



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS100LED4HTLOWT40120V-277V-FL_S.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Wed Jun 28 10:44:12 2017

[MANUFAC] BEGHELLI

[LUMINAIRE] BS100LED4HTLOWT40120V-277V-FL

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

[LAMPCAT] SPMWHT541MP5WAT0S5

[OTHER] Indoor Photometric Report

[OTHER] LUMINAIRE PROPERTIES

[OTHER] Number of lamps: 180

[OTHER] Lumens per lamp: 33.4

[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: 4.2

[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 | 5673 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 113 |
| 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) | 4.21 ft |
| Luminous Width (90-270) | 0.58 ft |
| Luminous Height | 0.32 ft |

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LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 7203 | 5521 | 5386 |
| 55 | 6067 | 4672 | 4545 |
| 65 | 4383 | 3677 | 3647 |
| 75 | 2575 | 2511 | 2543 |
| 85 | 1404 | 1336 | 1290 |

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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> |
|--------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 0.0 | 1972.33 | 1972.33 | 1972.33 | 1972.33 | 1972.33 | 1972.33 | 1972.33 | 1972.33 | 1972.33 | 1972.33 |
| 2.5 | 1957.84 | 1992.91 | 1984.07 | 1991.79 | 2003.53 | 2018.90 | 1994.55 | 1958.93 | 1976.90 | 1994.87 |
| 5.0 | 1984.00 | 1984.33 | 1978.57 | 1953.83 | 1978.98 | 1981.59 | 2000.02 | 1979.67 | 1953.68 | 1968.46 |
| 7.5 | 1948.75 | 1947.56 | 1940.00 | 1959.15 | 1940.06 | 1936.07 | 1952.69 | 1968.38 | 1953.22 | 1964.25 |
| 10.0 | 1933.50 | 1929.37 | 1954.49 | 1918.05 | 1930.95 | 1926.48 | 1954.55 | 1938.44 | 1930.58 | 1948.04 |
| 12.5 | 1904.86 | 1900.57 | 1895.44 | 1904.78 | 1889.38 | 1921.80 | 1909.59 | 1925.69 | 1921.47 | 1925.92 |
| 15.0 | 1868.02 | 1864.42 | 1888.90 | 1881.50 | 1891.52 | 1874.06 | 1870.86 | 1901.45 | 1892.26 | 1895.20 |
| 17.5 | 1842.91 | 1853.12 | 1841.72 | 1843.60 | 1851.51 | 1850.09 | 1856.84 | 1867.66 | 1860.17 | 1842.81 |
| 20.0 | 1808.42 | 1818.90 | 1809.29 | 1806.53 | 1805.94 | 1811.27 | 1811.52 | 1835.84 | 1835.37 | 1832.29 |
| 22.5 | 1772.66 | 1757.27 | 1765.10 | 1759.45 | 1766.52 | 1785.73 | 1789.15 | 1802.95 | 1818.43 | 1804.49 |
| 25.0 | 1718.97 | 1717.66 | 1722.14 | 1720.86 | 1732.90 | 1748.88 | 1740.91 | 1754.47 | 1766.17 | 1775.64 |
| 27.5 | 1687.84 | 1688.55 | 1670.91 | 1677.36 | 1682.04 | 1696.18 | 1697.45 | 1714.01 | 1718.69 | 1738.25 |
| 30.0 | 1621.61 | 1616.72 | 1618.02 | 1632.38 | 1628.97 | 1638.96 | 1648.11 | 1671.94 | 1673.81 | 1699.99 |
| 32.5 | 1559.98 | 1573.55 | 1570.55 | 1577.65 | 1580.19 | 1584.43 | 1596.93 | 1622.67 | 1633.92 | 1637.92 |
| 35.0 | 1516.18 | 1517.22 | 1514.99 | 1527.38 | 1521.07 | 1537.10 | 1552.64 | 1561.39 | 1583.14 | 1584.22 |
| 37.5 | 1460.29 | 1456.79 | 1451.64 | 1461.10 | 1468.24 | 1479.62 | 1484.24 | 1491.18 | 1529.92 | 1547.80 |
| 40.0 | 1389.94 | 1387.40 | 1393.74 | 1391.51 | 1406.55 | 1423.64 | 1433.58 | 1451.65 | 1461.15 | 1483.07 |
| 42.5 | 1315.79 | 1323.06 | 1325.25 | 1328.09 | 1342.32 | 1350.25 | 1370.01 | 1379.16 | 1400.11 | 1426.08 |
| 45.0 | 1246.54 | 1245.05 | 1255.16 | 1248.61 | 1278.46 | 1287.91 | 1297.56 | 1308.10 | 1341.85 | 1345.58 |
| 47.5 | 1157.75 | 1161.72 | 1171.00 | 1184.27 | 1202.23 | 1218.38 | 1234.10 | 1246.00 | 1272.17 | 1290.05 |
| 50.0 | 1071.54 | 1083.33 | 1094.13 | 1106.34 | 1130.19 | 1146.03 | 1161.97 | 1171.97 | 1199.66 | 1210.66 |
| 52.5 | 975.76 | 979.95 | 1003.66 | 1037.57 | 1048.28 | 1077.36 | 1086.34 | 1112.87 | 1122.94 | 1134.34 |
| 55.0 | 877.44 | 887.42 | 916.77 | 949.64 | 986.66 | 1007.39 | 1022.67 | 1034.74 | 1049.31 | 1061.48 |
| 57.5 | 777.82 | 795.46 | 824.12 | 865.55 | 903.74 | 937.18 | 953.54 | 956.78 | 979.56 | 985.35 |
| 60.0 | 671.87 | 693.29 | 728.27 | 782.60 | 823.93 | 856.79 | 878.11 | 887.68 | 897.59 | 915.78 |
| 62.5 | 585.01 | 605.18 | 641.10 | 702.16 | 745.90 | 781.08 | 805.98 | 811.90 | 827.26 | 848.17 |
| 65.0 | 490.03 | 502.85 | 556.75 | 616.92 | 671.61 | 710.03 | 730.31 | 744.44 | 758.04 | 766.55 |
| 67.5 | 402.81 | 422.24 | 473.50 | 536.24 | 593.19 | 633.00 | 657.96 | 674.32 | 680.89 | 691.77 |
| 70.0 | 319.77 | 344.53 | 396.56 | 460.33 | 523.64 | 558.45 | 588.74 | 593.59 | 613.25 | 612.46 |
| 72.5 | 251.40 | 274.86 | 320.26 | 388.85 | 444.68 | 485.28 | 503.75 | 518.36 | 528.66 | 534.11 |
| 75.0 | 194.68 | 210.23 | 264.18 | 324.15 | 376.90 | 409.94 | 432.23 | 439.97 | 446.71 | 458.91 |
| 77.5 | 143.12 | 162.01 | 207.99 | 260.11 | 309.72 | 340.05 | 355.27 | 363.64 | 367.82 | 372.18 |
| 80.0 | 104.84 | 122.26 | 161.42 | 205.45 | 252.79 | 281.41 | 288.56 | 294.80 | 299.56 | 304.56 |
| 82.5 | 72.76 | 89.25 | 122.68 | 160.53 | 197.20 | 222.96 | 230.26 | 234.86 | 237.35 | 241.54 |
| 85.0 | 52.08 | 65.57 | 93.19 | 123.64 | 150.15 | 172.51 | 178.96 | 183.48 | 186.99 | 187.32 |
| 87.5 | 35.17 | 45.83 | 66.28 | 90.08 | 117.66 | 131.35 | 135.81 | 140.26 | 143.03 | 142.07 |
| 90.0 | 21.60 | 30.96 | 48.91 | 68.03 | 87.93 | 99.17 | 107.83 | 107.37 | 107.62 | 106.93 |
| 92.5 | 13.44 | 21.28 | 34.40 | 50.68 | 65.02 | 76.64 | 79.94 | 82.99 | 80.89 | 81.91 |
| 95.0 | 9.66 | 13.74 | 25.49 | 36.58 | 49.57 | 56.59 | 61.88 | 62.08 | 64.71 | 61.97 |
| 97.5 | 7.77 | 9.35 | 18.57 | 27.07 | 36.42 | 43.66 | 46.50 | 47.64 | 48.09 | 49.93 |
| 100.0 | 5.70 | 7.11 | 12.24 | 20.16 | 27.13 | 33.02 | 37.27 | 38.12 | 39.00 | 38.49 |
| 102.5 | 4.13 | 5.16 | 8.46 | 15.41 | 20.50 | 25.47 | 29.62 | 30.84 | 31.29 | 32.58 |
| 105.0 | 4.35 | 4.56 | 6.27 | 10.74 | 15.45 | 19.19 | 24.29 | 26.15 | 26.29 | 26.33 |
| 107.5 | 3.42 | 3.57 | 4.19 | 7.17 | 10.85 | 15.55 | 18.30 | 20.47 | 22.69 | 22.02 |
| 110.0 | 2.91 | 3.14 | 3.34 | 5.30 | 8.89 | 11.74 | 14.77 | 16.12 | 17.92 | 18.98 |
| 112.5 | 2.70 | 2.63 | 2.56 | 3.51 | 5.76 | 8.69 | 11.55 | 13.81 | 15.01 | 14.58 |
| 115.0 | 1.88 | 2.32 | 2.05 | 2.61 | 4.26 | 6.67 | 9.52 | 10.50 | 11.82 | 11.55 |
| 117.5 | 1.64 | 1.81 | 1.45 | 1.48 | 2.80 | 4.86 | 7.24 | 8.23 | 10.28 | 9.98 |
| 120.0 | 1.43 | 1.45 | 1.38 | 1.14 | 2.11 | 3.63 | 5.06 | 7.01 | 7.60 | 7.48 |
| 122.5 | 1.25 | 1.17 | 1.03 | 0.86 | 1.12 | 2.16 | 3.91 | 4.67 | 5.78 | 6.18 |
| 125.0 | 0.79 | 1.02 | 0.82 | 0.58 | 0.51 | 1.26 | 2.42 | 3.69 | 3.88 | 4.17 |
| 127.5 | 0.79 | 0.54 | 0.59 | 0.48 | 0.30 | 0.76 | 1.45 | 2.35 | 2.86 | 2.97 |
| 130.0 | 0.49 | 0.58 | 0.43 | 0.33 | 0.13 | 0.22 | 0.64 | 1.33 | 1.71 | 1.83 |
| 132.5 | 0.40 | 0.36 | 0.35 | 0.22 | 0.04 | 0.05 | 0.23 | 0.42 | 0.88 | 1.06 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|------|------|
| 135.0 | 0.26 | 0.21 | 0.16 | 0.10 | 0.05 | 0.00 | 0.00 | 0.12 | 0.67 | 0.59 |
| 137.5 | 0.13 | 0.18 | 0.18 | 0.09 | 0.02 | 0.02 | 0.00 | 0.00 | 0.09 | 0.08 |
| 140.0 | 0.09 | 0.11 | 0.08 | 0.06 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142.5 | 0.03 | 0.06 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145.0 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 147.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 167.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Vert.
Angles**

Horizontal Angles

| | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 |
|------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 0.0 | 1972.33 | 1972.33 | 1972.33 | 1972.33 | 1972.33 | 1972.33 | 1972.33 | 1972.33 | 1972.33 | 1972.33 |
| 2.5 | 1981.41 | 1978.16 | 1998.04 | 1987.99 | 1940.47 | 1996.35 | 2015.84 | 1991.71 | 1987.72 | 1988.41 |
| 5.0 | 1970.84 | 1969.78 | 1985.80 | 1982.19 | 1990.77 | 1991.33 | 1981.29 | 1997.75 | 1971.16 | 1974.94 |
| 7.5 | 1964.93 | 1980.52 | 1960.58 | 1956.16 | 1952.20 | 1954.04 | 1974.97 | 1967.70 | 1963.75 | 1985.81 |
| 10.0 | 1938.97 | 1959.10 | 1943.93 | 1942.17 | 1951.18 | 1945.09 | 1952.50 | 1974.97 | 1935.33 | 1951.95 |
| 12.5 | 1919.50 | 1907.96 | 1921.09 | 1928.54 | 1916.78 | 1935.92 | 1916.32 | 1925.84 | 1904.15 | 1917.89 |
| 15.0 | 1893.04 | 1897.28 | 1888.24 | 1889.55 | 1884.02 | 1890.12 | 1884.28 | 1890.44 | 1887.54 | 1902.66 |
| 17.5 | 1874.19 | 1861.50 | 1883.78 | 1843.06 | 1859.89 | 1887.46 | 1872.09 | 1878.37 | 1846.82 | 1862.98 |
| 20.0 | 1830.03 | 1835.20 | 1837.58 | 1831.32 | 1832.44 | 1828.66 | 1819.23 | 1822.13 | 1826.96 | 1831.88 |
| 22.5 | 1806.39 | 1808.44 | 1790.37 | 1801.84 | 1793.99 | 1779.20 | 1766.24 | 1775.52 | 1798.62 | 1796.81 |
| 25.0 | 1776.09 | 1768.32 | 1751.92 | 1749.66 | 1748.37 | 1750.09 | 1745.21 | 1744.99 | 1734.75 | 1749.37 |
| 27.5 | 1728.78 | 1727.17 | 1713.36 | 1699.11 | 1693.67 | 1704.31 | 1696.89 | 1699.96 | 1703.48 | 1700.26 |
| 30.0 | 1692.62 | 1686.03 | 1677.18 | 1652.86 | 1652.72 | 1649.62 | 1643.57 | 1639.52 | 1661.42 | 1651.95 |
| 32.5 | 1638.14 | 1621.92 | 1619.32 | 1609.79 | 1604.03 | 1605.92 | 1602.78 | 1606.73 | 1596.21 | 1604.19 |
| 35.0 | 1588.24 | 1563.07 | 1563.28 | 1553.91 | 1551.71 | 1534.76 | 1546.57 | 1547.39 | 1551.30 | 1546.41 |
| 37.5 | 1536.30 | 1517.83 | 1500.42 | 1497.81 | 1480.01 | 1490.90 | 1485.34 | 1480.72 | 1481.60 | 1475.36 |
| 40.0 | 1476.53 | 1459.03 | 1440.96 | 1430.95 | 1433.94 | 1422.74 | 1424.27 | 1412.88 | 1418.01 | 1419.55 |
| 42.5 | 1412.95 | 1392.70 | 1379.05 | 1381.64 | 1372.42 | 1351.65 | 1349.41 | 1347.58 | 1343.81 | 1352.88 |
| 45.0 | 1346.55 | 1326.71 | 1311.93 | 1305.59 | 1298.23 | 1290.31 | 1275.86 | 1271.70 | 1259.50 | 1276.15 |
| 47.5 | 1279.09 | 1266.54 | 1247.23 | 1242.47 | 1233.11 | 1217.16 | 1199.00 | 1193.82 | 1191.05 | 1197.23 |
| 50.0 | 1204.22 | 1191.10 | 1171.61 | 1158.72 | 1151.82 | 1136.23 | 1115.16 | 1094.29 | 1095.17 | 1103.80 |
| 52.5 | 1127.88 | 1117.05 | 1103.86 | 1097.76 | 1077.17 | 1056.95 | 1032.38 | 1013.38 | 1013.04 | 1019.15 |
| 55.0 | 1059.05 | 1041.88 | 1039.28 | 1019.85 | 998.27 | 978.12 | 946.08 | 916.17 | 908.30 | 917.41 |
| 57.5 | 989.66 | 965.02 | 964.28 | 947.35 | 926.66 | 895.68 | 854.36 | 824.50 | 807.77 | 824.51 |
| 60.0 | 914.84 | 893.80 | 890.98 | 875.89 | 849.94 | 815.00 | 762.98 | 727.37 | 719.82 | 723.46 |
| 62.5 | 834.24 | 821.25 | 815.13 | 802.43 | 767.89 | 725.18 | 677.43 | 632.74 | 617.93 | 636.25 |
| 65.0 | 764.45 | 749.52 | 745.23 | 724.86 | 691.13 | 648.37 | 582.19 | 542.69 | 523.35 | 542.46 |
| 67.5 | 684.28 | 678.27 | 665.34 | 647.95 | 612.88 | 561.84 | 500.10 | 459.06 | 439.79 | 461.97 |
| 70.0 | 608.00 | 603.59 | 596.17 | 570.22 | 545.25 | 484.45 | 425.28 | 378.51 | 360.96 | 377.13 |
| 72.5 | 530.41 | 523.48 | 517.06 | 499.79 | 462.48 | 418.87 | 355.09 | 308.68 | 291.07 | 309.37 |
| 75.0 | 453.99 | 444.21 | 440.97 | 424.06 | 390.80 | 347.62 | 289.30 | 245.05 | 224.53 | 242.69 |
| 77.5 | 370.16 | 369.49 | 365.53 | 350.82 | 326.97 | 278.28 | 234.52 | 191.41 | 174.63 | 188.88 |
| 80.0 | 296.90 | 298.49 | 293.91 | 286.16 | 262.70 | 223.41 | 184.60 | 142.79 | 127.00 | 143.51 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|
| 82.5 | 239.09 | 238.55 | 234.57 | 225.85 | 202.62 | 173.08 | 139.49 | 107.39 | 93.19 | 108.02 |
| 85.0 | 186.14 | 187.54 | 183.15 | 173.60 | 157.39 | 132.41 | 102.22 | 78.43 | 65.06 | 77.55 |
| 87.5 | 144.49 | 142.13 | 142.12 | 134.51 | 119.80 | 98.83 | 77.16 | 55.65 | 44.19 | 56.00 |
| 90.0 | 107.26 | 109.07 | 106.57 | 103.36 | 92.32 | 74.99 | 55.49 | 37.80 | 28.43 | 37.55 |
| 92.5 | 81.55 | 83.64 | 80.39 | 78.38 | 66.48 | 53.14 | 39.47 | 25.26 | 18.79 | 25.60 |
| 95.0 | 64.88 | 64.13 | 62.76 | 57.91 | 50.78 | 41.34 | 28.27 | 17.02 | 12.98 | 16.67 |
| 97.5 | 48.44 | 49.98 | 47.87 | 44.03 | 37.83 | 29.30 | 20.42 | 12.77 | 10.28 | 12.45 |
| 100.0 | 38.96 | 38.89 | 37.10 | 33.78 | 28.44 | 22.04 | 15.27 | 9.59 | 9.21 | 9.04 |
| 102.5 | 32.09 | 31.08 | 28.96 | 26.13 | 22.29 | 16.33 | 11.85 | 7.29 | 6.61 | 7.89 |
| 105.0 | 26.48 | 25.52 | 23.16 | 21.05 | 17.41 | 12.99 | 9.19 | 6.14 | 6.10 | 6.34 |
| 107.5 | 21.18 | 20.78 | 19.08 | 15.11 | 12.70 | 9.34 | 6.66 | 5.56 | 4.95 | 5.49 |
| 110.0 | 18.25 | 16.95 | 15.06 | 12.86 | 10.29 | 7.88 | 5.58 | 5.46 | 4.98 | 5.24 |
| 112.5 | 14.19 | 14.06 | 11.75 | 10.17 | 7.39 | 5.85 | 4.70 | 4.75 | 4.82 | 4.60 |
| 115.0 | 12.23 | 10.72 | 9.35 | 7.31 | 5.47 | 4.03 | 4.08 | 3.84 | 3.84 | 4.33 |
| 117.5 | 9.16 | 8.38 | 7.93 | 5.58 | 3.59 | 3.28 | 2.98 | 3.13 | 3.12 | 3.54 |
| 120.0 | 7.36 | 7.47 | 5.69 | 3.67 | 2.72 | 2.58 | 2.65 | 2.39 | 2.77 | 3.02 |
| 122.5 | 6.07 | 4.56 | 3.61 | 2.70 | 1.56 | 1.76 | 2.27 | 2.37 | 1.86 | 2.55 |
| 125.0 | 3.87 | 3.07 | 2.73 | 1.40 | 1.08 | 1.17 | 1.77 | 1.52 | 1.90 | 1.91 |
| 127.5 | 3.02 | 2.45 | 1.25 | 0.87 | 0.61 | 0.88 | 0.86 | 1.27 | 1.41 | 1.52 |
| 130.0 | 1.90 | 1.37 | 0.74 | 0.36 | 0.26 | 0.66 | 0.80 | 0.90 | 1.10 | 1.04 |
| 132.5 | 1.04 | 0.53 | 0.38 | 0.02 | 0.21 | 0.45 | 0.73 | 0.58 | 0.68 | 0.84 |
| 135.0 | 0.40 | 0.23 | 0.02 | 0.11 | 0.06 | 0.33 | 0.33 | 0.45 | 0.56 | 0.40 |
| 137.5 | 0.02 | 0.00 | 0.02 | 0.03 | 0.05 | 0.11 | 0.20 | 0.35 | 0.25 | 0.23 |
| 140.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.03 | 0.08 | 0.16 | 0.07 | 0.17 |
| 142.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.02 | 0.04 |
| 145.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 147.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 167.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**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 | 1972.33 | 1972.33 | 1972.33 | 1972.33 | 1972.33 | 1972.33 | 1972.33 | 1972.33 | 1972.33 | 1972.33 |
| 2.5 | 1965.33 | 2033.40 | 1993.98 | 2000.95 | 2024.90 | 1955.49 | 2017.19 | 1998.81 | 1971.78 | 1988.06 |
| 5.0 | 1989.07 | 1974.18 | 1973.66 | 1993.02 | 1961.20 | 1952.88 | 2010.46 | 1946.42 | 1990.04 | 1945.56 |
| 7.5 | 1951.29 | 1990.51 | 1970.59 | 1966.91 | 1962.91 | 1952.49 | 1947.01 | 1956.82 | 1935.99 | 1960.63 |
| 10.0 | 1961.59 | 1942.07 | 1938.45 | 1929.90 | 1942.18 | 1928.06 | 1934.74 | 1937.33 | 1931.11 | 1906.34 |
| 12.5 | 1927.38 | 1921.04 | 1895.52 | 1899.06 | 1937.47 | 1932.03 | 1931.74 | 1911.13 | 1913.73 | 1917.09 |
| 15.0 | 1898.35 | 1896.01 | 1913.40 | 1912.25 | 1878.20 | 1884.60 | 1895.02 | 1891.50 | 1885.60 | 1898.33 |
| 17.5 | 1864.12 | 1854.06 | 1856.50 | 1857.91 | 1858.24 | 1855.07 | 1865.24 | 1859.10 | 1868.17 | 1865.71 |
| 20.0 | 1813.28 | 1829.93 | 1833.62 | 1842.05 | 1829.62 | 1844.15 | 1839.97 | 1837.54 | 1840.12 | 1829.49 |
| 22.5 | 1791.02 | 1767.18 | 1784.22 | 1796.21 | 1791.22 | 1804.68 | 1802.41 | 1821.19 | 1813.22 | 1788.85 |
| 25.0 | 1735.77 | 1741.13 | 1748.06 | 1738.31 | 1751.68 | 1771.78 | 1786.14 | 1775.23 | 1773.01 | 1756.01 |
| 27.5 | 1693.48 | 1704.80 | 1712.56 | 1707.06 | 1709.35 | 1712.70 | 1725.37 | 1738.66 | 1738.55 | 1710.37 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS100LED4HTLOWT40120V-277V-FL_S.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 30.0 | 1651.59 | 1653.26 | 1661.68 | 1654.06 | 1652.60 | 1673.46 | 1693.88 | 1688.38 | 1671.18 | 1665.80 |
| 32.5 | 1603.95 | 1603.29 | 1603.43 | 1609.82 | 1614.29 | 1635.01 | 1643.88 | 1634.71 | 1631.72 | 1630.05 |
| 35.0 | 1540.48 | 1545.21 | 1541.60 | 1551.10 | 1554.58 | 1575.30 | 1594.73 | 1584.79 | 1587.69 | 1570.85 |
| 37.5 | 1485.65 | 1479.38 | 1495.97 | 1497.85 | 1503.43 | 1526.66 | 1538.55 | 1544.36 | 1531.57 | 1507.20 |
| 40.0 | 1423.44 | 1419.21 | 1425.28 | 1443.75 | 1450.80 | 1452.71 | 1476.83 | 1484.82 | 1468.53 | 1453.13 |
| 42.5 | 1352.79 | 1354.94 | 1362.44 | 1382.45 | 1372.30 | 1390.63 | 1405.49 | 1421.74 | 1404.08 | 1377.77 |
| 45.0 | 1271.52 | 1280.20 | 1300.92 | 1307.53 | 1310.78 | 1322.42 | 1342.28 | 1347.59 | 1340.87 | 1313.81 |
| 47.5 | 1199.55 | 1215.03 | 1227.87 | 1241.04 | 1242.86 | 1253.96 | 1275.69 | 1288.87 | 1270.36 | 1243.83 |
| 50.0 | 1118.11 | 1135.37 | 1154.04 | 1161.67 | 1185.69 | 1193.31 | 1211.52 | 1209.55 | 1196.01 | 1176.58 |
| 52.5 | 1030.66 | 1061.77 | 1071.96 | 1095.52 | 1111.54 | 1121.76 | 1125.18 | 1146.46 | 1133.50 | 1111.71 |
| 55.0 | 942.14 | 971.78 | 1003.29 | 1023.14 | 1034.85 | 1045.19 | 1052.20 | 1065.09 | 1049.81 | 1035.13 |
| 57.5 | 851.68 | 896.04 | 925.63 | 954.64 | 966.77 | 971.67 | 978.21 | 989.79 | 976.37 | 959.52 |
| 60.0 | 760.14 | 812.04 | 846.21 | 868.50 | 887.81 | 895.49 | 914.29 | 914.19 | 902.07 | 888.83 |
| 62.5 | 670.52 | 726.64 | 770.80 | 797.56 | 814.79 | 832.10 | 835.14 | 849.61 | 830.24 | 818.10 |
| 65.0 | 586.28 | 644.50 | 692.52 | 719.91 | 742.84 | 751.45 | 760.99 | 759.88 | 753.19 | 743.48 |
| 67.5 | 500.95 | 564.22 | 618.11 | 648.04 | 663.98 | 677.02 | 683.03 | 693.92 | 680.96 | 667.37 |
| 70.0 | 424.94 | 486.29 | 540.72 | 577.76 | 594.36 | 602.84 | 606.59 | 615.24 | 606.31 | 591.30 |
| 72.5 | 354.17 | 407.99 | 468.13 | 499.31 | 516.42 | 520.14 | 529.26 | 536.64 | 528.20 | 509.68 |
| 75.0 | 291.18 | 346.14 | 392.49 | 427.33 | 442.01 | 444.14 | 446.92 | 454.69 | 445.12 | 439.44 |
| 77.5 | 234.25 | 282.70 | 323.35 | 351.50 | 367.57 | 367.33 | 374.71 | 375.34 | 369.90 | 363.15 |
| 80.0 | 185.91 | 226.87 | 261.44 | 286.74 | 298.75 | 296.50 | 302.49 | 303.04 | 296.17 | 295.64 |
| 82.5 | 140.08 | 173.29 | 203.37 | 223.23 | 233.88 | 234.97 | 235.65 | 242.25 | 235.63 | 235.45 |
| 85.0 | 104.99 | 132.57 | 159.38 | 177.71 | 182.15 | 186.17 | 186.84 | 185.38 | 186.45 | 183.53 |
| 87.5 | 76.67 | 97.84 | 120.25 | 132.36 | 140.15 | 141.66 | 144.57 | 140.66 | 144.31 | 142.75 |
| 90.0 | 55.26 | 72.44 | 89.27 | 102.11 | 107.41 | 108.10 | 109.89 | 109.42 | 108.16 | 109.02 |
| 92.5 | 39.24 | 55.72 | 67.55 | 75.54 | 80.31 | 82.68 | 81.81 | 81.38 | 83.03 | 81.91 |
| 95.0 | 28.44 | 40.01 | 50.73 | 58.98 | 62.25 | 63.61 | 63.20 | 62.95 | 63.38 | 62.08 |
| 97.5 | 21.10 | 29.71 | 38.50 | 43.11 | 47.40 | 49.53 | 49.38 | 48.49 | 49.00 | 48.87 |
| 100.0 | 15.23 | 22.60 | 28.58 | 34.15 | 37.39 | 38.49 | 39.02 | 39.16 | 38.48 | 39.00 |
| 102.5 | 11.03 | 16.34 | 21.46 | 26.29 | 29.47 | 32.79 | 32.01 | 31.02 | 32.16 | 31.45 |
| 105.0 | 8.78 | 12.25 | 17.20 | 20.61 | 24.38 | 26.22 | 26.16 | 27.09 | 27.42 | 25.97 |
| 107.5 | 6.50 | 9.60 | 13.08 | 16.24 | 19.29 | 20.62 | 21.91 | 21.61 | 21.73 | 20.50 |
| 110.0 | 5.58 | 7.46 | 10.14 | 12.63 | 15.30 | 17.50 | 18.30 | 19.17 | 17.64 | 17.13 |
| 112.5 | 4.79 | 5.66 | 7.36 | 10.09 | 12.37 | 14.54 | 14.88 | 15.28 | 15.44 | 14.59 |
| 115.0 | 4.16 | 3.76 | 5.25 | 7.01 | 9.37 | 11.08 | 11.75 | 11.91 | 12.38 | 10.31 |
| 117.5 | 3.15 | 3.02 | 3.93 | 5.19 | 7.58 | 8.74 | 9.45 | 9.09 | 9.46 | 8.79 |
| 120.0 | 2.96 | 2.35 | 2.56 | 3.55 | 5.08 | 6.91 | 7.09 | 7.53 | 6.98 | 6.82 |
| 122.5 | 2.20 | 1.70 | 1.62 | 2.49 | 3.70 | 4.71 | 5.35 | 5.79 | 5.13 | 4.32 |
| 125.0 | 1.74 | 1.41 | 0.71 | 1.70 | 2.73 | 2.95 | 3.85 | 4.17 | 3.64 | 3.25 |
| 127.5 | 1.29 | 0.81 | 0.62 | 0.81 | 1.61 | 2.19 | 2.49 | 3.40 | 2.79 | 2.27 |
| 130.0 | 0.91 | 0.80 | 0.43 | 0.24 | 0.69 | 1.30 | 1.78 | 1.96 | 1.53 | 1.51 |
| 132.5 | 0.56 | 0.36 | 0.20 | 0.12 | 0.13 | 0.52 | 0.87 | 1.01 | 0.92 | 0.62 |
| 135.0 | 0.31 | 0.38 | 0.13 | 0.04 | 0.00 | 0.05 | 0.37 | 0.36 | 0.27 | 0.13 |
| 137.5 | 0.13 | 0.15 | 0.07 | 0.03 | 0.00 | 0.00 | 0.02 | 0.03 | 0.00 | 0.00 |
| 140.0 | 0.11 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142.5 | 0.02 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145.0 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 147.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 167.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS100LED4HTLOWT40120V-277V-FL_S.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|------|------|
| 170.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Vert. Horizontal Angles
Angles

| | 300 | 310 | 320 | 330 | 340 | 350 | 360 |
|-------|------------|------------|------------|------------|------------|------------|------------|
| 0.0 | 1972.33 | 1972.33 | 1972.33 | 1972.33 | 1972.33 | 1972.33 | 1972.33 |
| 2.5 | 2015.07 | 1976.50 | 1985.38 | 1985.27 | 1993.49 | 1969.17 | 1958.13 |
| 5.0 | 1980.64 | 1974.65 | 1953.09 | 1960.13 | 1972.58 | 1939.00 | 1984.00 |
| 7.5 | 1978.92 | 1945.87 | 1960.73 | 1982.20 | 1944.61 | 1959.68 | 1948.75 |
| 10.0 | 1928.65 | 1933.05 | 1922.87 | 1942.79 | 1922.95 | 1950.82 | 1933.57 |
| 12.5 | 1916.58 | 1899.40 | 1892.34 | 1899.51 | 1930.67 | 1906.01 | 1904.90 |
| 15.0 | 1893.47 | 1882.86 | 1875.93 | 1876.13 | 1874.44 | 1867.58 | 1868.02 |
| 17.5 | 1858.25 | 1849.92 | 1842.77 | 1852.96 | 1835.23 | 1860.96 | 1842.91 |
| 20.0 | 1825.92 | 1829.23 | 1812.05 | 1801.28 | 1812.37 | 1793.16 | 1808.46 |
| 22.5 | 1778.75 | 1767.24 | 1772.37 | 1764.34 | 1765.14 | 1760.03 | 1772.66 |
| 25.0 | 1733.11 | 1737.17 | 1733.63 | 1734.98 | 1729.86 | 1711.55 | 1718.97 |
| 27.5 | 1710.64 | 1677.47 | 1684.09 | 1690.02 | 1663.81 | 1671.68 | 1687.86 |
| 30.0 | 1671.08 | 1634.05 | 1636.60 | 1630.68 | 1617.53 | 1614.96 | 1621.61 |
| 32.5 | 1606.64 | 1589.66 | 1577.95 | 1572.83 | 1565.93 | 1570.34 | 1560.00 |
| 35.0 | 1546.12 | 1530.25 | 1524.28 | 1524.54 | 1511.05 | 1515.35 | 1516.18 |
| 37.5 | 1480.81 | 1482.08 | 1471.80 | 1461.27 | 1466.10 | 1458.03 | 1460.29 |
| 40.0 | 1420.09 | 1410.02 | 1404.43 | 1389.99 | 1389.67 | 1392.73 | 1389.96 |
| 42.5 | 1367.63 | 1352.02 | 1347.33 | 1327.70 | 1328.73 | 1319.87 | 1315.79 |
| 45.0 | 1299.53 | 1277.88 | 1273.94 | 1257.44 | 1259.00 | 1236.21 | 1246.56 |
| 47.5 | 1237.45 | 1221.27 | 1200.23 | 1181.22 | 1174.95 | 1164.02 | 1157.75 |
| 50.0 | 1160.55 | 1146.27 | 1132.21 | 1110.60 | 1087.84 | 1076.65 | 1071.54 |
| 52.5 | 1090.78 | 1087.76 | 1056.10 | 1035.31 | 1004.93 | 979.71 | 975.76 |
| 55.0 | 1024.72 | 1008.86 | 983.08 | 957.57 | 916.90 | 885.60 | 877.44 |
| 57.5 | 955.20 | 934.79 | 904.17 | 871.09 | 822.35 | 798.05 | 777.82 |
| 60.0 | 873.15 | 855.46 | 824.60 | 784.59 | 728.92 | 696.53 | 671.88 |
| 62.5 | 798.54 | 779.25 | 753.17 | 704.09 | 640.94 | 597.73 | 585.02 |
| 65.0 | 731.53 | 707.44 | 671.47 | 613.29 | 551.55 | 502.82 | 490.03 |
| 67.5 | 655.01 | 631.13 | 595.58 | 538.97 | 470.11 | 422.50 | 402.83 |
| 70.0 | 579.11 | 560.74 | 517.80 | 460.46 | 397.17 | 341.85 | 319.78 |
| 72.5 | 506.91 | 487.75 | 448.13 | 388.37 | 324.17 | 273.17 | 251.40 |
| 75.0 | 429.26 | 411.45 | 372.62 | 322.01 | 262.63 | 211.88 | 194.68 |
| 77.5 | 358.78 | 343.88 | 311.67 | 261.43 | 207.40 | 161.93 | 143.14 |
| 80.0 | 292.74 | 278.97 | 249.19 | 207.97 | 162.64 | 122.00 | 104.84 |
| 82.5 | 228.84 | 219.09 | 197.23 | 160.76 | 125.40 | 90.39 | 72.77 |
| 85.0 | 177.30 | 172.66 | 150.95 | 122.29 | 93.72 | 66.12 | 52.08 |
| 87.5 | 140.88 | 129.34 | 117.28 | 90.86 | 67.51 | 44.72 | 35.17 |
| 90.0 | 105.93 | 99.42 | 87.09 | 69.13 | 48.59 | 30.96 | 21.60 |
| 92.5 | 79.52 | 73.83 | 64.79 | 51.21 | 35.41 | 20.66 | 13.45 |
| 95.0 | 60.21 | 55.91 | 48.62 | 37.90 | 24.40 | 14.34 | 9.66 |
| 97.5 | 47.66 | 43.57 | 36.70 | 26.80 | 16.80 | 9.25 | 7.78 |
| 100.0 | 36.54 | 33.83 | 26.44 | 19.35 | 12.13 | 6.82 | 5.70 |
| 102.5 | 29.22 | 26.29 | 20.39 | 14.26 | 9.01 | 5.27 | 4.13 |
| 105.0 | 23.15 | 19.48 | 15.05 | 10.65 | 5.94 | 4.00 | 4.35 |
| 107.5 | 17.61 | 15.34 | 11.50 | 7.76 | 4.25 | 3.42 | 3.42 |
| 110.0 | 14.78 | 11.49 | 8.49 | 5.24 | 3.50 | 3.47 | 2.91 |
| 112.5 | 11.55 | 9.23 | 6.40 | 3.67 | 2.45 | 2.42 | 2.70 |
| 115.0 | 9.58 | 6.98 | 4.05 | 2.38 | 1.94 | 2.14 | 1.88 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS100LED4HTLOWT40120V-277V-FL_S.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | |
|-------|------|------|------|------|------|------|------|
| 117.5 | 7.14 | 4.95 | 2.73 | 1.34 | 1.50 | 1.87 | 1.64 |
| 120.0 | 5.11 | 4.35 | 1.99 | 0.91 | 1.38 | 1.61 | 1.44 |
| 122.5 | 3.55 | 2.40 | 0.82 | 0.67 | 1.03 | 1.19 | 1.27 |
| 125.0 | 2.61 | 1.39 | 0.39 | 0.68 | 0.83 | 1.02 | 0.79 |
| 127.5 | 1.54 | 0.52 | 0.21 | 0.50 | 0.63 | 0.70 | 0.79 |
| 130.0 | 0.60 | 0.18 | 0.13 | 0.35 | 0.50 | 0.72 | 0.49 |
| 132.5 | 0.10 | 0.03 | 0.07 | 0.20 | 0.25 | 0.33 | 0.40 |
| 135.0 | 0.00 | 0.02 | 0.06 | 0.11 | 0.16 | 0.25 | 0.26 |
| 137.5 | 0.00 | 0.02 | 0.00 | 0.11 | 0.10 | 0.18 | 0.13 |
| 140.0 | 0.00 | 0.00 | 0.00 | 0.05 | 0.04 | 0.07 | 0.09 |
| 142.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.03 |
| 145.0 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.02 |
| 147.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 167.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS100LED4HTLOWT40120V-277V-FL_S.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 720.22 | N.A. | 12.70 |
| 0-30 | 1524.97 | N.A. | 26.90 |
| 0-40 | 2493.78 | N.A. | 44.00 |
| 0-60 | 4375.74 | N.A. | 77.10 |
| 0-80 | 5427.43 | N.A. | 95.70 |
| 0-90 | 5591.54 | N.A. | 98.60 |
| 10-90 | 5404.16 | N.A. | 95.30 |
| 20-40 | 1773.56 | N.A. | 31.30 |
| 20-50 | 2771.3 | N.A. | 48.80 |
| 40-70 | 2543.09 | N.A. | 44.80 |
| 60-80 | 1051.69 | N.A. | 18.50 |
| 70-80 | 390.56 | N.A. | 6.90 |
| 80-90 | 164.11 | N.A. | 2.90 |
| 90-110 | 72.28 | N.A. | 1.30 |
| 90-120 | 79.32 | N.A. | 1.40 |
| 90-130 | 81.30 | N.A. | 1.40 |
| 90-150 | 81.54 | N.A. | 1.40 |
| 90-180 | 81.54 | N.A. | 1.40 |
| 110-180 | 9.26 | N.A. | 0.20 |
| 0-180 | 5673.09 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 187.38 |
| 10-20 | 532.84 |
| 20-30 | 804.75 |
| 30-40 | 968.81 |
| 40-50 | 997.74 |
| 50-60 | 884.22 |
| 60-70 | 661.13 |
| 70-80 | 390.56 |
| 80-90 | 164.11 |
| 90-100 | 53.59 |
| 100-110 | 18.69 |
| 110-120 | 7.03 |
| 120-130 | 1.99 |
| 130-140 | 0.24 |
| 140-150 | 0.00 |
| 150-160 | 0.00 |
| 160-170 | 0.00 |
| 170-180 | 0.00 |

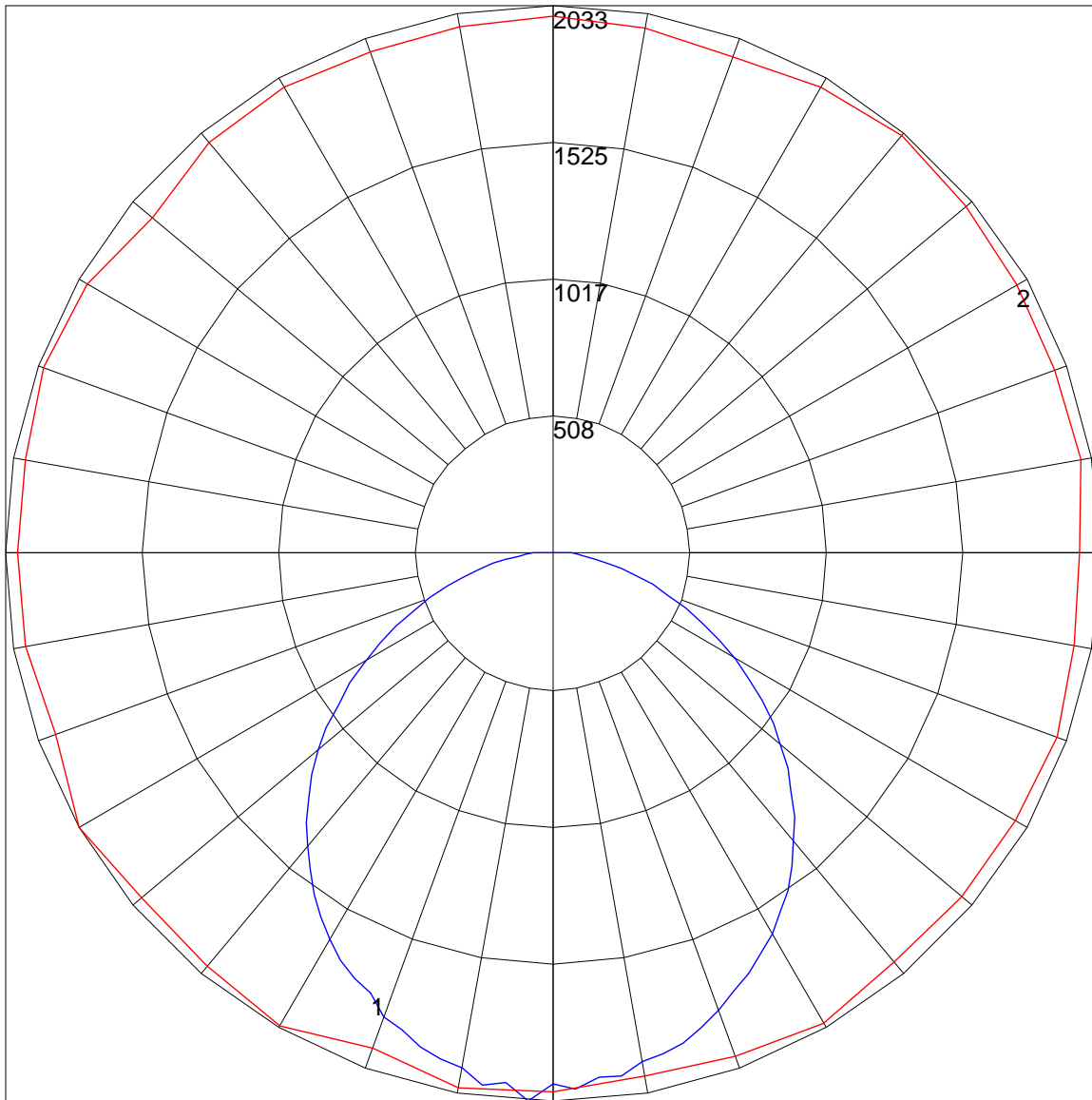
IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS100LED4HTLOWT40120V-277V-FL_S.IES

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 | 101 | 101 | 101 | 99 |
| 1 | 108 | 103 | 99 | 95 | 105 | 101 | 97 | 93 | 96 | 93 | 90 | 92 | 89 | 87 | 88 | 86 | 84 | 82 |
| 2 | 98 | 90 | 83 | 77 | 95 | 88 | 81 | 76 | 84 | 79 | 74 | 80 | 76 | 72 | 77 | 74 | 70 | 68 |
| 3 | 90 | 79 | 71 | 64 | 87 | 77 | 69 | 63 | 74 | 67 | 62 | 71 | 65 | 61 | 68 | 64 | 59 | 57 |
| 4 | 82 | 70 | 61 | 54 | 80 | 68 | 60 | 54 | 66 | 59 | 53 | 63 | 57 | 52 | 61 | 56 | 51 | 49 |
| 5 | 75 | 62 | 53 | 47 | 73 | 61 | 53 | 46 | 59 | 51 | 46 | 57 | 50 | 45 | 55 | 49 | 44 | 42 |
| 6 | 70 | 56 | 47 | 41 | 68 | 55 | 47 | 40 | 53 | 46 | 40 | 51 | 45 | 40 | 50 | 44 | 39 | 37 |
| 7 | 65 | 51 | 42 | 36 | 63 | 50 | 42 | 36 | 48 | 41 | 35 | 47 | 40 | 35 | 45 | 39 | 35 | 33 |
| 8 | 60 | 46 | 38 | 32 | 58 | 46 | 38 | 32 | 44 | 37 | 32 | 43 | 36 | 31 | 42 | 36 | 31 | 29 |
| 9 | 56 | 43 | 34 | 29 | 55 | 42 | 34 | 29 | 41 | 34 | 28 | 40 | 33 | 28 | 38 | 32 | 28 | 26 |
| 10 | 53 | 39 | 31 | 26 | 51 | 39 | 31 | 26 | 38 | 31 | 26 | 37 | 30 | 26 | 36 | 30 | 25 | 24 |

POLAR GRAPH



Maximum Candela = 2033.4 Located At Horizontal Angle = 210, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (210 - 30) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)