



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS100LED2HTHOWT40120-277V-FL\_S.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Photopia 2017.0.4 see: [www.ltioptics.com/ies](http://www.ltioptics.com/ies)

[ISSUEDATE]

[TESTDATE] Fri Jun 30 12:20:38 2017

[MANUFAC] BEGHELLI

[LUMINAIRE] BS100LED2HTHOWT40120-277V-FL

[LAMP] LED 0.195W White 5630 package (65mA)

[LAMPCAT] SPMWHT541MD-3900K

[OTHER] Indoor Photometric Report

[OTHER] LUMINAIRE PROPERTIES

[OTHER] Number of lamps: 90

[OTHER] Lumens per lamp: 72.6

[OTHER] Input watts: 50

[OTHER] Distribution: Direct

[OTHER] Symmetry: None

[OTHER] Photometric Type: C

[OTHER] Luminous shape: Rectangle

[OTHER] Luminous dimensions (feet)

[OTHER] 0 - 180 Axis: 2.3

[OTHER] 90 - 270 Axis: 0.6

[OTHER] Height: 0.3

### CHARACTERISTICS

|                                 |                     |
|---------------------------------|---------------------|
| Lumens Per Lamp                 | N.A. (absolute)     |
| Total Lamp Lumens               | N.A. (absolute)     |
| Luminaire Lumens                | 6151                |
| Total Luminaire Efficiency      | N.A.                |
| Luminaire Efficacy Rating (LER) | 123                 |
| Total Luminaire Watts           | 50                  |
| Ballast Factor                  | 1.00                |
| CIE Type                        | Direct              |
| Spacing Criterion (0-180)       | 1.24                |
| Spacing Criterion (90-270)      | 1.28                |
| Spacing Criterion (Diagonal)    | 1.38                |
| Basic Luminous Shape            | Rectangular w/Sides |
| Luminous Length (0-180)         | 2.28 ft             |
| Luminous Width (90-270)         | 0.55 ft             |
| Luminous Height                 | 0.32 ft             |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTHOWT40120-277V-FL\_S.IES**

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

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 14102            | 11102             | 11194             |
| 55                  | 11938            | 9428              | 9451              |
| 65                  | 8814             | 7253              | 7528              |
| 75                  | 5792             | 4934              | 5103              |
| 85                  | 3542             | 2546              | 2617              |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTHOWT40120-277V-FL\_S.IES**

**CANDELA TABULATION**

|              | <b>0</b> | <b>10</b> | <b>20</b> | <b>30</b> | <b>40</b> | <b>50</b> | <b>60</b> | <b>70</b> | <b>80</b> | <b>90</b> |
|--------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>0.0</b>   | 2127.85  | 2127.85   | 2127.85   | 2127.85   | 2127.85   | 2127.85   | 2127.85   | 2127.85   | 2127.85   | 2127.85   |
| <b>2.5</b>   | 2153.52  | 2105.35   | 2134.22   | 2146.44   | 2138.56   | 2168.26   | 2153.44   | 2176.42   | 2099.05   | 2114.83   |
| <b>5.0</b>   | 2106.08  | 2101.08   | 2126.07   | 2142.37   | 2145.19   | 2123.28   | 2149.62   | 2129.63   | 2121.53   | 2127.77   |
| <b>7.5</b>   | 2086.63  | 2107.50   | 2109.46   | 2096.49   | 2116.59   | 2089.84   | 2114.78   | 2133.28   | 2099.61   | 2124.32   |
| <b>10.0</b>  | 2099.02  | 2084.78   | 2048.82   | 2095.62   | 2081.54   | 2092.92   | 2097.37   | 2096.25   | 2095.98   | 2076.16   |
| <b>12.5</b>  | 2059.63  | 2061.70   | 2062.88   | 2069.43   | 2059.04   | 2058.00   | 2068.37   | 2071.93   | 2075.84   | 2079.82   |
| <b>15.0</b>  | 2026.09  | 2032.68   | 2013.89   | 2035.32   | 2026.25   | 2057.98   | 2046.22   | 2038.71   | 2033.40   | 2046.35   |
| <b>17.5</b>  | 1986.81  | 1982.93   | 1994.41   | 2002.34   | 1998.08   | 2009.23   | 2004.85   | 1988.00   | 2005.89   | 2001.95   |
| <b>20.0</b>  | 1946.41  | 1950.23   | 1961.53   | 1967.87   | 1961.19   | 1969.77   | 1969.57   | 1963.15   | 1970.53   | 1958.87   |
| <b>22.5</b>  | 1909.04  | 1920.87   | 1913.85   | 1920.83   | 1913.93   | 1922.39   | 1921.39   | 1929.97   | 1930.70   | 1946.28   |
| <b>25.0</b>  | 1876.37  | 1873.03   | 1854.58   | 1868.01   | 1867.29   | 1875.84   | 1871.92   | 1907.19   | 1897.62   | 1894.97   |
| <b>27.5</b>  | 1806.37  | 1810.24   | 1807.14   | 1815.27   | 1829.05   | 1831.43   | 1851.00   | 1846.68   | 1856.51   | 1867.38   |
| <b>30.0</b>  | 1758.80  | 1757.29   | 1756.52   | 1764.69   | 1775.14   | 1786.81   | 1789.87   | 1792.29   | 1811.80   | 1831.93   |
| <b>32.5</b>  | 1702.39  | 1708.04   | 1696.36   | 1708.53   | 1708.62   | 1722.18   | 1738.40   | 1741.71   | 1767.69   | 1765.73   |
| <b>35.0</b>  | 1637.49  | 1642.87   | 1633.65   | 1660.95   | 1652.95   | 1655.39   | 1683.26   | 1690.35   | 1699.68   | 1715.00   |
| <b>37.5</b>  | 1576.64  | 1574.68   | 1579.02   | 1581.87   | 1593.84   | 1602.81   | 1613.99   | 1636.91   | 1659.39   | 1650.80   |
| <b>40.0</b>  | 1501.30  | 1503.11   | 1496.21   | 1505.75   | 1531.05   | 1529.20   | 1547.04   | 1572.01   | 1595.61   | 1593.37   |
| <b>42.5</b>  | 1436.67  | 1421.61   | 1433.89   | 1438.89   | 1450.85   | 1477.39   | 1476.61   | 1500.32   | 1524.74   | 1540.85   |
| <b>45.0</b>  | 1336.28  | 1341.42   | 1351.84   | 1359.94   | 1385.86   | 1387.87   | 1418.12   | 1426.51   | 1454.04   | 1462.52   |
| <b>47.5</b>  | 1249.73  | 1263.42   | 1272.49   | 1290.11   | 1301.09   | 1327.03   | 1349.23   | 1357.49   | 1387.73   | 1385.12   |
| <b>50.0</b>  | 1151.80  | 1153.95   | 1180.61   | 1206.77   | 1225.65   | 1249.26   | 1266.95   | 1279.44   | 1300.94   | 1321.31   |
| <b>52.5</b>  | 1061.43  | 1069.59   | 1085.35   | 1130.52   | 1144.34   | 1173.25   | 1184.33   | 1194.77   | 1225.24   | 1234.19   |
| <b>55.0</b>  | 965.49   | 974.52    | 997.87    | 1037.92   | 1077.05   | 1106.68   | 1113.92   | 1121.10   | 1140.55   | 1157.28   |
| <b>57.5</b>  | 858.53   | 869.27    | 911.28    | 957.10    | 989.70    | 1018.06   | 1033.14   | 1051.20   | 1058.11   | 1078.11   |
| <b>60.0</b>  | 758.73   | 772.70    | 805.12    | 864.75    | 902.42    | 937.68    | 949.84    | 960.72    | 978.47    | 998.98    |
| <b>62.5</b>  | 659.70   | 682.82    | 714.65    | 776.01    | 820.73    | 849.77    | 876.58    | 893.13    | 907.10    | 919.54    |
| <b>65.0</b>  | 568.74   | 584.22    | 627.63    | 686.84    | 734.52    | 762.36    | 784.25    | 806.46    | 815.10    | 832.05    |
| <b>67.5</b>  | 480.26   | 498.01    | 540.21    | 600.19    | 652.01    | 686.18    | 710.48    | 716.08    | 740.75    | 747.53    |
| <b>70.0</b>  | 399.39   | 422.02    | 462.20    | 516.66    | 562.84    | 603.35    | 619.43    | 638.52    | 655.43    | 662.25    |
| <b>72.5</b>  | 326.86   | 346.49    | 387.87    | 442.32    | 492.52    | 523.68    | 548.23    | 558.68    | 564.78    | 572.13    |
| <b>75.0</b>  | 267.74   | 280.35    | 321.16    | 368.09    | 416.40    | 446.27    | 462.50    | 468.04    | 477.99    | 486.07    |
| <b>77.5</b>  | 211.29   | 229.81    | 261.91    | 302.71    | 343.32    | 367.92    | 378.56    | 387.82    | 392.18    | 397.98    |
| <b>80.0</b>  | 163.39   | 178.55    | 206.14    | 237.54    | 275.83    | 298.00    | 313.24    | 310.93    | 316.69    | 320.69    |
| <b>82.5</b>  | 125.11   | 143.05    | 159.16    | 189.31    | 218.81    | 238.88    | 246.96    | 249.55    | 253.51    | 259.71    |
| <b>85.0</b>  | 93.92    | 103.49    | 122.71    | 144.48    | 166.58    | 184.76    | 193.28    | 197.61    | 199.95    | 201.69    |
| <b>87.5</b>  | 69.93    | 76.24     | 93.82     | 110.26    | 130.39    | 143.64    | 152.56    | 156.70    | 155.59    | 156.16    |
| <b>90.0</b>  | 45.81    | 54.85     | 67.92     | 83.28     | 99.39     | 110.44    | 119.60    | 119.25    | 119.19    | 117.85    |
| <b>92.5</b>  | 30.75    | 39.63     | 50.42     | 63.37     | 76.61     | 85.42     | 90.53     | 92.83     | 92.62     | 93.22     |
| <b>95.0</b>  | 22.75    | 27.97     | 39.51     | 49.29     | 60.14     | 67.46     | 69.53     | 70.93     | 69.96     | 72.41     |
| <b>97.5</b>  | 17.99    | 20.89     | 30.61     | 37.50     | 44.87     | 50.77     | 56.10     | 57.07     | 54.76     | 56.31     |
| <b>100.0</b> | 14.39    | 16.74     | 23.40     | 30.82     | 37.57     | 41.94     | 44.31     | 45.56     | 46.09     | 46.69     |
| <b>102.5</b> | 12.28    | 13.86     | 19.38     | 23.16     | 29.45     | 32.87     | 36.56     | 38.11     | 38.05     | 37.84     |
| <b>105.0</b> | 10.81    | 11.55     | 15.35     | 19.76     | 23.44     | 27.12     | 28.95     | 30.19     | 31.60     | 32.05     |
| <b>107.5</b> | 9.52     | 10.09     | 13.14     | 16.81     | 18.07     | 21.55     | 23.48     | 25.46     | 26.24     | 26.83     |
| <b>110.0</b> | 8.34     | 9.23      | 11.29     | 13.61     | 15.56     | 17.67     | 19.25     | 21.49     | 22.71     | 23.07     |
| <b>112.5</b> | 6.84     | 7.53      | 9.19      | 11.36     | 12.43     | 13.88     | 15.59     | 18.77     | 19.42     | 18.87     |
| <b>115.0</b> | 6.90     | 7.26      | 7.24      | 9.11      | 9.58      | 11.30     | 12.84     | 14.30     | 15.48     | 15.80     |
| <b>117.5</b> | 5.93     | 6.83      | 6.59      | 7.22      | 7.86      | 8.76      | 10.46     | 11.89     | 12.69     | 13.11     |
| <b>120.0</b> | 4.85     | 5.11      | 5.70      | 5.67      | 6.00      | 6.77      | 8.06      | 9.33      | 9.98      | 10.34     |
| <b>122.5</b> | 4.08     | 4.27      | 4.73      | 4.52      | 4.47      | 5.09      | 6.18      | 7.38      | 8.13      | 8.21      |
| <b>125.0</b> | 3.76     | 3.62      | 3.65      | 3.45      | 3.34      | 3.30      | 5.22      | 5.57      | 6.47      | 6.68      |
| <b>127.5</b> | 3.21     | 2.57      | 2.77      | 2.45      | 2.57      | 2.85      | 3.23      | 4.26      | 5.26      | 4.71      |
| <b>130.0</b> | 2.08     | 2.18      | 1.94      | 1.63      | 1.42      | 1.80      | 2.17      | 3.39      | 3.69      | 3.66      |
| <b>132.5</b> | 2.11     | 1.59      | 1.44      | 1.13      | 1.10      | 1.17      | 1.51      | 2.29      | 2.79      | 2.84      |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTHOWT40120-277V-FL\_S.IES**

**CANDELA TABULATION - (Cont.)**

|       |      |      |      |      |      |      |      |      |      |      |
|-------|------|------|------|------|------|------|------|------|------|------|
| 135.0 | 1.26 | 1.04 | 1.03 | 0.78 | 0.29 | 0.48 | 1.11 | 1.61 | 1.59 | 2.12 |
| 137.5 | 0.68 | 0.87 | 0.78 | 0.40 | 0.45 | 0.30 | 0.44 | 0.75 | 1.05 | 1.27 |
| 140.0 | 0.47 | 0.38 | 0.42 | 0.31 | 0.13 | 0.26 | 0.25 | 0.67 | 0.85 | 0.83 |
| 142.5 | 0.22 | 0.42 | 0.20 | 0.21 | 0.10 | 0.10 | 0.12 | 0.29 | 0.34 | 0.37 |
| 145.0 | 0.17 | 0.20 | 0.10 | 0.11 | 0.11 | 0.12 | 0.07 | 0.16 | 0.36 | 0.11 |
| 147.5 | 0.09 | 0.07 | 0.16 | 0.21 | 0.18 | 0.20 | 0.13 | 0.05 | 0.11 | 0.15 |
| 150.0 | 0.17 | 0.20 | 0.11 | 0.22 | 0.27 | 0.27 | 0.21 | 0.18 | 0.12 | 0.09 |
| 152.5 | 0.22 | 0.17 | 0.19 | 0.19 | 0.39 | 0.30 | 0.50 | 0.25 | 0.20 | 0.15 |
| 155.0 | 0.19 | 0.37 | 0.29 | 0.50 | 0.63 | 0.65 | 0.55 | 0.42 | 0.18 | 0.21 |
| 157.5 | 0.54 | 0.58 | 0.50 | 0.49 | 0.55 | 0.46 | 0.30 | 0.59 | 0.41 | 0.17 |
| 160.0 | 0.71 | 0.85 | 0.69 | 0.59 | 0.66 | 0.43 | 0.73 | 0.49 | 0.42 | 0.37 |
| 162.5 | 0.59 | 0.52 | 0.94 | 0.90 | 0.60 | 0.31 | 0.89 | 0.61 | 0.39 | 0.58 |
| 165.0 | 0.73 | 0.77 | 0.46 | 0.72 | 0.77 | 0.45 | 0.67 | 0.68 | 0.71 | 0.54 |
| 167.5 | 0.68 | 1.07 | 0.84 | 0.67 | 0.75 | 0.64 | 0.74 | 1.04 | 0.72 | 0.66 |
| 170.0 | 0.91 | 0.50 | 0.71 | 0.53 | 0.99 | 1.12 | 0.98 | 0.53 | 0.82 | 0.58 |
| 172.5 | 0.73 | 0.39 | 0.78 | 0.71 | 0.60 | 0.10 | 0.28 | 0.58 | 0.24 | 0.95 |
| 175.0 | 0.76 | 0.58 | 0.71 | 0.58 | 0.44 | 0.59 | 0.15 | 0.88 | 0.98 | 0.87 |
| 177.5 | 1.74 | 0.88 | 1.19 | 1.52 | 1.74 | 0.52 | 1.72 | 1.19 | 0.59 | 0.61 |
| 180.0 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |

**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  | 2127.85    | 2127.85    | 2127.85    | 2127.85    | 2127.85    | 2127.85    | 2127.85    | 2127.85    | 2127.85    | 2127.85    |
| 2.5  | 2115.59    | 2166.12    | 2171.79    | 2140.55    | 2179.78    | 2102.89    | 2119.00    | 2139.47    | 2144.34    | 2127.17    |
| 5.0  | 2137.28    | 2089.00    | 2134.52    | 2136.06    | 2120.12    | 2124.37    | 2139.30    | 2147.38    | 2133.13    | 2161.75    |
| 7.5  | 2102.02    | 2135.29    | 2147.39    | 2121.58    | 2081.97    | 2120.84    | 2085.12    | 2111.52    | 2120.68    | 2091.07    |
| 10.0 | 2077.50    | 2066.63    | 2099.02    | 2094.29    | 2090.09    | 2091.11    | 2098.36    | 2079.13    | 2098.75    | 2081.23    |
| 12.5 | 2085.17    | 2071.61    | 2068.50    | 2074.41    | 2083.26    | 2082.08    | 2067.62    | 2075.56    | 2076.29    | 2059.15    |
| 15.0 | 2031.78    | 2029.71    | 2022.41    | 2040.96    | 2044.09    | 2028.62    | 2040.03    | 2039.63    | 2031.29    | 2027.62    |
| 17.5 | 1997.22    | 2003.72    | 1995.13    | 1996.56    | 2003.70    | 1989.68    | 2006.01    | 1977.01    | 2006.01    | 1996.66    |
| 20.0 | 1972.63    | 1963.62    | 1982.43    | 1970.34    | 1952.00    | 1961.20    | 1976.81    | 1959.01    | 1948.11    | 1961.08    |
| 22.5 | 1937.17    | 1937.72    | 1947.51    | 1909.42    | 1913.47    | 1914.89    | 1885.65    | 1920.87    | 1892.01    | 1911.61    |
| 25.0 | 1907.35    | 1887.04    | 1882.87    | 1877.73    | 1870.42    | 1854.58    | 1856.52    | 1867.65    | 1876.72    | 1853.57    |
| 27.5 | 1862.00    | 1848.02    | 1845.54    | 1826.87    | 1823.12    | 1821.12    | 1804.62    | 1816.52    | 1814.19    | 1820.71    |
| 30.0 | 1814.72    | 1796.85    | 1793.00    | 1781.52    | 1779.69    | 1768.96    | 1761.18    | 1763.58    | 1758.83    | 1768.67    |
| 32.5 | 1766.26    | 1748.63    | 1732.30    | 1735.33    | 1711.93    | 1702.90    | 1693.69    | 1706.73    | 1702.44    | 1695.87    |
| 35.0 | 1707.18    | 1688.60    | 1669.93    | 1669.63    | 1653.29    | 1651.69    | 1636.37    | 1630.96    | 1629.92    | 1635.63    |
| 37.5 | 1652.60    | 1643.47    | 1619.78    | 1598.12    | 1588.81    | 1576.27    | 1563.46    | 1571.20    | 1571.49    | 1561.48    |
| 40.0 | 1587.21    | 1560.23    | 1548.03    | 1530.57    | 1516.88    | 1515.69    | 1517.77    | 1504.76    | 1501.95    | 1504.69    |
| 42.5 | 1535.21    | 1499.25    | 1482.51    | 1469.68    | 1447.86    | 1439.08    | 1417.70    | 1410.72    | 1431.63    | 1431.26    |
| 45.0 | 1448.78    | 1423.56    | 1412.73    | 1402.61    | 1387.79    | 1361.47    | 1352.75    | 1346.34    | 1346.92    | 1340.47    |
| 47.5 | 1378.00    | 1357.82    | 1348.18    | 1331.76    | 1306.15    | 1290.11    | 1269.09    | 1259.62    | 1259.08    | 1254.82    |
| 50.0 | 1304.67    | 1285.99    | 1268.32    | 1252.00    | 1231.55    | 1203.58    | 1179.53    | 1175.56    | 1167.78    | 1164.53    |
| 52.5 | 1223.31    | 1194.04    | 1193.90    | 1178.12    | 1150.85    | 1123.08    | 1100.19    | 1073.18    | 1070.20    | 1075.65    |
| 55.0 | 1136.08    | 1120.61    | 1109.15    | 1098.86    | 1063.73    | 1030.01    | 999.33     | 975.90     | 962.93     | 963.94     |
| 57.5 | 1063.02    | 1042.34    | 1034.20    | 1021.48    | 980.91     | 943.28     | 905.59     | 873.36     | 859.10     | 877.38     |
| 60.0 | 980.11     | 966.38     | 958.34     | 932.01     | 898.51     | 863.75     | 812.01     | 776.36     | 755.86     | 775.54     |
| 62.5 | 898.42     | 882.21     | 870.64     | 852.33     | 822.67     | 773.55     | 724.33     | 684.28     | 662.66     | 685.53     |
| 65.0 | 819.46     | 807.44     | 794.30     | 769.74     | 736.10     | 686.11     | 631.68     | 585.46     | 573.98     | 588.11     |
| 67.5 | 744.17     | 721.81     | 701.14     | 689.24     | 654.92     | 603.37     | 544.94     | 503.25     | 484.81     | 502.48     |
| 70.0 | 652.52     | 641.60     | 625.61     | 603.39     | 570.29     | 516.85     | 465.13     | 424.35     | 408.91     | 420.57     |
| 72.5 | 574.57     | 555.76     | 546.11     | 518.68     | 489.82     | 442.20     | 393.25     | 346.60     | 336.61     | 354.50     |
| 75.0 | 477.71     | 467.23     | 459.62     | 445.21     | 414.02     | 367.16     | 325.09     | 288.21     | 272.47     | 285.24     |
| 77.5 | 397.94     | 389.34     | 379.73     | 369.74     | 340.43     | 300.24     | 264.26     | 228.81     | 216.38     | 228.78     |
| 80.0 | 317.16     | 314.97     | 305.82     | 301.86     | 276.57     | 242.39     | 210.37     | 181.63     | 166.61     | 186.30     |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTHOWT40120-277V-FL\_S.IES**

**CANDELA TABULATION - (Cont.)**

|       |        |        |        |        |        |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82.5  | 251.74 | 250.08 | 249.41 | 237.32 | 214.09 | 191.31 | 163.50 | 139.33 | 127.36 | 139.60 |
| 85.0  | 201.52 | 196.47 | 191.58 | 186.40 | 168.90 | 146.99 | 125.06 | 103.91 | 94.72  | 105.81 |
| 87.5  | 155.48 | 155.15 | 150.48 | 142.68 | 129.54 | 111.05 | 93.05  | 76.93  | 67.16  | 79.05  |
| 90.0  | 117.73 | 119.82 | 117.04 | 110.70 | 99.46  | 83.40  | 68.46  | 55.61  | 44.56  | 56.52  |
| 92.5  | 92.05  | 91.04  | 88.79  | 82.53  | 74.98  | 65.29  | 52.32  | 40.10  | 32.45  | 38.56  |
| 95.0  | 70.41  | 72.09  | 68.29  | 65.23  | 58.26  | 48.93  | 38.40  | 28.12  | 23.38  | 27.93  |
| 97.5  | 55.97  | 55.00  | 53.63  | 50.87  | 44.14  | 37.72  | 30.69  | 21.73  | 18.44  | 20.86  |
| 100.0 | 46.19  | 45.50  | 43.74  | 40.28  | 36.58  | 29.07  | 24.16  | 16.34  | 14.52  | 16.86  |
| 102.5 | 36.84  | 38.47  | 35.38  | 33.55  | 29.03  | 23.80  | 19.85  | 13.02  | 12.41  | 14.12  |
| 105.0 | 31.38  | 30.22  | 28.46  | 25.86  | 23.35  | 19.38  | 15.44  | 12.61  | 10.79  | 12.41  |
| 107.5 | 25.56  | 25.62  | 23.40  | 21.41  | 19.79  | 16.44  | 14.13  | 10.01  | 9.51   | 10.55  |
| 110.0 | 23.34  | 20.98  | 18.87  | 17.23  | 14.80  | 13.36  | 11.11  | 9.33   | 8.44   | 8.78   |
| 112.5 | 19.41  | 18.26  | 15.55  | 13.78  | 11.92  | 10.78  | 8.81   | 8.17   | 8.65   | 8.55   |
| 115.0 | 15.63  | 14.52  | 12.54  | 10.89  | 10.12  | 9.14   | 8.08   | 6.66   | 6.68   | 7.37   |
| 117.5 | 13.11  | 11.87  | 10.49  | 8.25   | 7.77   | 7.19   | 6.84   | 6.08   | 5.40   | 6.52   |
| 120.0 | 10.46  | 8.97   | 7.99   | 6.87   | 5.67   | 5.63   | 5.92   | 5.22   | 5.73   | 5.51   |
| 122.5 | 8.84   | 6.94   | 6.09   | 5.15   | 4.32   | 4.09   | 4.38   | 4.74   | 4.13   | 4.78   |
| 125.0 | 6.23   | 5.98   | 4.93   | 3.81   | 3.12   | 3.62   | 3.81   | 3.74   | 3.55   | 3.84   |
| 127.5 | 4.86   | 4.13   | 3.46   | 2.30   | 2.23   | 2.40   | 3.02   | 2.90   | 2.88   | 2.74   |
| 130.0 | 3.56   | 3.30   | 2.10   | 1.91   | 1.22   | 1.75   | 2.03   | 2.33   | 2.42   | 2.16   |
| 132.5 | 2.57   | 1.95   | 1.91   | 1.24   | 0.84   | 1.23   | 1.51   | 2.00   | 1.89   | 1.92   |
| 135.0 | 2.27   | 1.73   | 0.93   | 0.62   | 0.64   | 0.73   | 1.13   | 1.65   | 1.44   | 1.26   |
| 137.5 | 0.91   | 0.99   | 0.70   | 0.38   | 0.22   | 0.46   | 0.52   | 0.95   | 0.92   | 0.97   |
| 140.0 | 0.46   | 0.45   | 0.31   | 0.15   | 0.28   | 0.27   | 0.43   | 0.71   | 0.69   | 0.66   |
| 142.5 | 0.39   | 0.33   | 0.18   | 0.05   | 0.06   | 0.10   | 0.20   | 0.41   | 0.43   | 0.24   |
| 145.0 | 0.24   | 0.30   | 0.10   | 0.17   | 0.07   | 0.10   | 0.13   | 0.13   | 0.12   | 0.14   |
| 147.5 | 0.15   | 0.11   | 0.19   | 0.23   | 0.14   | 0.15   | 0.13   | 0.12   | 0.11   | 0.08   |
| 150.0 | 0.11   | 0.17   | 0.24   | 0.38   | 0.11   | 0.35   | 0.08   | 0.18   | 0.12   | 0.24   |
| 152.5 | 0.12   | 0.19   | 0.40   | 0.33   | 0.22   | 0.25   | 0.27   | 0.12   | 0.18   | 0.28   |
| 155.0 | 0.37   | 0.38   | 0.31   | 0.37   | 0.35   | 0.27   | 0.27   | 0.25   | 0.38   | 0.31   |
| 157.5 | 0.43   | 0.29   | 0.43   | 0.49   | 0.26   | 0.80   | 0.17   | 0.45   | 0.30   | 0.31   |
| 160.0 | 0.55   | 0.26   | 0.39   | 0.66   | 0.52   | 0.31   | 0.56   | 0.62   | 0.57   | 0.56   |
| 162.5 | 0.96   | 0.40   | 0.35   | 0.69   | 0.40   | 0.36   | 0.77   | 0.84   | 0.76   | 0.79   |
| 165.0 | 0.75   | 0.72   | 0.63   | 0.74   | 0.69   | 0.82   | 0.95   | 0.78   | 0.83   | 0.53   |
| 167.5 | 0.33   | 0.60   | 0.56   | 0.77   | 0.59   | 0.52   | 0.53   | 0.94   | 0.70   | 0.74   |
| 170.0 | 1.04   | 0.67   | 0.86   | 0.84   | 0.53   | 1.04   | 0.63   | 0.84   | 0.64   | 0.63   |
| 172.5 | 0.70   | 1.03   | 0.71   | 0.47   | 0.69   | 0.47   | 0.50   | 0.66   | 0.79   | 0.54   |
| 175.0 | 0.44   | 1.12   | 0.88   | 0.62   | 0.26   | 0.57   | 1.34   | 0.66   | 0.45   | 0.18   |
| 177.5 | 0.62   | 0.29   | 0.78   | 0.94   | 0.93   | 0.00   | 1.02   | 0.58   | 1.09   | 0.32   |
| 180.0 | 0.53   | 0.53   | 0.53   | 0.53   | 0.53   | 0.53   | 0.53   | 0.53   | 0.53   | 0.53   |

**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  | 2127.85    | 2127.85    | 2127.85    | 2127.85    | 2127.85    | 2127.85    | 2127.85    | 2127.85    | 2127.85    | 2127.85    |
| 2.5  | 2098.69    | 2149.93    | 2129.53    | 2130.52    | 2096.36    | 2164.56    | 2130.57    | 2150.09    | 2146.70    | 2118.98    |
| 5.0  | 2108.35    | 2114.40    | 2101.19    | 2115.65    | 2122.82    | 2111.50    | 2143.48    | 2120.14    | 2118.36    | 2131.96    |
| 7.5  | 2102.92    | 2114.06    | 2119.24    | 2108.79    | 2110.96    | 2124.25    | 2155.95    | 2091.01    | 2129.40    | 2139.55    |
| 10.0 | 2085.65    | 2094.82    | 2087.19    | 2089.11    | 2087.30    | 2092.72    | 2091.48    | 2095.02    | 2108.26    | 2108.82    |
| 12.5 | 2056.30    | 2073.70    | 2063.10    | 2051.36    | 2062.56    | 2075.01    | 2052.61    | 2063.38    | 2053.49    | 2062.30    |
| 15.0 | 2016.10    | 2023.04    | 2041.19    | 2023.22    | 2026.78    | 2038.07    | 2050.89    | 2040.03    | 2057.04    | 2023.24    |
| 17.5 | 1998.64    | 1997.45    | 1999.30    | 2005.05    | 2018.25    | 1993.42    | 2002.13    | 2001.73    | 2023.34    | 1990.41    |
| 20.0 | 1944.99    | 1957.78    | 1933.56    | 1980.17    | 1959.71    | 1968.10    | 1969.62    | 1957.37    | 1962.58    | 1976.57    |
| 22.5 | 1901.81    | 1901.98    | 1921.59    | 1918.45    | 1931.07    | 1937.08    | 1937.23    | 1936.89    | 1935.50    | 1934.51    |
| 25.0 | 1863.99    | 1876.79    | 1879.75    | 1885.51    | 1883.63    | 1875.33    | 1900.29    | 1906.22    | 1904.27    | 1884.52    |
| 27.5 | 1814.95    | 1817.88    | 1814.03    | 1826.78    | 1841.16    | 1857.60    | 1855.02    | 1857.50    | 1860.08    | 1857.76    |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTHOWT40120-277V-FL\_S.IES**

**CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |         |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 30.0  | 1756.86 | 1770.62 | 1766.55 | 1790.91 | 1802.53 | 1811.40 | 1812.67 | 1823.84 | 1814.64 | 1812.21 |
| 32.5  | 1705.71 | 1694.83 | 1722.41 | 1726.70 | 1739.75 | 1737.36 | 1761.86 | 1765.23 | 1764.16 | 1746.55 |
| 35.0  | 1651.23 | 1645.81 | 1658.47 | 1671.86 | 1689.94 | 1694.65 | 1710.41 | 1698.63 | 1720.90 | 1685.57 |
| 37.5  | 1573.52 | 1581.93 | 1597.54 | 1605.49 | 1612.19 | 1629.74 | 1653.17 | 1657.39 | 1649.68 | 1635.02 |
| 40.0  | 1496.30 | 1516.46 | 1526.32 | 1544.34 | 1550.75 | 1564.39 | 1602.37 | 1606.45 | 1589.50 | 1570.66 |
| 42.5  | 1431.55 | 1448.85 | 1448.79 | 1470.66 | 1485.71 | 1487.91 | 1529.64 | 1519.17 | 1523.97 | 1496.69 |
| 45.0  | 1357.17 | 1364.47 | 1384.57 | 1410.10 | 1421.68 | 1433.01 | 1449.28 | 1444.34 | 1446.23 | 1435.37 |
| 47.5  | 1270.56 | 1283.87 | 1307.38 | 1319.79 | 1353.36 | 1356.00 | 1380.15 | 1398.97 | 1373.89 | 1353.33 |
| 50.0  | 1189.54 | 1203.64 | 1223.38 | 1257.37 | 1273.15 | 1282.63 | 1301.87 | 1316.14 | 1304.39 | 1271.45 |
| 52.5  | 1089.52 | 1124.10 | 1145.81 | 1172.32 | 1195.51 | 1201.69 | 1222.54 | 1234.14 | 1227.09 | 1195.61 |
| 55.0  | 1001.50 | 1043.71 | 1070.23 | 1093.99 | 1116.60 | 1126.37 | 1139.07 | 1158.70 | 1142.83 | 1119.02 |
| 57.5  | 903.87  | 951.38  | 985.02  | 1021.27 | 1028.85 | 1038.12 | 1067.67 | 1082.29 | 1067.66 | 1045.15 |
| 60.0  | 812.87  | 862.02  | 900.06  | 925.50  | 951.58  | 966.80  | 983.35  | 998.77  | 981.98  | 966.93  |
| 62.5  | 721.19  | 772.76  | 820.37  | 845.99  | 871.29  | 879.80  | 900.78  | 917.58  | 897.34  | 887.92  |
| 65.0  | 630.65  | 689.23  | 732.45  | 770.81  | 787.65  | 801.35  | 825.37  | 836.90  | 819.97  | 804.71  |
| 67.5  | 546.57  | 599.34  | 650.11  | 685.25  | 713.83  | 725.45  | 739.57  | 749.58  | 733.05  | 724.88  |
| 70.0  | 466.37  | 519.25  | 571.56  | 603.29  | 624.96  | 639.09  | 658.44  | 666.90  | 658.96  | 644.08  |
| 72.5  | 391.02  | 438.40  | 486.48  | 523.29  | 550.93  | 556.84  | 568.00  | 580.27  | 568.96  | 555.74  |
| 75.0  | 327.95  | 370.39  | 413.66  | 444.28  | 465.96  | 469.63  | 483.83  | 486.01  | 474.18  | 469.85  |
| 77.5  | 258.75  | 303.23  | 341.63  | 367.17  | 382.33  | 389.79  | 394.94  | 398.26  | 397.51  | 384.41  |
| 80.0  | 209.87  | 238.39  | 277.64  | 297.77  | 309.73  | 317.48  | 315.54  | 323.62  | 318.93  | 317.74  |
| 82.5  | 162.69  | 188.41  | 221.03  | 240.68  | 246.80  | 248.54  | 252.31  | 257.84  | 254.11  | 247.36  |
| 85.0  | 124.96  | 144.97  | 167.60  | 186.74  | 193.57  | 199.71  | 198.03  | 202.91  | 198.62  | 198.86  |
| 87.5  | 94.71   | 110.02  | 129.54  | 143.95  | 151.51  | 151.40  | 150.34  | 153.93  | 154.85  | 154.10  |
| 90.0  | 70.07   | 83.54   | 98.69   | 109.69  | 115.88  | 117.49  | 121.29  | 117.55  | 119.85  | 119.84  |
| 92.5  | 49.88   | 64.17   | 76.21   | 85.41   | 89.25   | 92.40   | 91.25   | 92.41   | 91.67   | 91.74   |
| 95.0  | 37.70   | 47.73   | 58.63   | 66.77   | 69.45   | 68.66   | 70.06   | 70.07   | 72.17   | 71.91   |
| 97.5  | 29.49   | 38.69   | 45.05   | 50.77   | 54.30   | 54.66   | 56.09   | 57.51   | 57.54   | 55.83   |
| 100.0 | 23.75   | 28.86   | 35.69   | 39.33   | 42.16   | 45.50   | 46.41   | 46.11   | 45.26   | 43.66   |
| 102.5 | 19.26   | 24.14   | 28.84   | 33.24   | 33.89   | 37.69   | 36.83   | 38.70   | 38.11   | 37.07   |
| 105.0 | 16.89   | 20.47   | 22.84   | 26.21   | 28.27   | 31.67   | 31.67   | 32.44   | 31.48   | 32.58   |
| 107.5 | 13.20   | 15.74   | 18.24   | 21.75   | 23.59   | 25.44   | 25.98   | 27.39   | 27.59   | 25.21   |
| 110.0 | 11.40   | 13.06   | 15.67   | 17.06   | 18.27   | 20.82   | 22.17   | 22.80   | 22.05   | 21.17   |
| 112.5 | 9.02    | 10.59   | 12.07   | 13.31   | 15.81   | 17.68   | 17.45   | 19.31   | 19.38   | 17.55   |
| 115.0 | 8.25    | 8.79    | 9.97    | 10.97   | 12.58   | 14.46   | 15.70   | 16.89   | 16.29   | 13.94   |
| 117.5 | 6.82    | 7.09    | 7.04    | 8.81    | 10.36   | 11.48   | 12.48   | 13.15   | 12.91   | 11.98   |
| 120.0 | 6.06    | 5.76    | 5.84    | 6.69    | 7.76    | 9.41    | 10.45   | 10.61   | 10.88   | 9.59    |
| 122.5 | 4.64    | 4.32    | 4.43    | 4.48    | 6.48    | 7.72    | 7.75    | 8.35    | 8.58    | 7.11    |
| 125.0 | 3.30    | 3.58    | 3.07    | 3.70    | 5.05    | 6.03    | 6.06    | 6.22    | 6.04    | 5.90    |
| 127.5 | 2.83    | 2.43    | 2.31    | 2.88    | 3.47    | 4.45    | 4.92    | 5.20    | 5.34    | 4.40    |
| 130.0 | 2.38    | 1.70    | 1.53    | 1.82    | 2.50    | 2.84    | 3.67    | 3.87    | 3.78    | 2.92    |
| 132.5 | 1.56    | 1.30    | 0.92    | 1.09    | 1.76    | 1.90    | 2.63    | 2.76    | 2.46    | 2.45    |
| 135.0 | 0.95    | 0.67    | 0.69    | 0.54    | 0.91    | 1.61    | 1.68    | 1.95    | 1.71    | 1.50    |
| 137.5 | 0.75    | 0.48    | 0.43    | 0.29    | 0.64    | 0.83    | 1.26    | 1.33    | 1.26    | 0.88    |
| 140.0 | 0.33    | 0.28    | 0.21    | 0.30    | 0.26    | 0.65    | 0.48    | 0.72    | 0.86    | 0.40    |
| 142.5 | 0.29    | 0.11    | 0.07    | 0.12    | 0.03    | 0.37    | 0.44    | 0.33    | 0.43    | 0.22    |
| 145.0 | 0.13    | 0.05    | 0.08    | 0.22    | 0.11    | 0.24    | 0.17    | 0.16    | 0.25    | 0.22    |
| 147.5 | 0.19    | 0.12    | 0.17    | 0.22    | 0.12    | 0.19    | 0.21    | 0.10    | 0.08    | 0.03    |
| 150.0 | 0.20    | 0.21    | 0.28    | 0.25    | 0.16    | 0.14    | 0.18    | 0.09    | 0.12    | 0.12    |
| 152.5 | 0.29    | 0.23    | 0.45    | 0.38    | 0.14    | 0.31    | 0.26    | 0.22    | 0.23    | 0.28    |
| 155.0 | 0.29    | 0.52    | 0.52    | 0.50    | 0.31    | 0.33    | 0.19    | 0.20    | 0.34    | 0.30    |
| 157.5 | 0.63    | 0.64    | 0.67    | 0.65    | 0.38    | 0.66    | 0.43    | 0.30    | 0.34    | 0.42    |
| 160.0 | 0.83    | 0.41    | 0.70    | 0.68    | 0.52    | 0.42    | 0.37    | 0.67    | 0.51    | 0.53    |
| 162.5 | 0.72    | 0.49    | 0.92    | 0.32    | 0.43    | 0.51    | 0.54    | 0.53    | 0.99    | 0.48    |
| 165.0 | 0.85    | 0.55    | 0.79    | 0.94    | 0.61    | 0.53    | 0.71    | 0.33    | 0.66    | 0.53    |
| 167.5 | 1.03    | 0.91    | 0.59    | 0.80    | 0.97    | 0.60    | 0.51    | 0.71    | 0.61    | 1.07    |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTHOWT40120-277V-FL\_S.IES**

**CANDELA TABULATION - (Cont.)**

|              |      |      |      |      |      |      |      |      |      |      |
|--------------|------|------|------|------|------|------|------|------|------|------|
| <b>170.0</b> | 0.67 | 0.64 | 0.59 | 0.62 | 0.30 | 0.75 | 0.72 | 0.62 | 0.68 | 0.29 |
| <b>172.5</b> | 0.92 | 1.17 | 0.75 | 0.87 | 0.69 | 1.06 | 0.40 | 0.69 | 0.67 | 0.77 |
| <b>175.0</b> | 0.42 | 0.28 | 1.05 | 0.76 | 1.02 | 0.75 | 0.62 | 0.69 | 0.56 | 1.25 |
| <b>177.5</b> | 0.61 | 1.18 | 0.88 | 1.11 | 1.25 | 1.14 | 0.29 | 1.01 | 0.57 | 1.43 |
| <b>180.0</b> | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |

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

|              | <b>300</b> | <b>310</b> | <b>320</b> | <b>330</b> | <b>340</b> | <b>350</b> | <b>360</b> |
|--------------|------------|------------|------------|------------|------------|------------|------------|
| <b>0.0</b>   | 2127.85    | 2127.85    | 2127.85    | 2127.85    | 2127.85    | 2127.85    | 2127.85    |
| <b>2.5</b>   | 2140.37    | 2123.48    | 2145.15    | 2139.97    | 2155.79    | 2108.61    | 2153.52    |
| <b>5.0</b>   | 2100.40    | 2139.88    | 2119.68    | 2118.35    | 2122.51    | 2133.40    | 2106.08    |
| <b>7.5</b>   | 2105.48    | 2094.98    | 2116.06    | 2127.55    | 2114.92    | 2110.42    | 2086.74    |
| <b>10.0</b>  | 2100.20    | 2090.24    | 2102.27    | 2116.46    | 2084.47    | 2070.63    | 2099.08    |
| <b>12.5</b>  | 2074.25    | 2049.19    | 2060.36    | 2065.20    | 2073.49    | 2059.05    | 2059.66    |
| <b>15.0</b>  | 2044.43    | 2055.37    | 2047.13    | 2054.05    | 2035.36    | 2035.64    | 2026.09    |
| <b>17.5</b>  | 2014.55    | 2001.60    | 1986.14    | 1990.60    | 1989.37    | 2004.50    | 1986.81    |
| <b>20.0</b>  | 1961.14    | 1955.37    | 1947.79    | 1954.28    | 1942.86    | 1948.76    | 1946.41    |
| <b>22.5</b>  | 1936.34    | 1924.11    | 1911.55    | 1912.92    | 1901.06    | 1915.35    | 1909.04    |
| <b>25.0</b>  | 1871.61    | 1885.78    | 1870.37    | 1859.96    | 1861.01    | 1866.57    | 1876.39    |
| <b>27.5</b>  | 1846.23    | 1837.25    | 1829.98    | 1800.48    | 1800.72    | 1811.03    | 1806.37    |
| <b>30.0</b>  | 1792.52    | 1786.52    | 1764.05    | 1759.62    | 1762.27    | 1761.11    | 1758.80    |
| <b>32.5</b>  | 1743.18    | 1731.08    | 1718.23    | 1704.90    | 1701.25    | 1702.86    | 1702.39    |
| <b>35.0</b>  | 1675.50    | 1666.16    | 1655.66    | 1641.21    | 1639.97    | 1634.58    | 1637.49    |
| <b>37.5</b>  | 1612.54    | 1608.83    | 1585.01    | 1582.11    | 1579.64    | 1568.73    | 1576.64    |
| <b>40.0</b>  | 1555.64    | 1539.04    | 1525.55    | 1510.11    | 1507.55    | 1505.01    | 1501.30    |
| <b>42.5</b>  | 1479.16    | 1452.66    | 1456.17    | 1449.01    | 1434.31    | 1428.09    | 1436.68    |
| <b>45.0</b>  | 1410.16    | 1397.43    | 1380.51    | 1372.69    | 1346.40    | 1344.39    | 1336.28    |
| <b>47.5</b>  | 1344.35    | 1328.23    | 1301.30    | 1281.51    | 1272.44    | 1256.22    | 1249.75    |
| <b>50.0</b>  | 1271.66    | 1262.41    | 1231.88    | 1207.32    | 1182.38    | 1161.10    | 1151.80    |
| <b>52.5</b>  | 1194.36    | 1174.45    | 1153.24    | 1126.00    | 1091.74    | 1065.00    | 1061.43    |
| <b>55.0</b>  | 1112.18    | 1098.44    | 1067.16    | 1033.95    | 1005.89    | 975.08     | 965.50     |
| <b>57.5</b>  | 1034.94    | 1009.85    | 989.00     | 950.23     | 904.74     | 868.72     | 858.53     |
| <b>60.0</b>  | 951.12     | 935.02     | 901.01     | 859.46     | 810.78     | 770.21     | 758.76     |
| <b>62.5</b>  | 870.21     | 847.23     | 822.35     | 770.14     | 715.29     | 674.85     | 659.70     |
| <b>65.0</b>  | 788.80     | 762.48     | 737.51     | 684.05     | 628.43     | 580.45     | 568.74     |
| <b>67.5</b>  | 703.77     | 684.66     | 645.92     | 600.93     | 540.63     | 495.99     | 480.26     |
| <b>70.0</b>  | 625.28     | 603.66     | 567.93     | 520.27     | 462.97     | 416.21     | 399.39     |
| <b>72.5</b>  | 547.08     | 523.94     | 485.24     | 439.71     | 388.20     | 348.46     | 326.86     |
| <b>75.0</b>  | 466.72     | 446.15     | 407.94     | 371.34     | 326.38     | 280.72     | 267.76     |
| <b>77.5</b>  | 381.22     | 368.35     | 342.66     | 296.33     | 264.11     | 224.11     | 211.29     |
| <b>80.0</b>  | 310.25     | 297.95     | 275.11     | 241.10     | 207.53     | 180.69     | 163.39     |
| <b>82.5</b>  | 245.58     | 236.65     | 218.81     | 186.25     | 163.10     | 139.27     | 125.12     |
| <b>85.0</b>  | 192.24     | 188.52     | 169.66     | 145.38     | 120.82     | 105.82     | 93.92      |
| <b>87.5</b>  | 153.34     | 142.89     | 130.28     | 112.50     | 90.65      | 77.18      | 69.93      |
| <b>90.0</b>  | 118.57     | 111.03     | 100.75     | 83.43      | 70.06      | 56.12      | 45.81      |
| <b>92.5</b>  | 89.88      | 85.25      | 74.01      | 63.49      | 49.67      | 37.37      | 30.75      |
| <b>95.0</b>  | 70.39      | 64.94      | 59.14      | 47.89      | 36.67      | 26.97      | 22.75      |
| <b>97.5</b>  | 55.71      | 52.29      | 46.51      | 36.67      | 30.10      | 20.71      | 18.00      |
| <b>100.0</b> | 43.41      | 40.68      | 36.37      | 30.18      | 23.78      | 17.07      | 14.39      |
| <b>102.5</b> | 36.06      | 33.35      | 28.91      | 23.97      | 18.91      | 14.27      | 12.28      |
| <b>105.0</b> | 29.42      | 26.55      | 23.15      | 20.45      | 14.88      | 12.16      | 10.81      |
| <b>107.5</b> | 24.96      | 21.68      | 18.08      | 16.55      | 13.24      | 10.01      | 9.52       |
| <b>110.0</b> | 19.48      | 17.45      | 15.28      | 13.32      | 11.11      | 9.74       | 8.34       |
| <b>112.5</b> | 16.35      | 14.11      | 11.98      | 11.46      | 9.11       | 7.96       | 6.86       |
| <b>115.0</b> | 12.94      | 10.79      | 10.23      | 8.76       | 7.97       | 7.29       | 6.90       |

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : BS100LED2HTHOWT40120-277V-FL\_S.IES

CANDELA TABULATION - (Cont.)

|       |       |      |      |      |      |      |      |
|-------|-------|------|------|------|------|------|------|
| 117.5 | 10.30 | 8.20 | 7.61 | 6.68 | 6.54 | 6.13 | 5.93 |
| 120.0 | 8.05  | 6.72 | 5.24 | 5.88 | 5.07 | 5.34 | 4.85 |
| 122.5 | 6.33  | 5.13 | 4.32 | 4.37 | 4.26 | 4.43 | 4.08 |
| 125.0 | 5.36  | 4.17 | 3.27 | 3.04 | 3.31 | 3.52 | 3.76 |
| 127.5 | 3.46  | 2.91 | 2.08 | 2.25 | 2.91 | 2.81 | 3.23 |
| 130.0 | 2.44  | 1.89 | 1.40 | 1.41 | 1.92 | 2.37 | 2.08 |
| 132.5 | 1.80  | 1.22 | 0.77 | 1.65 | 1.34 | 1.81 | 2.11 |
| 135.0 | 1.20  | 0.65 | 0.73 | 0.94 | 1.07 | 1.27 | 1.26 |
| 137.5 | 0.52  | 0.21 | 0.28 | 0.41 | 0.73 | 0.77 | 0.68 |
| 140.0 | 0.27  | 0.14 | 0.17 | 0.47 | 0.31 | 0.36 | 0.47 |
| 142.5 | 0.21  | 0.08 | 0.06 | 0.17 | 0.09 | 0.21 | 0.22 |
| 145.0 | 0.07  | 0.12 | 0.09 | 0.05 | 0.15 | 0.02 | 0.17 |
| 147.5 | 0.09  | 0.17 | 0.17 | 0.30 | 0.17 | 0.10 | 0.09 |
| 150.0 | 0.21  | 0.36 | 0.16 | 0.35 | 0.23 | 0.12 | 0.17 |
| 152.5 | 0.28  | 0.23 | 0.29 | 0.38 | 0.27 | 0.26 | 0.22 |
| 155.0 | 0.36  | 0.63 | 0.49 | 0.57 | 0.56 | 0.37 | 0.19 |
| 157.5 | 0.43  | 0.42 | 0.68 | 0.62 | 0.55 | 0.47 | 0.54 |
| 160.0 | 0.80  | 0.63 | 0.50 | 0.49 | 0.69 | 0.45 | 0.71 |
| 162.5 | 1.17  | 0.57 | 0.66 | 0.56 | 0.58 | 0.51 | 0.59 |
| 165.0 | 1.11  | 0.72 | 0.62 | 0.67 | 0.78 | 0.94 | 0.73 |
| 167.5 | 0.60  | 0.74 | 0.91 | 0.55 | 0.90 | 0.52 | 0.68 |
| 170.0 | 0.73  | 0.75 | 0.74 | 0.44 | 0.96 | 0.88 | 0.91 |
| 172.5 | 0.47  | 0.51 | 0.83 | 0.69 | 0.28 | 0.61 | 0.73 |
| 175.0 | 0.83  | 0.21 | 0.56 | 0.89 | 0.59 | 0.72 | 0.76 |
| 177.5 | 0.57  | 0.49 | 0.90 | 1.40 | 0.85 | 0.34 | 1.74 |
| 180.0 | 0.53  | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTHOWT40120-277V-FL\_S.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 775.91  | N.A.  | 12.60  |
| 0-30    | 1641.63 | N.A.  | 26.70  |
| 0-40    | 2684.08 | N.A.  | 43.60  |
| 0-60    | 4712.88 | N.A.  | 76.60  |
| 0-80    | 5859.61 | N.A.  | 95.30  |
| 0-90    | 6044.46 | N.A.  | 98.30  |
| 10-90   | 5842.61 | N.A.  | 95.00  |
| 20-40   | 1908.17 | N.A.  | 31.00  |
| 20-50   | 2982.31 | N.A.  | 48.50  |
| 40-70   | 2746.88 | N.A.  | 44.70  |
| 60-80   | 1146.72 | N.A.  | 18.60  |
| 70-80   | 428.65  | N.A.  | 7.00   |
| 80-90   | 184.85  | N.A.  | 3.00   |
| 90-110  | 89.93   | N.A.  | 1.50   |
| 90-120  | 101.16  | N.A.  | 1.60   |
| 90-130  | 105.27  | N.A.  | 1.70   |
| 90-150  | 106.39  | N.A.  | 1.70   |
| 90-180  | 106.81  | N.A.  | 1.70   |
| 110-180 | 16.88   | N.A.  | 0.30   |
| 0-180   | 6151.27 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  |
|---------|---------|
| 0-10    | 201.84  |
| 10-20   | 574.07  |
| 20-30   | 865.72  |
| 30-40   | 1042.45 |
| 40-50   | 1074.14 |
| 50-60   | 954.66  |
| 60-70   | 718.08  |
| 70-80   | 428.65  |
| 80-90   | 184.85  |
| 90-100  | 64.34   |
| 100-110 | 25.59   |
| 110-120 | 11.22   |
| 120-130 | 4.12    |
| 130-140 | 0.99    |
| 140-150 | 0.13    |
| 150-160 | 0.17    |
| 160-170 | 0.19    |
| 170-180 | 0.07    |

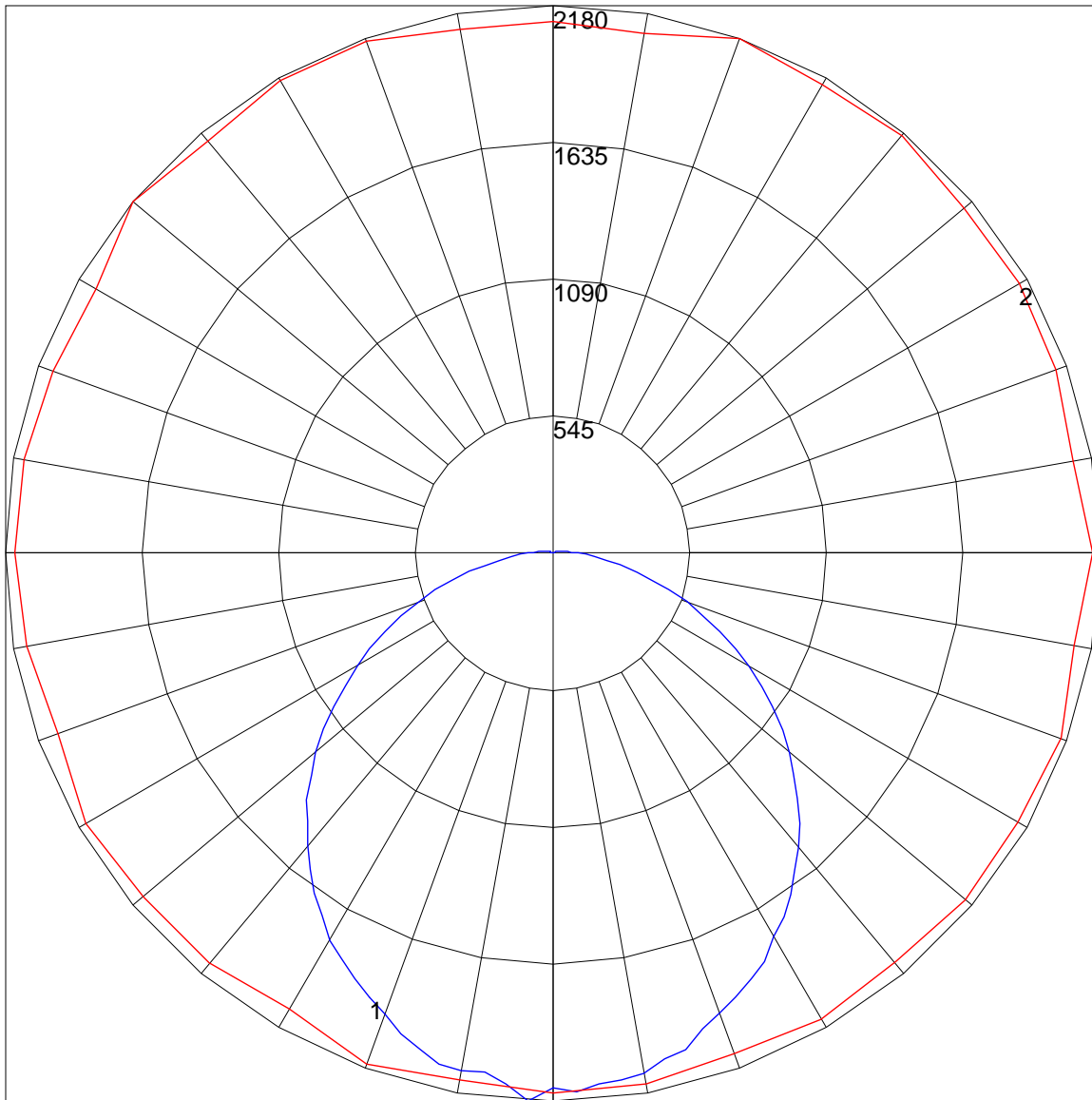
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTHOWT40120-277V-FL\_S.IES**

**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 | 110 | 110 | 110 | 105 | 105 | 105 | 100 | 100 | 100 | 98 |
| 1  | 108 | 103 | 98  | 94  | 105 | 100 | 96  | 93  | 96  | 93  | 90  | 92  | 89  | 86  | 88  | 86  | 84  | 81 |
| 2  | 98  | 90  | 83  | 77  | 95  | 88  | 81  | 76  | 84  | 78  | 74  | 80  | 76  | 72  | 77  | 73  | 70  | 68 |
| 3  | 89  | 79  | 70  | 64  | 87  | 77  | 69  | 63  | 74  | 67  | 62  | 71  | 65  | 60  | 68  | 63  | 59  | 57 |
| 4  | 82  | 70  | 61  | 54  | 79  | 68  | 60  | 54  | 65  | 58  | 53  | 63  | 57  | 52  | 61  | 55  | 51  | 49 |
| 5  | 75  | 62  | 53  | 46  | 73  | 61  | 52  | 46  | 59  | 51  | 45  | 56  | 50  | 45  | 54  | 49  | 44  | 42 |
| 6  | 69  | 56  | 47  | 41  | 67  | 55  | 46  | 40  | 53  | 45  | 40  | 51  | 44  | 39  | 49  | 43  | 39  | 37 |
| 7  | 64  | 51  | 42  | 36  | 63  | 50  | 42  | 36  | 48  | 41  | 35  | 47  | 40  | 35  | 45  | 39  | 34  | 32 |
| 8  | 60  | 46  | 38  | 32  | 58  | 46  | 37  | 32  | 44  | 37  | 31  | 43  | 36  | 31  | 41  | 35  | 31  | 29 |
| 9  | 56  | 43  | 34  | 29  | 54  | 42  | 34  | 29  | 41  | 33  | 28  | 39  | 33  | 28  | 38  | 32  | 28  | 26 |
| 10 | 52  | 39  | 31  | 26  | 51  | 39  | 31  | 26  | 38  | 31  | 26  | 36  | 30  | 26  | 35  | 30  | 25  | 24 |

POLAR GRAPH



Maximum Candela = 2179.78 Located At Horizontal Angle = 140, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (140 - 320) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)