 30.0  | 3463.458 | 3457.396 | 3445.496 | 3445.394 | 3446.060 | 3431.180 | 3430.921 | 3424.887 | 3422.842 | 3424.248 |
| 32.5  | 3352.437 | 3337.918 | 3336.271 | 3333.578 | 3325.055 | 3310.794 | 3311.387 | 3300.763 | 3295.766 | 3299.088 |
| 35.0  | 3217.468 | 3200.727 | 3196.841 | 3192.880 | 3181.470 | 3170.818 | 3170.698 | 3164.489 | 3151.570 | 3153.587 |
| 37.5  | 3058.447 | 3044.834 | 3040.522 | 3036.210 | 3027.187 | 3016.147 | 3011.464 | 3005.958 | 2988.663 | 2988.339 |
| 40.0  | 2893.948 | 2873.284 | 2874.404 | 2869.823 | 2849.436 | 2842.403 | 2836.971 | 2829.022 | 2817.047 | 2817.260 |
| 42.5  | 2727.580 | 2700.206 | 2700.984 | 2695.265 | 2671.084 | 2661.080 | 2659.183 | 2648.264 | 2642.591 | 2641.795 |
| 45.0  | 2551.707 | 2529.488 | 2526.583 | 2510.536 | 2492.019 | 2478.582 | 2474.844 | 2464.960 | 2458.769 | 2465.164 |
| 47.5  | 2374.327 | 2353.098 | 2355.819 | 2332.869 | 2309.391 | 2296.297 | 2289.810 | 2278.751 | 2274.883 | 2285.266 |
| 50.0  | 2199.370 | 2174.070 | 2174.588 | 2156.959 | 2126.773 | 2116.705 | 2109.366 | 2098.141 | 2092.366 | 2109.412 |
| 52.5  | 2022.267 | 1995.274 | 1992.951 | 1975.340 | 1951.262 | 1938.815 | 1929.783 | 1917.383 | 1913.329 | 1929.293 |
| 55.0  | 1842.397 | 1816.125 | 1815.117 | 1794.073 | 1769.670 | 1757.575 | 1749.913 | 1738.956 | 1735.569 | 1752.347 |
| 57.5  | 1660.834 | 1636.348 | 1633.914 | 1612.963 | 1589.060 | 1576.475 | 1568.507 | 1558.142 | 1558.559 | 1573.772 |
| 60.0  | 1481.667 | 1458.551 | 1460.911 | 1435.675 | 1412.910 | 1400.177 | 1385.935 | 1376.533 | 1377.967 | 1394.532 |
| 62.5  | 1303.602 | 1281.901 | 1286.241 | 1262.357 | 1239.185 | 1224.591 | 1205.158 | 1193.507 | 1198.069 | 1217.317 |
| 65.0  | 1133.180 | 1111.100 | 1110.249 | 1089.992 | 1066.338 | 1045.758 | 1025.454 | 1013.942 | 1016.071 | 1041.269 |
| 67.5  | 971.365  | 944.741  | 944.472  | 921.375  | 898.147  | 873.300  | 856.254  | 845.233  | 845.973  | 872.439  |
| 70.0  | 815.213  | 792.253  | 794.336  | 769.887  | 731.825  | 705.257  | 685.277  | 671.193  | 675.366  | 701.499  |
| 72.5  | 662.411  | 645.652  | 644.800  | 616.242  | 573.119  | 548.013  | 524.693  | 509.840  | 514.245  | 541.174  |
| 75.0  | 521.315  | 506.333  | 505.583  | 469.169  | 428.951  | 400.763  | 377.813  | 364.043  | 365.829  | 393.517  |
| 77.5  | 390.334  | 376.934  | 371.733  | 334.282  | 293.713  | 261.379  | 247.350  | 239.336  | 238.938  | 255.484  |
| 80.0  | 270.689  | 258.622  | 247.193  | 207.604  | 173.901  | 163.666  | 161.529  | 158.549  | 157.966  | 160.649  |
| 82.5  | 166.045  | 152.293  | 131.610  | 108.549  | 103.265  | 102.692  | 102.044  | 99.619   | 99.101   | 100.387  |
| 85.0  | 79.705   | 62.159   | 57.884   | 54.534   | 52.702   | 52.914   | 51.304   | 49.287   | 49.055   | 51.249   |
| 87.5  | 21.432   | 16.713   | 16.537   | 12.447   | 12.363   | 13.335   | 13.131   | 12.058   | 11.901   | 11.928   |
| 90.0  | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 92.5  | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 95.0  | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 97.5  | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 100.0 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 102.5 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 105.0 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 107.5 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 110.0 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 112.5 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 115.0 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 117.5 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 120.0 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 122.5 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 125.0 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 127.5 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 130.0 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 132.5 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 135.0 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 137.5 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 140.0 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 142.5 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 145.0 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 147.5 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 150.0 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 152.5 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 155.0 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 157.5 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 160.0 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 162.5 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 165.0 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 167.5 | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BX9604HTHO3K120-480V\_P.IES**

**CANDELA TABULATION - (Cont.)**

|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

**Vert. Horizontal Angles**

|       | <u>300</u> | <u>310</u> | <u>320</u> | <u>330</u> | <u>340</u> | <u>350</u> | <u>360</u> |
|-------|------------|------------|------------|------------|------------|------------|------------|
| 0.0   | 4033.596   | 4033.596   | 4033.596   | 4033.596   | 4033.596   | 4033.596   | 4033.596   |
| 2.5   | 4027.508   | 4014.330   | 4014.783   | 4031.459   | 4037.853   | 4039.797   | 4033.273   |
| 5.0   | 4016.162   | 4002.161   | 4002.281   | 4022.769   | 4027.600   | 4031.885   | 4029.775   |
| 7.5   | 3996.155   | 3981.367   | 3982.292   | 4003.863   | 4009.212   | 4010.832   | 4010.480   |
| 10.0  | 3965.635   | 3954.688   | 3956.955   | 3978.850   | 3984.550   | 3986.679   | 3983.940   |
| 12.5  | 3932.043   | 3923.594   | 3923.761   | 3944.397   | 3951.939   | 3954.466   | 3948.580   |
| 15.0  | 3891.677   | 3881.572   | 3877.666   | 3903.032   | 3908.594   | 3912.850   | 3912.156   |
| 17.5  | 3841.150   | 3826.557   | 3827.417   | 3853.217   | 3858.391   | 3863.194   | 3868.524   |
| 20.0  | 3778.843   | 3769.460   | 3766.822   | 3791.494   | 3801.960   | 3808.021   | 3810.853   |
| 22.5  | 3707.717   | 3703.405   | 3699.786   | 3725.984   | 3736.765   | 3741.874   | 3738.959   |
| 25.0  | 3628.679   | 3630.020   | 3620.285   | 3648.315   | 3656.681   | 3662.437   | 3659.457   |
| 27.5  | 3538.433   | 3538.480   | 3528.680   | 3558.913   | 3568.009   | 3572.645   | 3571.951   |
| 30.0  | 3433.891   | 3430.069   | 3426.219   | 3451.039   | 3461.431   | 3467.289   | 3466.002   |
| 32.5  | 3307.509   | 3301.846   | 3293.351   | 3318.355   | 3335.040   | 3339.204   | 3341.860   |
| 35.0  | 3162.175   | 3156.826   | 3146.119   | 3179.425   | 3198.145   | 3200.367   | 3205.549   |
| 37.5  | 3000.332   | 3004.246   | 2998.564   | 3030.167   | 3051.229   | 3055.810   | 3062.584   |
| 40.0  | 2832.039   | 2841.459   | 2844.976   | 2876.976   | 2896.863   | 2903.415   | 2904.673   |
| 42.5  | 2665.781   | 2675.202   | 2679.505   | 2718.437   | 2732.540   | 2744.514   | 2737.435   |
| 45.0  | 2491.057   | 2505.706   | 2514.793   | 2551.966   | 2564.940   | 2582.209   | 2579.923   |
| 47.5  | 2315.203   | 2330.259   | 2345.010   | 2375.123   | 2399.211   | 2414.998   | 2413.545   |
| 50.0  | 2135.379   | 2154.637   | 2169.804   | 2200.287   | 2228.687   | 2246.779   | 2246.224   |
| 52.5  | 1956.592   | 1979.357   | 1989.943   | 2026.793   | 2056.711   | 2077.634   | 2081.252   |
| 55.0  | 1776.463   | 1798.367   | 1812.257   | 1852.919   | 1882.171   | 1904.353   | 1906.250   |
| 57.5  | 1597.139   | 1614.259   | 1635.265   | 1678.500   | 1708.779   | 1730.341   | 1728.073   |
| 60.0  | 1422.664   | 1439.996   | 1457.792   | 1503.081   | 1533.406   | 1555.209   | 1546.899   |
| 62.5  | 1248.318   | 1265.873   | 1285.917   | 1330.855   | 1357.793   | 1380.595   | 1376.477   |
| 65.0  | 1073.557   | 1094.869   | 1115.773   | 1157.972   | 1184.549   | 1210.294   | 1213.218   |
| 67.5  | 901.145    | 928.232    | 950.737    | 991.066    | 1015.710   | 1043.833   | 1046.868   |
| 70.0  | 739.469    | 775.661    | 801.674    | 839.134    | 860.122    | 883.748    | 884.618    |
| 72.5  | 582.678    | 621.323    | 650.427    | 690.043    | 710.189    | 732.417    | 738.432    |
| 75.0  | 436.900    | 471.464    | 509.294    | 547.818    | 563.874    | 584.149    | 589.360    |
| 77.5  | 297.146    | 335.911    | 375.240    | 414.329    | 427.683    | 445.256    | 446.561    |
| 80.0  | 176.677    | 208.909    | 250.941    | 292.556    | 303.503    | 317.773    | 317.116    |
| 82.5  | 105.847    | 108.531    | 137.440    | 182.008    | 194.214    | 204.393    | 204.412    |
| 85.0  | 54.358     | 55.515     | 58.578     | 84.165     | 102.460    | 110.169    | 108.642    |
| 87.5  | 12.891     | 12.808     | 18.415     | 25.985     | 35.619     | 42.365     | 39.931     |
| 90.0  | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      |
| 92.5  | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      |
| 95.0  | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      |
| 97.5  | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      |
| 100.0 | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      |
| 102.5 | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      |
| 105.0 | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      |
| 107.5 | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      |
| 110.0 | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      |
| 112.5 | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      |
| 115.0 | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      |

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : BX9604HTHO3K120-480V\_P.IES

CANDELA TABULATION - (Cont.)

|       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 117.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BX9604HTHO3K120-480V\_P.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens   | %Lamp | %Fixt  |
|---------|----------|-------|--------|
| 0-20    | 1481.57  | N.A.  | 14.30  |
| 0-30    | 3156.45  | N.A.  | 30.40  |
| 0-40    | 5140.67  | N.A.  | 49.50  |
| 0-60    | 8693.91  | N.A.  | 83.70  |
| 0-80    | 10295.26 | N.A.  | 99.10  |
| 0-90    | 10386.31 | N.A.  | 100.00 |
| 10-90   | 10004.28 | N.A.  | 96.30  |
| 20-40   | 3659.1   | N.A.  | 35.20  |
| 20-50   | 5598.16  | N.A.  | 53.90  |
| 40-70   | 4645.63  | N.A.  | 44.70  |
| 60-80   | 1601.35  | N.A.  | 15.40  |
| 70-80   | 508.96   | N.A.  | 4.90   |
| 80-90   | 91.05    | N.A.  | 0.90   |
| 90-110  | 0.00     | N.A.  | 0.00   |
| 90-120  | 0.00     | N.A.  | 0.00   |
| 90-130  | 0.00     | N.A.  | 0.00   |
| 90-150  | 0.00     | N.A.  | 0.00   |
| 90-180  | 0.00     | N.A.  | 0.00   |
| 110-180 | 0.00     | N.A.  | 0.00   |
| 0-180   | 10386.31 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  |
|---------|---------|
| 0-10    | 382.03  |
| 10-20   | 1099.53 |
| 20-30   | 1674.88 |
| 30-40   | 1984.22 |
| 40-50   | 1939.07 |
| 50-60   | 1614.18 |
| 60-70   | 1092.39 |
| 70-80   | 508.96  |
| 80-90   | 91.05   |
| 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 : BX9604HTHO3K120-480V\_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  | 93  | 90  | 91  | 89  | 88  | 86  |
| 2  | 100 | 93  | 86  | 81  | 98  | 91  | 85  | 80  | 87  | 82  | 78  | 84  | 80  | 76  | 81  | 78  | 75  | 72  |
| 3  | 92  | 82  | 74  | 68  | 89  | 80  | 73  | 67  | 77  | 71  | 66  | 75  | 69  | 65  | 72  | 68  | 64  | 62  |
| 4  | 84  | 73  | 64  | 58  | 82  | 72  | 64  | 58  | 69  | 62  | 57  | 67  | 61  | 56  | 65  | 60  | 55  | 53  |
| 5  | 78  | 65  | 57  | 50  | 76  | 64  | 56  | 50  | 62  | 55  | 49  | 60  | 54  | 49  | 58  | 53  | 48  | 46  |
| 6  | 72  | 59  | 50  | 44  | 70  | 58  | 50  | 44  | 56  | 49  | 44  | 55  | 48  | 43  | 53  | 47  | 43  | 41  |
| 7  | 67  | 54  | 45  | 39  | 65  | 53  | 45  | 39  | 51  | 44  | 39  | 50  | 43  | 38  | 48  | 43  | 38  | 36  |
| 8  | 62  | 49  | 41  | 35  | 61  | 48  | 40  | 35  | 47  | 40  | 35  | 46  | 39  | 34  | 45  | 39  | 34  | 32  |
| 9  | 58  | 45  | 37  | 32  | 57  | 44  | 37  | 31  | 43  | 36  | 31  | 42  | 36  | 31  | 41  | 35  | 31  | 29  |
| 10 | 55  | 42  | 34  | 29  | 53  | 41  | 34  | 29  | 40  | 33  | 28  | 39  | 33  | 28  | 38  | 32  | 28  | 26  |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BX9604HTHO3K120-480V\_P.IES**

**UGR TABLE - CORRECTED**

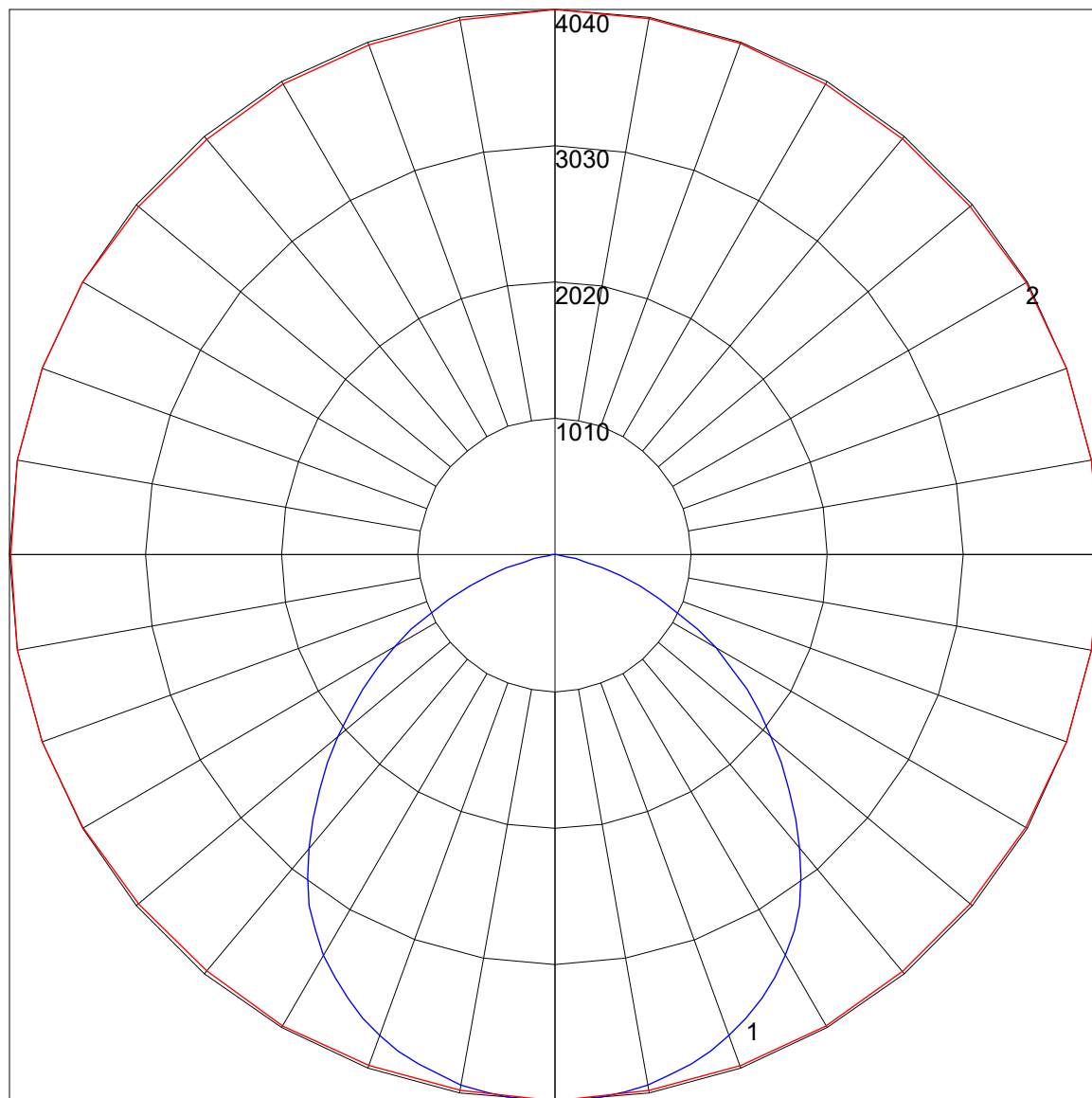
Reflectances

|                |    |    |    |    |    |    |    |    |    |    |
|----------------|----|----|----|----|----|----|----|----|----|----|
| Ceiling Cavity | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| Walls          | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| Floor Cavity   | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

| Room Size |      | UGR Viewed Crosswise |      |      |      |      | UGR Viewed Endwise |      |      |      |      |
|-----------|------|----------------------|------|------|------|------|--------------------|------|------|------|------|
| X=2H      | Y=2H | 22.7                 | 24.3 | 23.1 | 24.6 | 24.9 | 22.1               | 23.7 | 22.5 | 24.0 | 24.3 |
|           | 3H   | 24.3                 | 25.7 | 24.6 | 26.0 | 26.4 | 23.3               | 24.8 | 23.7 | 25.1 | 25.5 |
|           | 4H   | 24.8                 | 26.1 | 25.2 | 26.5 | 26.9 | 23.6               | 25.0 | 24.0 | 25.3 | 25.7 |
|           | 6H   | 25.2                 | 26.4 | 25.6 | 26.8 | 27.1 | 23.7               | 25.0 | 24.2 | 25.3 | 25.7 |
|           | 8H   | 25.3                 | 26.4 | 25.7 | 26.8 | 27.2 | 23.8               | 24.9 | 24.2 | 25.3 | 25.7 |
|           | 12H  | 25.3                 | 26.4 | 25.7 | 26.8 | 27.2 | 23.8               | 24.9 | 24.2 | 25.3 | 25.7 |
| 4H        | 2H   | 23.2                 | 24.5 | 23.6 | 24.8 | 25.2 | 22.7               | 24.0 | 23.1 | 24.4 | 24.7 |
|           | 3H   | 24.9                 | 26.0 | 25.3 | 26.4 | 26.8 | 24.1               | 25.2 | 24.5 | 25.6 | 26.0 |
|           | 4H   | 25.6                 | 26.6 | 26.0 | 27.0 | 27.4 | 24.5               | 25.5 | 24.9 | 25.9 | 26.3 |
|           | 6H   | 26.0                 | 26.9 | 26.5 | 27.4 | 27.8 | 24.6               | 25.5 | 25.1 | 26.0 | 26.4 |
|           | 8H   | 26.2                 | 27.0 | 26.6 | 27.4 | 27.9 | 24.7               | 25.5 | 25.1 | 25.9 | 26.4 |
|           | 12H  | 26.2                 | 27.0 | 26.7 | 27.4 | 27.9 | 24.7               | 25.4 | 25.1 | 25.9 | 26.3 |
| 8H        | 4H   | 25.7                 | 26.5 | 26.2 | 27.0 | 27.5 | 24.7               | 25.5 | 25.2 | 26.0 | 26.4 |
|           | 6H   | 26.3                 | 26.9 | 26.8 | 27.4 | 27.9 | 24.9               | 25.6 | 25.4 | 26.1 | 26.6 |
|           | 8H   | 26.4                 | 27.0 | 27.0 | 27.5 | 28.0 | 25.0               | 25.6 | 25.5 | 26.1 | 26.5 |
|           | 12H  | 26.5                 | 27.1 | 27.1 | 27.6 | 28.1 | 25.0               | 25.5 | 25.5 | 26.0 | 26.6 |
| 12H       | 4H   | 25.7                 | 26.4 | 26.2 | 26.9 | 27.4 | 24.7               | 25.5 | 25.2 | 25.9 | 26.4 |
|           | 6H   | 26.3                 | 26.9 | 26.8 | 27.3 | 27.9 | 24.9               | 25.5 | 25.5 | 26.0 | 26.5 |
|           | 8H   | 26.4                 | 27.0 | 27.0 | 27.5 | 28.0 | 25.0               | 25.5 | 25.5 | 26.0 | 26.6 |

Maximum UGR = 28.1

POLAR GRAPH



Maximum Candela = 4039.843 Located At Horizontal Angle = 90, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)