



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BL736LEDHTLOTIIIWT40120-277V-P.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] 3897  
 [TESTLAB] TUV SUD America  
 [ISSUEDATE] 6/10/2020 10:54:53 AM  
 [MANUFAC] BEGHELLI NORTH AMERICA  
 [LUMCAT] BL736LEDHTLOTIIIWT40120-277V-P  
 [LUMINAIRE] 8151-1

### CHARACTERISTICS

|                                 |                     |
|---------------------------------|---------------------|
| Lumens Per Lamp                 | N.A. (absolute)     |
| Total Lamp Lumens               | N.A. (absolute)     |
| Luminaire Lumens                | 19848               |
| Total Luminaire Efficiency      | N.A.                |
| Luminaire Efficacy Rating (LER) | 132                 |
| Total Luminaire Watts           | 150                 |
| Ballast Factor                  | 1.00                |
| CIE Type                        | Direct              |
| Spacing Criterion (0-180)       | 2.50                |
| Spacing Criterion (90-270)      | 1.06                |
| Spacing Criterion (Diagonal)    | 1.12                |
| Basic Luminous Shape            | Rectangular w/Sides |
| Luminous Length (0-180)         | 1.33 ft             |
| Luminous Width (90-270)         | 1.33 ft             |
| Luminous Height                 | 0.33 ft             |

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

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 121701           | 50801             | 16551             |
| 55                  | 147890           | 50926             | 1414              |
| 65                  | 120536           | 34563             | 690               |
| 75                  | 5844             | 4712              | 478               |
| 85                  | 1384             | 505               | 128               |

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**CANDELA TABULATION**

|              | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> | <u>112.5</u> | <u>135.0</u> | <u>157.5</u> | <u>180.0</u> | <u>202.5</u> |
|--------------|------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|
| <b>0.0</b>   | 9005.801   | 9005.801    | 9005.801    | 9005.801    | 9005.801    | 9005.801     | 9005.801     | 9005.801     | 9005.801     | 9005.801     |
| <b>2.5</b>   | 10168.061  | 10543.490   | 10266.919   | 99530.383   | 9165.807    | 8553.023     | 7874.244     | 7534.594     | 7224.287     | 7534.594     |
| <b>5.0</b>   | 11803.504  | 12126.413   | 11301.326   | 10360.989   | 9034.775    | 7605.793     | 7025.584     | 6368.045     | 5831.171     | 6368.045     |
| <b>7.5</b>   | 12787.638  | 12824.528   | 12432.050   | 10791.120   | 8894.591    | 7121.092     | 5917.974     | 4906.220     | 3899.716     | 4906.220     |
| <b>10.0</b>  | 12564.080  | 12532.807   | 12530.232   | 11223.038   | 8827.163    | 6755.267     | 4819.443     | 3165.380     | 2106.309     | 3165.380     |
| <b>12.5</b>  | 12213.794  | 12141.281   | 12336.719   | 11797.230   | 8621.338    | 6011.038     | 3447.043     | 1814.430     | 1431.537     | 1814.430     |
| <b>15.0</b>  | 11901.082  | 11771.706   | 12015.597   | 11822.709   | 8248.405    | 5209.557     | 2266.709     | 1446.615     | 1479.853     | 1446.615     |
| <b>17.5</b>  | 11679.726  | 11502.073   | 11514.878   | 11590.774   | 8054.630    | 4691.880     | 1574.533     | 1508.485     | 1614.479     | 1508.485     |
| <b>20.0</b>  | 11484.472  | 11184.814   | 10979.915   | 11142.786   | 7454.585    | 3674.410     | 1377.650     | 1699.744     | 2060.779     | 1699.744     |
| <b>22.5</b>  | 11199.997  | 10915.674   | 10557.826   | 10315.314   | 7270.599    | 2815.554     | 1361.074     | 2002.569     | 2110.238     | 2002.569     |
| <b>25.0</b>  | 11582.115  | 10997.109   | 10022.837   | 10025.288   | 6649.129    | 2287.030     | 1483.204     | 2062.698     | 2071.836     | 2062.698     |
| <b>27.5</b>  | 12231.553  | 11664.562   | 9600.971    | 9051.430    | 6531.855    | 1621.463     | 1555.605     | 2008.469     | 1904.479     | 2008.469     |
| <b>30.0</b>  | 12031.910  | 11741.911   | 9085.259    | 8527.466    | 5821.848    | 1256.946     | 1597.916     | 1859.632     | 1900.826     | 1859.632     |
| <b>32.5</b>  | 11618.138  | 11130.605   | 8827.314    | 7926.101    | 5438.554    | 1161.622     | 1532.117     | 1819.837     | 1640.450     | 1819.837     |
| <b>35.0</b>  | 11810.055  | 10529.200   | 8590.413    | 7181.319    | 4872.194    | 1085.055     | 1428.982     | 1624.045     | 1504.826     | 1624.045     |
| <b>37.5</b>  | 13973.641  | 11467.580   | 7961.986    | 6255.586    | 4218.249    | 1018.376     | 1378.938     | 1396.302     | 1112.058     | 1396.302     |
| <b>40.0</b>  | 16806.244  | 13956.710   | 7722.707    | 5393.674    | 3556.919    | 932.933      | 1225.384     | 1099.338     | 1074.983     | 1099.338     |
| <b>42.5</b>  | 19029.328  | 16251.519   | 7570.920    | 4604.111    | 3071.508    | 816.368      | 1132.248     | 966.164      | 927.191      | 966.164      |
| <b>45.0</b>  | 17667.571  | 16322.042   | 7982.110    | 4097.525    | 2402.794    | 689.784      | 959.148      | 863.285      | 882.653      | 863.285      |
| <b>47.5</b>  | 19630.740  | 16350.096   | 8543.681    | 3188.500    | 1393.175    | 589.079      | 801.468      | 803.853      | 857.694      | 803.853      |
| <b>50.0</b>  | 17949.450  | 16268.503   | 8554.311    | 2004.126    | 782.822     | 407.471      | 648.426      | 759.236      | 670.810      | 759.236      |
| <b>52.5</b>  | 18908.348  | 15408.772   | 8072.066    | 1120.198    | 339.104     | 279.567      | 555.967      | 597.581      | 456.733      | 597.581      |
| <b>55.0</b>  | 18897.377  | 15556.827   | 7212.559    | 538.793     | 180.741     | 180.833      | 496.679      | 404.088      | 340.773      | 404.088      |
| <b>57.5</b>  | 17467.140  | 14500.168   | 6146.925    | 323.007     | 126.840     | 120.211      | 398.201      | 297.818      | 333.250      | 297.818      |
| <b>60.0</b>  | 15161.399  | 12772.376   | 5498.840    | 241.290     | 100.856     | 87.710       | 286.590      | 274.278      | 338.434      | 274.278      |
| <b>62.5</b>  | 14729.500  | 11828.273   | 4948.800    | 183.106     | 85.463      | 68.972       | 188.822      | 265.375      | 275.736      | 265.375      |
| <b>65.0</b>  | 12837.760  | 10489.196   | 4210.700    | 137.799     | 73.479      | 57.862       | 123.352      | 210.214      | 166.300      | 210.214      |
| <b>67.5</b>  | 8434.711   | 7708.529    | 3403.549    | 108.379     | 63.880      | 46.824       | 97.551       | 124.909      | 59.892       | 124.909      |
| <b>70.0</b>  | 2531.566   | 2939.444    | 2505.075    | 87.381      | 55.319      | 36.864       | 75.233       | 48.033       | 37.935       | 48.033       |
| <b>72.5</b>  | 1054.846   | 996.229     | 1213.834    | 70.095      | 47.882      | 29.512       | 43.888       | 29.736       | 34.985       | 29.736       |
| <b>75.0</b>  | 479.203    | 411.137     | 463.316     | 56.647      | 39.210      | 22.706       | 22.331       | 25.846       | 31.523       | 25.846       |
| <b>77.5</b>  | 258.470    | 216.922     | 171.628     | 43.947      | 30.229      | 16.425       | 14.966       | 20.222       | 21.109       | 20.222       |
| <b>80.0</b>  | 169.953    | 144.731     | 94.858      | 32.324      | 21.589      | 11.550       | 10.328       | 12.864       | 12.720       | 12.864       |
| <b>82.5</b>  | 117.097    | 95.968      | 61.600      | 21.760      | 13.652      | 7.188        | 6.104        | 6.846        | 6.386        | 6.846        |
| <b>85.0</b>  | 76.120     | 57.067      | 36.286      | 12.358      | 7.056       | 3.469        | 3.009        | 3.140        | 2.424        | 3.140        |
| <b>87.5</b>  | 41.312     | 27.640      | 16.313      | 4.422       | 1.978       | 0.723        | 0.552        | 0.447        | 0.000        | 0.447        |
| <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>225.0</u> | <u>247.5</u> | <u>270.0</u> | <u>292.5</u> | <u>315.0</u> | <u>337.5</u> | <u>360.0</u> |
|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0  | 9005.801     | 9005.801     | 9005.801     | 9005.801     | 9005.801     | 9005.801     | 9005.801     |
| 2.5  | 7874.244     | 8553.023     | 9165.807     | 9530.383     | 10266.919    | 10543.490    | 10168.061    |
| 5.0  | 7025.584     | 7605.793     | 9034.775     | 10360.989    | 11301.326    | 12126.413    | 11803.504    |
| 7.5  | 5917.974     | 7121.092     | 8894.591     | 10791.120    | 12432.050    | 12824.528    | 12787.638    |
| 10.0 | 4819.443     | 6755.267     | 8827.163     | 11223.038    | 12530.232    | 12532.807    | 12564.080    |
| 12.5 | 3447.043     | 6011.038     | 8621.338     | 11797.230    | 12336.719    | 12141.281    | 12213.794    |
| 15.0 | 2266.709     | 5209.557     | 8248.405     | 11822.709    | 12015.597    | 11771.706    | 11901.082    |
| 17.5 | 1574.533     | 4691.880     | 8054.630     | 11590.774    | 11514.878    | 11502.073    | 11679.726    |
| 20.0 | 1377.650     | 3674.410     | 7454.585     | 11142.786    | 10979.915    | 11184.814    | 11484.472    |
| 22.5 | 1361.074     | 2815.554     | 7270.599     | 10315.314    | 10557.826    | 10915.674    | 11199.997    |
| 25.0 | 1483.204     | 2287.030     | 6649.129     | 10025.288    | 10022.837    | 10997.109    | 11582.115    |
| 27.5 | 1555.605     | 1621.463     | 6531.855     | 9051.430     | 9600.971     | 11664.562    | 12231.553    |
| 30.0 | 1597.916     | 1256.946     | 5821.848     | 8527.466     | 9085.259     | 11741.911    | 12031.910    |
| 32.5 | 1532.117     | 1161.622     | 5438.554     | 7926.101     | 8827.314     | 11130.605    | 11618.138    |
| 35.0 | 1428.982     | 1085.055     | 4872.194     | 7181.319     | 8590.413     | 10529.200    | 11810.055    |
| 37.5 | 1378.938     | 1018.376     | 4218.249     | 6255.586     | 7961.986     | 11467.580    | 13973.641    |
| 40.0 | 1225.384     | 932.933      | 3556.919     | 5393.674     | 7722.707     | 13956.710    | 16806.244    |
| 42.5 | 1132.248     | 816.368      | 3071.508     | 4604.111     | 7570.920     | 16251.519    | 19029.328    |
| 45.0 | 959.148      | 689.784      | 2402.794     | 4097.525     | 7982.110     | 16322.042    | 17667.571    |
| 47.5 | 801.468      | 589.079      | 1393.175     | 3188.500     | 8543.681     | 16350.096    | 19630.740    |
| 50.0 | 648.426      | 407.471      | 782.822      | 2004.126     | 8554.311     | 16268.503    | 17949.450    |
| 52.5 | 555.967      | 279.567      | 339.104      | 1120.198     | 8072.066     | 15408.772    | 18908.348    |
| 55.0 | 496.679      | 180.833      | 180.741      | 538.793      | 7212.559     | 15556.827    | 18897.377    |
| 57.5 | 398.201      | 120.211      | 126.840      | 323.007      | 6146.925     | 14500.168    | 17467.140    |
| 60.0 | 286.590      | 87.710       | 100.856      | 241.290      | 5498.840     | 12772.376    | 15161.399    |
| 62.5 | 188.822      | 68.972       | 85.463       | 183.106      | 4948.800     | 11828.273    | 14729.500    |
| 65.0 | 123.352      | 57.862       | 73.479       | 137.799      | 4210.700     | 10489.196    | 12837.760    |
| 67.5 | 97.551       | 46.824       | 63.880       | 108.379      | 3403.549     | 7708.529     | 8434.711     |
| 70.0 | 75.233       | 36.864       | 55.319       | 87.381       | 2505.075     | 2939.444     | 2531.566     |
| 72.5 | 43.888       | 29.512       | 47.882       | 70.095       | 1213.834     | 996.229      | 1054.846     |
| 75.0 | 22.331       | 22.706       | 39.210       | 56.647       | 463.316      | 411.137      | 479.203      |
| 77.5 | 14.966       | 16.425       | 30.229       | 43.947       | 171.628      | 216.922      | 258.470      |
| 80.0 | 10.328       | 11.550       | 21.589       | 32.324       | 94.858       | 144.731      | 169.953      |

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**CANDELA TABULATION - (Cont.)**

|       |       |       |        |        |        |        |         |
|-------|-------|-------|--------|--------|--------|--------|---------|
| 82.5  | 6.104 | 7.188 | 13.652 | 21.760 | 61.600 | 95.968 | 117.097 |
| 85.0  | 3.009 | 3.469 | 7.056  | 12.358 | 36.286 | 57.067 | 76.120  |
| 87.5  | 0.552 | 0.723 | 1.978  | 4.422  | 16.313 | 27.640 | 41.312  |
| 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   |
| 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 : BL736LEDHTLOTIIIWT40120-277V-P.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens   | %Lamp | %Fixt  |
|---------|----------|-------|--------|
| 0-20    | 2951.32  | N.A.  | 14.90  |
| 0-30    | 5860.71  | N.A.  | 29.50  |
| 0-40    | 9239.72  | N.A.  | 46.60  |
| 0-60    | 17083.33 | N.A.  | 86.10  |
| 0-80    | 19823.52 | N.A.  | 99.90  |
| 0-90    | 19847.97 | N.A.  | 100.00 |
| 10-90   | 19002.67 | N.A.  | 95.70  |
| 20-40   | 6288.4   | N.A.  | 31.70  |
| 20-50   | 10389.04 | N.A.  | 52.30  |
| 40-70   | 10300.64 | N.A.  | 51.90  |
| 60-80   | 2740.19  | N.A.  | 13.80  |
| 70-80   | 283.16   | N.A.  | 1.40   |
| 80-90   | 24.45    | N.A.  | 0.10   |
| 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   | 19847.97 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  |
|---------|---------|
| 0-10    | 845.30  |
| 10-20   | 2106.03 |
| 20-30   | 2909.38 |
| 30-40   | 3379.01 |
| 40-50   | 4100.65 |
| 50-60   | 3742.97 |
| 60-70   | 2457.03 |
| 70-80   | 283.16  |
| 80-90   | 24.45   |
| 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 : BL736LEDHTLOTIIIWT40120-277V-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 | 106 | 103 | 99  | 108 | 104 | 101 | 98  | 100 | 97  | 95  | 96  | 94  | 92  | 92  | 91  | 89  | 87  |
| 2  | 101 | 94  | 87  | 82  | 98  | 92  | 86  | 81  | 88  | 83  | 79  | 85  | 81  | 78  | 82  | 79  | 76  | 74  |
| 3  | 92  | 83  | 75  | 69  | 90  | 81  | 74  | 68  | 78  | 72  | 67  | 75  | 70  | 66  | 73  | 69  | 65  | 63  |
| 4  | 85  | 73  | 65  | 59  | 82  | 72  | 64  | 58  | 70  | 63  | 57  | 67  | 61  | 57  | 65  | 60  | 56  | 54  |
| 5  | 78  | 66  | 57  | 51  | 76  | 64  | 56  | 50  | 62  | 55  | 50  | 60  | 54  | 49  | 59  | 53  | 49  | 47  |
| 6  | 72  | 59  | 50  | 44  | 70  | 58  | 50  | 44  | 56  | 49  | 44  | 55  | 48  | 43  | 53  | 47  | 43  | 41  |
| 7  | 67  | 53  | 45  | 39  | 65  | 53  | 45  | 39  | 51  | 44  | 39  | 50  | 43  | 38  | 48  | 42  | 38  | 36  |
| 8  | 62  | 49  | 40  | 35  | 60  | 48  | 40  | 35  | 47  | 40  | 34  | 46  | 39  | 34  | 44  | 38  | 34  | 32  |
| 9  | 58  | 45  | 37  | 31  | 57  | 44  | 36  | 31  | 43  | 36  | 31  | 42  | 36  | 31  | 41  | 35  | 31  | 29  |
| 10 | 54  | 41  | 34  | 28  | 53  | 41  | 33  | 28  | 40  | 33  | 28  | 39  | 33  | 28  | 38  | 32  | 28  | 26  |

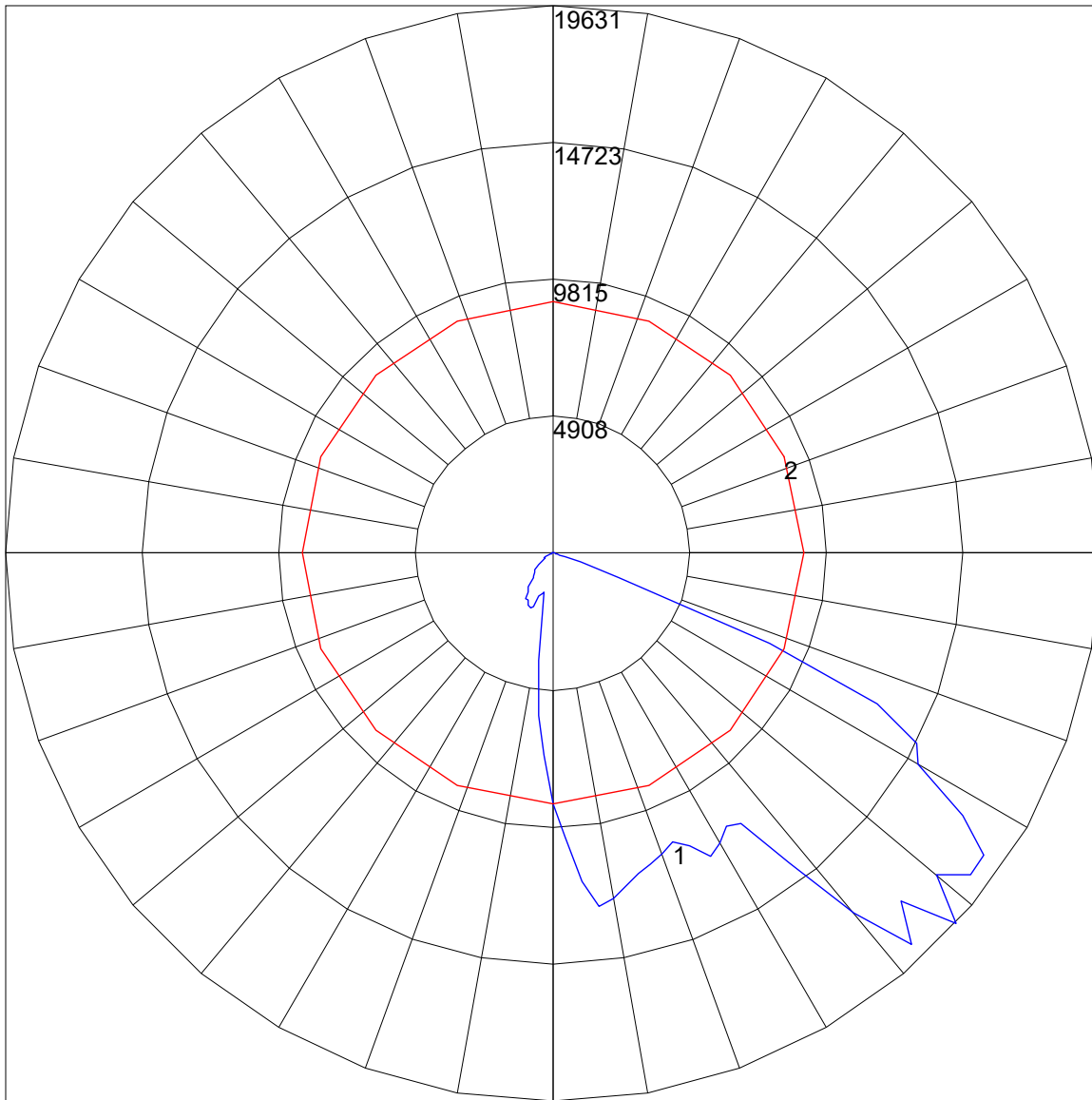
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BL736LEDHTLOTIIIWT40120-277V-P.IES**

**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 | 34.0                 | 35.6 | 34.3 | 35.9 | 36.2 | 10.4               | 10.4 | 10.4 | 10.4 | 10.4 |
|                | 3H   | 34.6                 | 36.1 | 35.0 | 36.4 | 36.7 | 10.4               | 10.4 | 10.4 | 10.4 | 10.4 |
|                | 4H   | 34.6                 | 35.9 | 35.0 | 36.3 | 36.6 | 10.4               | 10.4 | 10.4 | 10.4 | 10.4 |
|                | 6H   | 34.5                 | 35.8 | 34.9 | 36.1 | 36.5 | 10.4               | 10.4 | 10.4 | 10.4 | 10.4 |
|                | 8H   | 34.5                 | 35.7 | 34.9 | 36.1 | 36.5 | 10.4               | 10.4 | 10.4 | 10.4 | 10.4 |
|                | 12H  | 34.5                 | 35.6 | 34.9 | 36.0 | 36.4 | 10.4               | 10.4 | 10.4 | 10.4 | 10.4 |
| 4H             | 2H   | 33.9                 | 35.3 | 34.3 | 35.6 | 36.0 | 19.6               | 21.0 | 20.0 | 21.3 | 21.7 |
|                | 3H   | 34.6                 | 35.7 | 35.0 | 36.1 | 36.5 | 19.8               | 20.9 | 20.2 | 21.3 | 21.7 |
|                | 4H   | 34.6                 | 35.5 | 35.0 | 35.9 | 36.4 | 19.7               | 20.7 | 20.2 | 21.1 | 21.6 |
|                | 6H   | 34.5                 | 35.4 | 35.0 | 35.8 | 36.3 | 19.7               | 20.5 | 20.1 | 21.0 | 21.4 |
|                | 8H   | 34.5                 | 35.3 | 34.9 | 35.7 | 36.2 | 19.6               | 20.4 | 20.1 | 20.9 | 21.3 |
|                | 12H  | 34.4                 | 35.1 | 34.9 | 35.6 | 36.1 | 19.6               | 20.3 | 20.1 | 20.8 | 21.3 |
| 8H             | 4H   | 34.5                 | 35.3 | 34.9 | 35.7 | 36.2 | 20.0               | 20.8 | 20.5 | 21.2 | 21.7 |
|                | 6H   | 34.4                 | 35.0 | 34.9 | 35.5 | 36.0 | 19.9               | 20.6 | 20.4 | 21.1 | 21.5 |
|                | 8H   | 34.4                 | 34.9 | 34.9 | 35.4 | 35.9 | 19.9               | 20.5 | 20.4 | 21.0 | 21.5 |
|                | 12H  | 34.3                 | 34.8 | 34.9 | 35.3 | 35.9 | 19.9               | 20.4 | 20.4 | 20.9 | 21.4 |
| 12H            | 4H   | 34.4                 | 35.1 | 34.9 | 35.6 | 36.1 | 20.0               | 20.7 | 20.5 | 21.2 | 21.6 |
|                | 6H   | 34.4                 | 34.9 | 34.9 | 35.4 | 35.9 | 19.9               | 20.5 | 20.4 | 20.9 | 21.5 |
|                | 8H   | 34.3                 | 34.8 | 34.9 | 35.3 | 35.9 | 19.9               | 20.4 | 20.4 | 20.9 | 21.4 |

Maximum UGR = 36.7

POLAR GRAPH



Maximum Candela = 19630.74 Located At Horizontal Angle = 0, Vertical Angle = 47.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0)