



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPL50WT30120V_TYPE V.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB] BEGHELLI

[TESTDATE] 2017-10-09

[ISSUEDATE] 2017-10-09

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER]

[MANUFAC] BEGHELLI

[LUMINAIRE] MPL50WT30120V_TYPE V

[LAMP] LED

CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 5763 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 116 |
| Total Luminaire Watts | 49.6 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.30 |
| Spacing Criterion (90-270) | 1.30 |
| Spacing Criterion (Diagonal) | 1.40 |
| Basic Luminous Shape | Point |
| Luminous Length (0-180) | 0.00 m |
| Luminous Width (90-270) | 0.00 m |
| Luminous Height | 0.00 m |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 0 | 0 | 0 |
| 55 | 0 | 0 | 0 |
| 65 | 0 | 0 | 0 |
| 75 | 0 | 0 | 0 |
| 85 | 0 | 0 | 0 |

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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> |
|----|------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|
| 0 | 2189.62 | 2189.62 | 2189.62 | 2189.62 | 2189.62 | 2189.62 | 2189.62 | 2189.62 | 2189.62 | 2189.62 |
| 1 | 2194.91 | 2188.71 | 2189.40 | 2188.42 | 2192.37 | 2186.01 | 2188.36 | 2186.57 | 2184.47 | 2191.63 |
| 2 | 2197.98 | 2186.70 | 2188.40 | 2187.00 | 2191.77 | 2182.42 | 2188.19 | 2185.22 | 2178.99 | 2194.57 |
| 3 | 2192.58 | 2184.30 | 2185.78 | 2186.61 | 2190.26 | 2180.09 | 2183.97 | 2185.21 | 2176.48 | 2190.23 |
| 4 | 2191.29 | 2181.44 | 2187.69 | 2187.46 | 2185.92 | 2179.74 | 2184.02 | 2180.59 | 2169.16 | 2189.35 |
| 5 | 2189.34 | 2175.55 | 2182.80 | 2191.11 | 2185.45 | 2179.40 | 2183.98 | 2177.61 | 2166.44 | 2185.21 |
| 6 | 2182.80 | 2171.75 | 2177.90 | 2192.82 | 2180.88 | 2176.24 | 2178.62 | 2176.75 | 2161.24 | 2178.84 |
| 7 | 2176.63 | 2168.83 | 2175.27 | 2187.87 | 2177.29 | 2170.00 | 2169.43 | 2172.82 | 2155.59 | 2171.32 |
| 8 | 2174.09 | 2166.00 | 2174.09 | 2178.88 | 2174.03 | 2165.81 | 2166.35 | 2167.51 | 2148.59 | 2163.66 |
| 9 | 2167.81 | 2159.38 | 2169.29 | 2174.54 | 2170.03 | 2159.63 | 2161.13 | 2164.51 | 2139.45 | 2160.26 |
| 10 | 2160.03 | 2150.94 | 2162.79 | 2169.15 | 2165.77 | 2154.20 | 2154.40 | 2160.66 | 2130.82 | 2154.90 |
| 11 | 2152.82 | 2143.53 | 2153.10 | 2163.65 | 2160.55 | 2148.76 | 2149.90 | 2152.71 | 2119.77 | 2147.36 |
| 12 | 2145.41 | 2138.10 | 2146.04 | 2157.00 | 2154.95 | 2139.75 | 2145.25 | 2139.81 | 2110.83 | 2139.52 |
| 13 | 2134.03 | 2125.93 | 2138.71 | 2149.09 | 2144.92 | 2133.65 | 2141.09 | 2132.81 | 2100.24 | 2131.45 |
| 14 | 2124.38 | 2116.50 | 2127.56 | 2139.41 | 2139.82 | 2124.63 | 2133.06 | 2121.33 | 2090.55 | 2123.45 |
| 15 | 2113.43 | 2109.26 | 2118.20 | 2130.02 | 2127.11 | 2116.29 | 2125.43 | 2108.72 | 2081.46 | 2112.25 |
| 16 | 2099.52 | 2103.23 | 2105.42 | 2116.94 | 2119.14 | 2109.46 | 2117.73 | 2096.56 | 2071.54 | 2102.50 |
| 17 | 2087.89 | 2089.64 | 2094.50 | 2108.25 | 2105.60 | 2095.96 | 2109.06 | 2086.10 | 2062.16 | 2094.91 |
| 18 | 2072.96 | 2078.66 | 2081.53 | 2097.01 | 2092.76 | 2080.15 | 2099.13 | 2074.93 | 2051.66 | 2080.66 |
| 19 | 2062.00 | 2068.26 | 2071.23 | 2084.88 | 2082.73 | 2068.33 | 2084.25 | 2063.71 | 2041.63 | 2067.56 |
| 20 | 2053.49 | 2059.05 | 2059.50 | 2075.45 | 2066.77 | 2057.49 | 2071.73 | 2050.92 | 2030.20 | 2055.41 |
| 21 | 2040.90 | 2049.70 | 2048.10 | 2063.06 | 2055.70 | 2046.73 | 2060.40 | 2037.85 | 2014.96 | 2043.57 |
| 22 | 2025.74 | 2037.94 | 2034.33 | 2050.14 | 2041.08 | 2030.44 | 2047.38 | 2022.82 | 1999.03 | 2028.90 |
| 23 | 2011.28 | 2025.86 | 2020.41 | 2036.30 | 2023.71 | 2015.13 | 2031.76 | 2015.08 | 1984.20 | 2016.35 |
| 24 | 1994.18 | 2014.24 | 2005.37 | 2019.77 | 2010.45 | 2002.10 | 2015.75 | 2000.80 | 1971.07 | 2005.36 |
| 25 | 1976.21 | 1999.91 | 1989.16 | 2000.49 | 1994.80 | 1985.33 | 1999.91 | 1986.61 | 1955.72 | 1991.52 |
| 26 | 1958.58 | 1985.47 | 1974.11 | 1981.71 | 1975.17 | 1968.00 | 1978.39 | 1970.43 | 1939.51 | 1976.39 |
| 27 | 1941.27 | 1968.31 | 1959.22 | 1962.46 | 1959.45 | 1950.04 | 1958.19 | 1956.04 | 1922.30 | 1958.38 |
| 28 | 1922.14 | 1948.36 | 1944.52 | 1941.35 | 1939.67 | 1926.30 | 1934.54 | 1936.68 | 1904.73 | 1941.08 |
| 29 | 1903.50 | 1928.90 | 1926.33 | 1921.09 | 1921.98 | 1908.16 | 1917.11 | 1922.61 | 1887.40 | 1922.27 |
| 30 | 1889.46 | 1907.96 | 1907.00 | 1900.55 | 1898.77 | 1890.06 | 1896.77 | 1901.53 | 1866.58 | 1902.04 |
| 31 | 1868.30 | 1888.35 | 1886.06 | 1881.66 | 1876.29 | 1871.05 | 1872.91 | 1880.44 | 1846.52 | 1880.68 |
| 32 | 1844.61 | 1867.06 | 1865.27 | 1860.21 | 1855.45 | 1849.36 | 1852.62 | 1859.72 | 1824.90 | 1857.68 |
| 33 | 1825.56 | 1842.27 | 1846.02 | 1835.55 | 1832.52 | 1828.56 | 1831.37 | 1836.37 | 1806.20 | 1841.04 |
| 34 | 1804.86 | 1819.60 | 1823.23 | 1813.14 | 1807.50 | 1804.55 | 1809.07 | 1811.24 | 1787.31 | 1819.56 |
| 35 | 1778.51 | 1798.12 | 1801.60 | 1786.13 | 1783.68 | 1777.89 | 1785.45 | 1788.46 | 1764.69 | 1796.15 |
| 36 | 1757.66 | 1776.79 | 1777.39 | 1763.08 | 1756.25 | 1752.67 | 1760.46 | 1761.98 | 1742.28 | 1770.57 |
| 37 | 1734.35 | 1750.15 | 1752.16 | 1737.30 | 1727.62 | 1729.81 | 1736.34 | 1735.58 | 1718.95 | 1742.54 |
| 38 | 1712.54 | 1723.11 | 1725.88 | 1707.72 | 1699.45 | 1705.42 | 1711.77 | 1709.13 | 1694.49 | 1716.93 |
| 39 | 1691.08 | 1695.55 | 1697.13 | 1675.78 | 1670.74 | 1674.99 | 1684.37 | 1683.31 | 1667.68 | 1690.77 |
| 40 | 1666.62 | 1668.58 | 1665.21 | 1644.27 | 1639.45 | 1643.52 | 1656.32 | 1654.11 | 1640.69 | 1659.34 |
| 41 | 1641.10 | 1637.11 | 1633.89 | 1615.52 | 1607.35 | 1611.90 | 1625.58 | 1625.33 | 1614.41 | 1627.09 |
| 42 | 1613.87 | 1607.86 | 1603.97 | 1585.77 | 1571.92 | 1581.82 | 1594.88 | 1594.75 | 1588.61 | 1594.77 |
| 43 | 1586.81 | 1580.45 | 1573.56 | 1555.00 | 1534.90 | 1549.56 | 1560.47 | 1564.58 | 1561.52 | 1562.75 |
| 44 | 1553.83 | 1548.21 | 1540.63 | 1522.01 | 1501.65 | 1511.14 | 1524.69 | 1533.35 | 1531.81 | 1528.10 |
| 45 | 1521.59 | 1514.05 | 1505.76 | 1487.53 | 1461.61 | 1475.13 | 1488.21 | 1499.73 | 1500.56 | 1494.12 |
| 46 | 1490.31 | 1481.08 | 1469.78 | 1449.39 | 1423.38 | 1435.02 | 1453.02 | 1463.99 | 1467.10 | 1458.83 |
| 47 | 1457.65 | 1448.14 | 1431.12 | 1408.25 | 1383.44 | 1393.12 | 1415.09 | 1427.32 | 1430.50 | 1423.10 |
| 48 | 1422.92 | 1412.69 | 1395.26 | 1367.40 | 1343.23 | 1351.72 | 1377.18 | 1392.61 | 1395.11 | 1385.62 |
| 49 | 1387.57 | 1376.30 | 1354.64 | 1325.33 | 1302.41 | 1309.52 | 1338.12 | 1358.70 | 1355.16 | 1348.04 |
| 50 | 1352.00 | 1336.54 | 1313.16 | 1280.75 | 1257.72 | 1267.53 | 1299.13 | 1322.07 | 1315.20 | 1313.14 |
| 51 | 1308.39 | 1294.00 | 1273.08 | 1238.03 | 1213.85 | 1223.43 | 1256.04 | 1281.77 | 1276.25 | 1274.96 |
| 52 | 1265.19 | 1251.58 | 1229.24 | 1190.81 | 1171.69 | 1177.86 | 1210.37 | 1239.57 | 1233.62 | 1233.38 |
| 53 | 1223.08 | 1208.97 | 1184.93 | 1146.22 | 1126.25 | 1129.85 | 1164.49 | 1197.15 | 1191.60 | 1190.00 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 54 | 1180.47 | 1165.24 | 1138.36 | 1101.40 | 1078.21 | 1083.90 | 1120.33 | 1151.34 | 1148.35 | 1144.58 |
| 55 | 1136.15 | 1121.67 | 1095.41 | 1054.66 | 1032.45 | 1037.10 | 1074.00 | 1104.48 | 1102.63 | 1097.07 |
| 56 | 1091.28 | 1076.46 | 1051.50 | 1007.29 | 988.04 | 989.53 | 1025.63 | 1056.78 | 1055.97 | 1049.29 |
| 57 | 1042.47 | 1032.34 | 1003.61 | 959.79 | 941.85 | 944.23 | 977.70 | 1006.58 | 1008.22 | 1000.53 |
| 58 | 992.41 | 985.20 | 953.88 | 912.93 | 895.97 | 898.10 | 926.34 | 956.70 | 959.55 | 952.84 |
| 59 | 940.36 | 937.76 | 905.33 | 868.11 | 851.27 | 850.79 | 875.57 | 905.29 | 908.47 | 902.80 |
| 60 | 888.34 | 888.45 | 859.86 | 822.32 | 806.46 | 805.59 | 827.30 | 854.79 | 858.09 | 852.31 |
| 61 | 834.60 | 839.45 | 814.10 | 776.90 | 759.84 | 758.03 | 777.41 | 804.19 | 806.90 | 798.96 |
| 62 | 781.39 | 788.99 | 766.67 | 732.35 | 715.84 | 713.35 | 728.66 | 751.89 | 755.58 | 746.50 |
| 63 | 729.05 | 737.64 | 718.27 | 688.40 | 671.73 | 668.90 | 681.67 | 700.83 | 703.89 | 695.50 |
| 64 | 675.95 | 687.19 | 672.40 | 643.10 | 629.73 | 626.41 | 635.19 | 650.84 | 653.10 | 644.87 |
| 65 | 624.77 | 637.25 | 627.52 | 600.93 | 587.05 | 582.74 | 588.34 | 602.27 | 602.30 | 595.83 |
| 66 | 574.93 | 588.90 | 583.14 | 558.71 | 545.50 | 539.54 | 544.18 | 553.23 | 553.35 | 546.86 |
| 67 | 527.57 | 541.90 | 539.78 | 517.33 | 506.22 | 497.30 | 498.85 | 507.24 | 505.65 | 499.31 |
| 68 | 482.12 | 495.53 | 497.12 | 476.50 | 465.29 | 454.11 | 454.80 | 460.67 | 459.69 | 451.99 |
| 69 | 438.51 | 450.70 | 454.78 | 437.22 | 425.52 | 411.92 | 410.45 | 416.97 | 414.45 | 405.15 |
| 70 | 396.93 | 406.88 | 411.23 | 397.65 | 383.46 | 370.31 | 367.51 | 374.41 | 371.41 | 361.75 |
| 71 | 357.71 | 365.10 | 370.09 | 356.71 | 341.50 | 329.12 | 324.61 | 333.31 | 327.75 | 319.55 |
| 72 | 319.92 | 325.92 | 329.09 | 316.38 | 299.06 | 289.01 | 284.70 | 292.51 | 286.15 | 279.51 |
| 73 | 283.70 | 288.62 | 289.77 | 276.22 | 257.67 | 248.94 | 246.60 | 252.66 | 245.94 | 240.25 |
| 74 | 249.13 | 254.36 | 251.13 | 236.33 | 219.49 | 213.23 | 210.25 | 214.33 | 206.69 | 202.95 |
| 75 | 215.55 | 220.86 | 214.21 | 198.75 | 184.52 | 180.13 | 174.97 | 176.79 | 169.35 | 167.18 |
| 76 | 181.58 | 188.55 | 179.43 | 166.16 | 153.72 | 151.14 | 141.27 | 142.39 | 132.23 | 133.32 |
| 77 | 148.83 | 155.62 | 144.05 | 136.75 | 127.88 | 125.40 | 110.16 | 110.53 | 93.97 | 102.38 |
| 78 | 113.51 | 124.44 | 112.23 | 111.67 | 106.93 | 102.09 | 86.30 | 76.12 | 59.54 | 70.67 |
| 79 | 76.80 | 91.47 | 88.38 | 90.23 | 85.65 | 82.49 | 67.86 | 47.99 | 42.20 | 46.41 |
| 80 | 55.08 | 61.12 | 68.14 | 69.77 | 66.93 | 63.11 | 51.14 | 34.28 | 29.37 | 33.40 |
| 81 | 38.15 | 43.83 | 50.25 | 52.63 | 52.70 | 47.69 | 34.42 | 23.92 | 17.08 | 23.96 |
| 82 | 19.79 | 29.95 | 33.80 | 39.35 | 42.22 | 35.90 | 22.20 | 14.55 | 11.82 | 14.37 |
| 83 | 12.32 | 16.02 | 20.95 | 30.28 | 34.10 | 28.00 | 16.10 | 9.84 | 6.24 | 9.68 |
| 84 | 5.24 | 8.11 | 13.64 | 23.50 | 26.86 | 22.22 | 10.59 | 4.53 | 2.67 | 4.51 |
| 85 | 0.73 | 2.56 | 7.54 | 18.26 | 21.15 | 17.43 | 5.52 | 0.25 | 0.00 | 0.25 |
| 86 | 0.22 | 0.37 | 1.77 | 11.02 | 16.73 | 10.62 | 0.55 | 0.00 | 0.00 | 0.00 |
| 87 | 0.00 | 0.05 | 0.11 | 4.96 | 9.42 | 4.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 88 | 0.00 | 0.00 | 0.00 | 0.17 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 101 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 103 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 104 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 106 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 108 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 109 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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 PHOTOMETRIC FILENAME : MPL50WT30120V_TYPE V.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|
| 110 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 111 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 114 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 116 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 117 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 119 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 126 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 128 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 133 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 139 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 141 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 143 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 144 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 146 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 147 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 148 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 149 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 151 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 153 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 154 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 156 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 159 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 161 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 163 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 164 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 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 : MPL50WT30120V_TYPE V.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|
| 166 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 167 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 168 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 169 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 171 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 173 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 174 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 176 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 178 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 179 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 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>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 | 2189.62 | 2189.62 | 2189.62 | 2189.62 | 2189.62 | 2189.62 | 2189.62 |
| 1 | 2192.56 | 2187.06 | 2189.80 | 2188.77 | 2190.56 | 2188.76 | 2194.91 |
| 2 | 2190.30 | 2184.06 | 2187.93 | 2189.53 | 2188.62 | 2187.64 | 2197.98 |
| 3 | 2188.51 | 2181.26 | 2185.81 | 2190.89 | 2185.04 | 2186.41 | 2192.58 |
| 4 | 2187.92 | 2177.59 | 2180.63 | 2190.11 | 2182.37 | 2186.14 | 2191.29 |
| 5 | 2184.12 | 2174.79 | 2180.89 | 2189.41 | 2179.46 | 2185.28 | 2189.34 |
| 6 | 2179.15 | 2168.70 | 2180.14 | 2186.10 | 2173.75 | 2180.15 | 2182.80 |
| 7 | 2174.57 | 2165.70 | 2173.03 | 2182.31 | 2170.44 | 2176.10 | 2176.63 |
| 8 | 2165.47 | 2162.89 | 2171.50 | 2179.83 | 2164.93 | 2172.36 | 2174.09 |
| 9 | 2160.41 | 2158.49 | 2166.98 | 2173.51 | 2158.65 | 2167.21 | 2167.81 |
| 10 | 2157.80 | 2155.55 | 2161.25 | 2165.99 | 2154.97 | 2162.48 | 2160.03 |
| 11 | 2151.76 | 2147.64 | 2149.09 | 2160.09 | 2150.94 | 2158.07 | 2152.82 |
| 12 | 2147.48 | 2139.82 | 2137.24 | 2152.33 | 2141.80 | 2151.02 | 2145.41 |
| 13 | 2141.63 | 2132.03 | 2126.52 | 2149.67 | 2134.49 | 2143.31 | 2134.03 |
| 14 | 2132.18 | 2122.07 | 2119.26 | 2140.64 | 2123.10 | 2135.47 | 2124.38 |
| 15 | 2121.86 | 2111.04 | 2109.54 | 2128.79 | 2117.73 | 2127.26 | 2113.43 |
| 16 | 2112.63 | 2102.31 | 2097.47 | 2118.16 | 2104.48 | 2115.38 | 2099.52 |
| 17 | 2102.00 | 2089.47 | 2092.50 | 2107.96 | 2096.45 | 2102.80 | 2087.89 |
| 18 | 2089.68 | 2077.86 | 2082.92 | 2092.58 | 2089.71 | 2090.82 | 2072.96 |
| 19 | 2076.91 | 2066.03 | 2070.24 | 2080.92 | 2080.88 | 2078.45 | 2062.00 |
| 20 | 2065.69 | 2053.99 | 2060.65 | 2068.42 | 2075.00 | 2065.33 | 2053.49 |
| 21 | 2053.94 | 2039.97 | 2044.20 | 2053.23 | 2062.71 | 2052.44 | 2040.90 |
| 22 | 2040.78 | 2024.56 | 2030.32 | 2041.79 | 2051.04 | 2039.97 | 2025.74 |
| 23 | 2023.09 | 2005.78 | 2019.29 | 2028.83 | 2039.57 | 2025.93 | 2011.28 |
| 24 | 2004.21 | 1989.13 | 2002.05 | 2015.64 | 2025.83 | 2010.73 | 1994.18 |
| 25 | 1988.35 | 1976.00 | 1985.53 | 1998.64 | 2009.66 | 1996.19 | 1976.21 |
| 26 | 1972.17 | 1959.62 | 1969.18 | 1980.02 | 1990.69 | 1979.43 | 1958.58 |
| 27 | 1952.60 | 1946.42 | 1950.58 | 1960.87 | 1971.86 | 1963.67 | 1941.27 |
| 28 | 1933.97 | 1931.78 | 1930.37 | 1941.05 | 1953.79 | 1946.29 | 1922.14 |
| 29 | 1915.24 | 1916.63 | 1910.45 | 1923.35 | 1930.94 | 1928.99 | 1903.50 |
| 30 | 1894.89 | 1897.31 | 1894.92 | 1902.67 | 1909.36 | 1911.36 | 1889.46 |
| 31 | 1872.36 | 1872.33 | 1881.50 | 1884.10 | 1886.40 | 1892.05 | 1868.30 |
| 32 | 1850.29 | 1848.77 | 1862.09 | 1867.72 | 1867.49 | 1867.58 | 1844.61 |
| 33 | 1831.44 | 1824.27 | 1839.61 | 1842.49 | 1844.05 | 1844.00 | 1825.56 |
| 34 | 1806.53 | 1806.51 | 1813.72 | 1820.77 | 1820.43 | 1823.44 | 1804.86 |
| 35 | 1780.29 | 1784.11 | 1792.53 | 1796.58 | 1798.33 | 1797.58 | 1778.51 |
| 36 | 1758.85 | 1759.35 | 1768.25 | 1770.15 | 1774.24 | 1772.47 | 1757.66 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPL50WT30120V_TYPE V.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | |
|----|---------|---------|---------|---------|---------|---------|---------|
| 37 | 1735.55 | 1731.03 | 1745.22 | 1737.22 | 1749.97 | 1745.47 | 1734.35 |
| 38 | 1714.38 | 1704.74 | 1718.74 | 1708.92 | 1721.55 | 1716.03 | 1712.54 |
| 39 | 1685.80 | 1675.91 | 1691.94 | 1680.51 | 1692.34 | 1691.00 | 1691.08 |
| 40 | 1656.50 | 1641.33 | 1658.69 | 1651.07 | 1663.97 | 1663.96 | 1666.62 |
| 41 | 1626.51 | 1605.65 | 1624.58 | 1619.59 | 1634.51 | 1637.68 | 1641.10 |
| 42 | 1595.32 | 1573.96 | 1589.89 | 1585.48 | 1597.54 | 1609.64 | 1613.87 |
| 43 | 1561.62 | 1544.21 | 1554.49 | 1552.30 | 1562.24 | 1578.47 | 1586.81 |
| 44 | 1530.81 | 1510.83 | 1512.91 | 1515.37 | 1525.59 | 1545.15 | 1553.83 |
| 45 | 1497.38 | 1471.76 | 1469.98 | 1480.00 | 1488.85 | 1513.33 | 1521.59 |
| 46 | 1459.62 | 1431.68 | 1430.47 | 1440.73 | 1452.02 | 1479.17 | 1490.31 |
| 47 | 1419.26 | 1392.16 | 1389.27 | 1400.36 | 1413.62 | 1441.79 | 1457.65 |
| 48 | 1378.86 | 1349.43 | 1347.10 | 1359.59 | 1376.74 | 1407.80 | 1422.92 |
| 49 | 1335.66 | 1306.45 | 1299.68 | 1315.71 | 1336.29 | 1370.50 | 1387.57 |
| 50 | 1293.77 | 1263.81 | 1254.13 | 1270.51 | 1297.76 | 1331.67 | 1352.00 |
| 51 | 1250.44 | 1218.99 | 1208.39 | 1222.79 | 1255.74 | 1290.93 | 1308.39 |
| 52 | 1207.97 | 1173.91 | 1166.48 | 1176.67 | 1210.91 | 1248.59 | 1265.19 |
| 53 | 1163.07 | 1128.37 | 1115.75 | 1130.26 | 1164.59 | 1209.62 | 1223.08 |
| 54 | 1116.44 | 1082.25 | 1065.48 | 1082.88 | 1119.29 | 1163.71 | 1180.47 |
| 55 | 1070.49 | 1035.01 | 1017.57 | 1034.77 | 1074.04 | 1117.56 | 1136.15 |
| 56 | 1020.99 | 986.61 | 971.43 | 989.78 | 1026.13 | 1069.38 | 1091.28 |
| 57 | 972.29 | 937.98 | 923.74 | 942.69 | 980.59 | 1023.42 | 1042.47 |
| 58 | 923.41 | 889.88 | 877.33 | 896.36 | 933.12 | 976.45 | 992.41 |
| 59 | 873.40 | 841.93 | 833.43 | 849.14 | 884.39 | 927.75 | 940.36 |
| 60 | 824.06 | 795.06 | 790.65 | 804.57 | 837.78 | 877.32 | 888.34 |
| 61 | 774.11 | 749.60 | 745.91 | 762.46 | 790.65 | 826.32 | 834.60 |
| 62 | 726.55 | 706.00 | 700.64 | 719.23 | 744.84 | 775.03 | 781.39 |
| 63 | 678.63 | 660.31 | 658.06 | 675.07 | 699.49 | 729.55 | 729.05 |
| 64 | 631.02 | 614.85 | 612.45 | 629.21 | 653.97 | 677.84 | 675.95 |
| 65 | 582.40 | 567.39 | 569.26 | 584.89 | 610.56 | 626.91 | 624.77 |
| 66 | 534.58 | 521.20 | 525.61 | 540.61 | 565.54 | 579.18 | 574.93 |
| 67 | 486.81 | 475.23 | 481.21 | 498.25 | 522.49 | 533.92 | 527.57 |
| 68 | 439.21 | 429.62 | 439.56 | 454.71 | 480.41 | 489.22 | 482.12 |
| 69 | 394.55 | 384.88 | 399.00 | 413.18 | 438.04 | 446.07 | 438.51 |
| 70 | 349.87 | 341.49 | 356.90 | 372.42 | 396.50 | 404.47 | 396.93 |
| 71 | 306.29 | 300.17 | 314.30 | 331.24 | 353.72 | 363.05 | 357.71 |
| 72 | 265.68 | 260.65 | 274.00 | 291.87 | 312.55 | 323.77 | 319.92 |
| 73 | 226.90 | 223.60 | 234.08 | 252.15 | 272.08 | 285.88 | 283.70 |
| 74 | 193.05 | 190.60 | 199.14 | 214.87 | 233.50 | 249.71 | 249.13 |
| 75 | 160.46 | 162.03 | 167.88 | 181.22 | 197.92 | 214.47 | 215.55 |
| 76 | 128.18 | 137.31 | 141.30 | 152.23 | 164.12 | 181.74 | 181.58 |
| 77 | 99.49 | 113.56 | 117.90 | 126.92 | 131.23 | 150.53 | 148.83 |
| 78 | 78.49 | 91.36 | 98.67 | 104.78 | 102.93 | 120.98 | 113.51 |
| 79 | 61.79 | 72.15 | 77.66 | 84.60 | 80.43 | 89.24 | 76.80 |
| 80 | 46.56 | 53.96 | 61.51 | 63.79 | 61.76 | 59.14 | 55.08 |
| 81 | 30.37 | 40.66 | 47.73 | 49.19 | 44.62 | 41.50 | 38.15 |
| 82 | 20.71 | 31.46 | 38.42 | 37.81 | 31.06 | 27.06 | 19.79 |
| 83 | 14.88 | 25.27 | 30.84 | 28.73 | 19.65 | 14.63 | 12.32 |
| 84 | 9.68 | 20.41 | 25.31 | 22.44 | 13.41 | 7.52 | 5.24 |
| 85 | 4.41 | 14.97 | 20.73 | 18.05 | 7.46 | 2.49 | 0.73 |
| 86 | 0.30 | 9.15 | 16.34 | 12.24 | 1.63 | 0.15 | 0.22 |
| 87 | 0.00 | 3.98 | 7.77 | 5.06 | 0.00 | 0.00 | 0.00 |
| 88 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPL50WT30120V_TYPE V.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | |
|-----|------|------|------|------|------|------|------|
| 93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 101 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 103 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 104 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 106 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 108 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 109 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 111 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 114 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 116 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 117 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 119 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 126 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 128 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 133 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 139 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 141 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 143 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 144 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 146 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 147 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 148 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPL50WT30120V_TYPE V.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | |
|-----|------|------|------|------|------|------|------|
| 149 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 151 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 153 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 154 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 156 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 159 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 161 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 163 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 164 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 166 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 167 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 168 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 169 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 171 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 173 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 174 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 176 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 178 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 179 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPL50WT30120V_TYPE V.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 805.07 | N.A. | 14.00 |
| 0-30 | 1721.9 | N.A. | 29.90 |
| 0-40 | 2839.68 | N.A. | 49.30 |
| 0-60 | 4944.98 | N.A. | 85.80 |
| 0-80 | 5746.73 | N.A. | 99.70 |
| 0-90 | 5762.53 | N.A. | 100.00 |
| 10-90 | 5555.09 | N.A. | 96.40 |
| 20-40 | 2034.61 | N.A. | 35.30 |
| 20-50 | 3181.79 | N.A. | 55.20 |
| 40-70 | 2700.24 | N.A. | 46.90 |
| 60-80 | 801.74 | N.A. | 13.90 |
| 70-80 | 206.81 | N.A. | 3.60 |
| 80-90 | 15.80 | N.A. | 0.30 |
| 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 | 5762.53 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|---------|
| 0-10 | 207.44 |
| 10-20 | 597.63 |
| 20-30 | 916.83 |
| 30-40 | 1117.77 |
| 40-50 | 1147.19 |
| 50-60 | 958.12 |
| 60-70 | 594.94 |
| 70-80 | 206.81 |
| 80-90 | 15.80 |
| 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 |

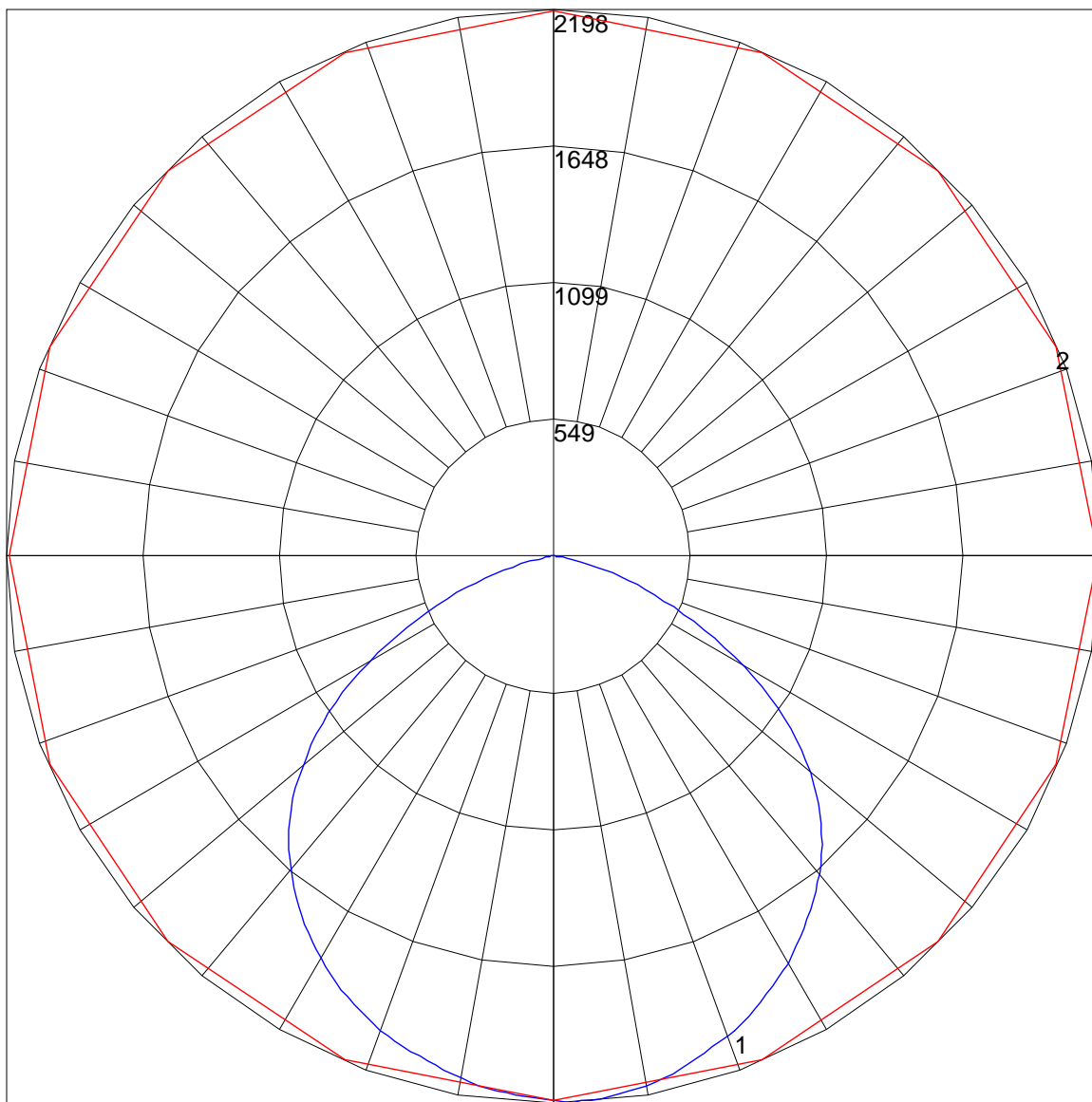
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPL50WT30120V_TYPE V.IES

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 | 102 | 99 | 107 | 104 | 100 | 97 | 99 | 97 | 94 | 96 | 93 | 91 | 92 | 90 | 89 | 87 |
| 2 | 101 | 93 | 87 | 82 | 98 | 91 | 86 | 81 | 88 | 83 | 79 | 85 | 81 | 77 | 82 | 78 | 76 | 73 |
| 3 | 92 | 82 | 75 | 69 | 90 | 81 | 74 | 68 | 78 | 72 | 67 | 75 | 70 | 66 | 73 | 68 | 65 | 63 |
| 4 | 85 | 73 | 65 | 59 | 82 | 72 | 64 | 58 | 70 | 63 | 58 | 67 | 61 | 57 | 65 | 60 | 56 | 54 |
| 5 | 78 | 66 | 57 | 51 | 76 | 65 | 57 | 50 | 63 | 55 | 50 | 61 | 54 | 49 | 59 | 53 | 49 | 47 |
| 6 | 72 | 59 | 51 | 44 | 70 | 58 | 50 | 44 | 57 | 49 | 44 | 55 | 48 | 43 | 53 | 48 | 43 | 41 |
| 7 | 67 | 54 | 45 | 39 | 65 | 53 | 45 | 39 | 51 | 44 | 39 | 50 | 43 | 39 | 49 | 43 | 38 | 36 |
| 8 | 62 | 49 | 41 | 35 | 61 | 48 | 40 | 35 | 47 | 40 | 35 | 46 | 39 | 35 | 45 | 39 | 34 | 32 |
| 9 | 58 | 45 | 37 | 32 | 57 | 44 | 37 | 31 | 43 | 36 | 31 | 42 | 36 | 31 | 41 | 35 | 31 | 29 |
| 10 | 54 | 42 | 34 | 29 | 53 | 41 | 34 | 29 | 40 | 33 | 28 | 39 | 33 | 28 | 38 | 32 | 28 | 26 |

POLAR GRAPH



Maximum Candela = 2197.98 Located At Horizontal Angle = 0, Vertical Angle = 2
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)