

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4WUDC-4-00-L15-840U-L15-840D-F-F-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #15177918.03 & #15177918.01

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 2026-03-03

[TEST DATE] 2/19/2024

[MANUFAC] H E Williams Inc

[LUMCAT] MX4WUDC-4-00-L15-840U-L15-840D-F-F-DIM-UNV\_

[LUMINAIRE] White linear extruded luminaire with up and downlight

[LAMP] 144 LEDs (2 LED boards with 72 LEDs per board)

[OTHER] This test was performed using the calibrated photodetector

[MORE] method of absolute photometry.

### CHARACTERISTICS

|                                 |                 |
|---------------------------------|-----------------|
| Lumens Per Lamp                 | N.A. (absolute) |
| Total Lamp Lumens               | N.A. (absolute) |
| Luminaire Lumens                | 12593           |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 123             |
| Total Luminaire Watts           | 102.3           |
| Ballast Factor                  | 1.00            |
| CIE Type                        | General Diffuse |
| Spacing Criterion (0-180)       | N.A.            |
| Spacing Criterion (90-270)      | N.A.            |
| Spacing Criterion (Diagonal)    | N.A.            |
| Basic Luminous Shape            | Rectangular     |
| Luminous Length (0-180)         | 4.00 ft         |
| Luminous Width (90-270)         | 0.33 ft         |
| Luminous Height                 | 0.00 ft         |

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

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 16923            | 16499             | 16311             |
| 55                  | 15556            | 15179             | 15020             |
| 65                  | 14348            | 14002             | 13850             |
| 75                  | 12167            | 12161             | 12154             |
| 85                  | 9503             | 9885              | 10171             |

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4WUDC-4-00-L15-840U-L15-840D-F-F-DIM-UNV\_.IES

## CANDELA TABULATION

|      | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> |
|------|------------|-------------|-------------|-------------|-------------|
| 0.0  | 2455.520   | 2455.520    | 2455.520    | 2455.520    | 2455.520    |
| 0.5  | 2492.600   | 2457.580    | 2445.220    | 2450.370    | 2442.130    |
| 1.0  | 2492.600   | 2456.550    | 2445.220    | 2450.370    | 2442.130    |
| 1.5  | 2491.570   | 2455.520    | 2444.190    | 2450.370    | 2441.100    |
| 2.0  | 2490.540   | 2454.490    | 2443.160    | 2449.340    | 2441.100    |
| 2.5  | 2489.510   | 2453.460    | 2441.100    | 2448.310    | 2440.070    |
| 3.0  | 2487.450   | 2451.400    | 2440.070    | 2447.280    | 2438.010    |
| 3.5  | 2485.390   | 2449.340    | 2438.010    | 2445.220    | 2435.950    |
| 4.0  | 2483.330   | 2447.280    | 2435.950    | 2443.160    | 2433.890    |
| 4.5  | 2481.270   | 2444.190    | 2433.890    | 2441.100    | 2430.800    |
| 5.0  | 2479.210   | 2442.130    | 2430.800    | 2438.010    | 2427.710    |
| 5.5  | 2476.120   | 2439.040    | 2427.710    | 2434.920    | 2424.620    |
| 6.0  | 2473.030   | 2434.920    | 2424.620    | 2431.830    | 2420.500    |
| 6.5  | 2468.910   | 2431.830    | 2420.500    | 2427.710    | 2417.410    |
| 7.0  | 2465.820   | 2427.710    | 2417.410    | 2423.590    | 2413.290    |
| 7.5  | 2462.730   | 2423.590    | 2413.290    | 2419.470    | 2410.200    |
| 8.0  | 2457.580   | 2419.470    | 2408.140    | 2415.350    | 2406.080    |
| 8.5  | 2453.460   | 2414.320    | 2402.990    | 2410.200    | 2400.930    |
| 9.0  | 2448.310   | 2410.200    | 2398.870    | 2405.050    | 2395.780    |
| 9.5  | 2443.160   | 2405.050    | 2392.690    | 2398.870    | 2390.630    |
| 10.0 | 2438.010   | 2399.900    | 2387.540    | 2393.720    | 2384.450    |
| 10.5 | 2431.830   | 2393.720    | 2381.360    | 2387.540    | 2379.300    |
| 11.0 | 2426.680   | 2387.540    | 2375.180    | 2381.360    | 2372.090    |
| 11.5 | 2419.470   | 2381.360    | 2369.000    | 2375.180    | 2365.910    |
| 12.0 | 2413.290   | 2375.180    | 2362.820    | 2367.970    | 2358.700    |
| 12.5 | 2407.110   | 2367.970    | 2355.610    | 2360.760    | 2351.490    |
| 13.0 | 2399.900   | 2361.790    | 2348.400    | 2353.550    | 2344.280    |
| 13.5 | 2392.690   | 2353.550    | 2341.190    | 2345.310    | 2337.070    |
| 14.0 | 2385.480   | 2346.340    | 2332.950    | 2338.100    | 2329.860    |
| 14.5 | 2378.270   | 2339.130    | 2324.710    | 2329.860    | 2321.620    |
| 15.0 | 2371.060   | 2330.890    | 2316.470    | 2321.620    | 2313.380    |
| 15.5 | 2361.790   | 2323.680    | 2308.230    | 2312.350    | 2304.110    |
| 16.0 | 2351.490   | 2315.440    | 2298.960    | 2304.110    | 2295.870    |
| 16.5 | 2341.190   | 2306.170    | 2289.690    | 2294.840    | 2286.600    |
| 17.0 | 2331.920   | 2296.900    | 2280.420    | 2285.570    | 2277.330    |
| 17.5 | 2321.620   | 2286.600    | 2270.120    | 2275.270    | 2267.030    |
| 18.0 | 2311.320   | 2276.300    | 2259.820    | 2264.970    | 2256.730    |
| 18.5 | 2301.020   | 2266.000    | 2249.520    | 2253.640    | 2246.430    |
| 19.0 | 2290.720   | 2255.700    | 2240.250    | 2243.340    | 2234.070    |
| 19.5 | 2279.390   | 2245.400    | 2229.950    | 2230.980    | 2221.710    |
| 20.0 | 2269.090   | 2234.070    | 2220.680    | 2219.650    | 2209.350    |
| 20.5 | 2257.760   | 2223.770    | 2210.380    | 2207.290    | 2196.990    |
| 21.0 | 2246.430   | 2212.440    | 2199.050    | 2194.930    | 2183.600    |
| 21.5 | 2234.070   | 2201.110    | 2186.690    | 2182.570    | 2170.210    |
| 22.0 | 2222.740   | 2188.750    | 2173.300    | 2169.180    | 2157.850    |
| 22.5 | 2210.380   | 2176.390    | 2160.940    | 2155.790    | 2144.460    |
| 23.0 | 2198.020   | 2164.030    | 2148.580    | 2141.370    | 2131.070    |
| 23.5 | 2185.660   | 2151.670    | 2135.190    | 2127.980    | 2118.710    |
| 24.0 | 2172.270   | 2139.310    | 2122.830    | 2114.590    | 2105.320    |
| 24.5 | 2158.880   | 2125.920    | 2109.440    | 2101.200    | 2091.930    |
| 25.0 | 2146.520   | 2112.530    | 2096.050    | 2087.810    | 2078.540    |
| 25.5 | 2133.130   | 2099.140    | 2081.630    | 2074.420    | 2064.120    |
| 26.0 | 2118.710   | 2084.720    | 2068.240    | 2061.030    | 2050.730    |
| 26.5 | 2105.320   | 2071.330    | 2053.820    | 2047.640    | 2037.340    |

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX4WUDC-4-00-L15-840U-L15-840D-F-F-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|
| 27.0 | 2090.900 | 2056.910 | 2039.400 | 2034.250 | 2022.920 |
| 27.5 | 2076.480 | 2042.490 | 2026.010 | 2020.860 | 2009.530 |
| 28.0 | 2062.060 | 2027.040 | 2010.560 | 2006.440 | 1995.110 |
| 28.5 | 2046.610 | 2011.590 | 1996.140 | 1993.050 | 1980.690 |
| 29.0 | 2031.160 | 1997.170 | 1981.720 | 1978.630 | 1966.270 |
| 29.5 | 2016.740 | 1981.720 | 1967.300 | 1963.180 | 1952.880 |
| 30.0 | 2001.290 | 1966.270 | 1952.880 | 1948.760 | 1938.460 |
| 30.5 | 1985.840 | 1950.820 | 1937.430 | 1934.340 | 1924.040 |
| 31.0 | 1969.360 | 1936.400 | 1921.980 | 1918.890 | 1909.620 |
| 31.5 | 1953.910 | 1920.950 | 1906.530 | 1903.440 | 1894.170 |
| 32.0 | 1937.430 | 1904.470 | 1891.080 | 1886.960 | 1878.720 |
| 32.5 | 1920.950 | 1889.020 | 1875.630 | 1871.510 | 1862.240 |
| 33.0 | 1904.470 | 1873.570 | 1860.180 | 1856.060 | 1845.760 |
| 33.5 | 1889.020 | 1857.090 | 1843.700 | 1839.580 | 1830.310 |
| 34.0 | 1871.510 | 1840.610 | 1828.250 | 1823.100 | 1813.830 |
| 34.5 | 1855.030 | 1824.130 | 1810.740 | 1806.620 | 1796.320 |
| 35.0 | 1838.550 | 1808.680 | 1794.260 | 1790.140 | 1778.810 |
| 35.5 | 1821.040 | 1791.170 | 1777.780 | 1773.660 | 1761.300 |
| 36.0 | 1803.530 | 1774.690 | 1761.300 | 1756.150 | 1744.820 |
| 36.5 | 1787.050 | 1758.210 | 1744.820 | 1739.670 | 1728.340 |
| 37.0 | 1769.540 | 1740.700 | 1727.310 | 1722.160 | 1710.830 |
| 37.5 | 1752.030 | 1723.190 | 1710.830 | 1704.650 | 1694.350 |
| 38.0 | 1733.490 | 1705.680 | 1693.320 | 1687.140 | 1676.840 |
| 38.5 | 1715.980 | 1688.170 | 1675.810 | 1670.660 | 1659.330 |
| 39.0 | 1699.500 | 1670.660 | 1658.300 | 1653.150 | 1642.850 |
| 39.5 | 1680.960 | 1653.150 | 1641.820 | 1635.640 | 1624.310 |
| 40.0 | 1663.450 | 1634.610 | 1624.310 | 1618.130 | 1607.830 |
| 40.5 | 1644.910 | 1617.100 | 1606.800 | 1600.620 | 1590.320 |
| 41.0 | 1627.400 | 1598.560 | 1589.290 | 1582.080 | 1571.780 |
| 41.5 | 1608.860 | 1581.050 | 1570.750 | 1564.570 | 1553.240 |
| 42.0 | 1591.350 | 1562.510 | 1553.240 | 1547.060 | 1535.730 |
| 42.5 | 1573.840 | 1545.000 | 1535.730 | 1528.520 | 1518.220 |
| 43.0 | 1555.300 | 1527.490 | 1518.220 | 1511.010 | 1499.680 |
| 43.5 | 1537.790 | 1508.950 | 1499.680 | 1493.500 | 1482.170 |
| 44.0 | 1519.250 | 1490.410 | 1481.140 | 1474.960 | 1464.660 |
| 44.5 | 1500.710 | 1471.870 | 1462.600 | 1456.420 | 1446.120 |
| 45.0 | 1482.170 | 1454.360 | 1445.090 | 1437.880 | 1428.610 |
| 45.5 | 1464.660 | 1435.820 | 1426.550 | 1420.370 | 1411.100 |
| 46.0 | 1446.120 | 1417.280 | 1408.010 | 1401.830 | 1393.590 |
| 46.5 | 1427.580 | 1398.740 | 1390.500 | 1384.320 | 1376.080 |
| 47.0 | 1409.040 | 1380.200 | 1371.960 | 1365.780 | 1357.540 |
| 47.5 | 1389.470 | 1361.660 | 1353.420 | 1347.240 | 1340.030 |
| 48.0 | 1370.930 | 1343.120 | 1334.880 | 1329.730 | 1321.490 |
| 48.5 | 1352.390 | 1324.580 | 1317.370 | 1311.190 | 1302.950 |
| 49.0 | 1332.820 | 1306.040 | 1298.830 | 1292.650 | 1285.440 |
| 49.5 | 1314.280 | 1287.500 | 1280.290 | 1275.140 | 1267.930 |
| 50.0 | 1294.710 | 1268.960 | 1261.750 | 1256.600 | 1249.390 |
| 50.5 | 1275.140 | 1250.420 | 1243.210 | 1238.060 | 1231.880 |
| 51.0 | 1255.570 | 1231.880 | 1224.670 | 1219.520 | 1213.340 |
| 51.5 | 1237.030 | 1213.340 | 1206.130 | 1202.010 | 1194.800 |
| 52.0 | 1218.490 | 1194.800 | 1187.590 | 1183.470 | 1177.290 |
| 52.5 | 1198.920 | 1176.260 | 1169.050 | 1165.960 | 1158.750 |
| 53.0 | 1180.380 | 1157.720 | 1150.510 | 1147.420 | 1140.210 |
| 53.5 | 1160.810 | 1139.180 | 1131.970 | 1128.880 | 1121.670 |
| 54.0 | 1142.270 | 1120.640 | 1114.460 | 1111.370 | 1103.130 |
| 54.5 | 1123.730 | 1103.130 | 1095.920 | 1092.830 | 1084.590 |

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX4WUDC-4-00-L15-840U-L15-840D-F-F-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|
| 55.0 | 1105.190 | 1085.620 | 1078.410 | 1075.320 | 1067.080 |
| 55.5 | 1087.680 | 1067.080 | 1059.870 | 1056.780 | 1049.570 |
| 56.0 | 1068.110 | 1048.540 | 1041.330 | 1039.270 | 1031.030 |
| 56.5 | 1049.570 | 1031.030 | 1023.305 | 1021.039 | 1012.902 |
| 57.0 | 1032.060 | 1012.490 | 1005.074 | 1002.602 | 994.877  |
| 57.5 | 1013.932 | 994.568  | 986.946  | 984.680  | 976.646  |
| 58.0 | 995.804  | 976.852  | 968.715  | 966.655  | 958.621  |
| 58.5 | 977.573  | 959.033  | 950.793  | 948.939  | 941.317  |
| 59.0 | 959.651  | 941.111  | 932.768  | 931.017  | 923.704  |
| 59.5 | 942.244  | 922.983  | 914.434  | 913.198  | 906.297  |
| 60.0 | 924.425  | 904.958  | 896.306  | 895.276  | 888.581  |
| 60.5 | 906.812  | 887.345  | 878.796  | 877.251  | 870.659  |
| 61.0 | 889.508  | 869.732  | 861.389  | 859.638  | 853.149  |
| 61.5 | 870.968  | 852.325  | 844.085  | 842.128  | 835.845  |
| 62.0 | 852.737  | 834.403  | 826.163  | 824.721  | 818.129  |
| 62.5 | 834.094  | 817.820  | 809.271  | 808.138  | 801.340  |
| 63.0 | 816.172  | 803.194  | 796.293  | 795.778  | 790.216  |
| 63.5 | 798.044  | 787.229  | 781.770  | 780.637  | 774.869  |
| 64.0 | 787.126  | 771.676  | 766.732  | 764.466  | 757.874  |
| 64.5 | 770.131  | 755.093  | 749.737  | 747.677  | 741.497  |
| 65.0 | 751.076  | 737.377  | 732.948  | 730.991  | 725.017  |
| 65.5 | 731.609  | 719.455  | 715.438  | 714.511  | 708.434  |
| 66.0 | 712.863  | 701.945  | 698.340  | 697.928  | 691.439  |
| 66.5 | 694.323  | 684.023  | 680.933  | 680.933  | 675.165  |
| 67.0 | 675.989  | 666.204  | 663.732  | 664.041  | 658.788  |
| 67.5 | 657.964  | 648.694  | 646.428  | 647.046  | 641.896  |
| 68.0 | 639.733  | 631.184  | 629.124  | 629.948  | 624.592  |
| 68.5 | 621.399  | 613.365  | 611.717  | 612.850  | 607.597  |
| 69.0 | 602.447  | 595.443  | 594.207  | 594.825  | 589.984  |
| 69.5 | 584.010  | 577.830  | 576.388  | 577.109  | 572.680  |
| 70.0 | 565.779  | 560.011  | 558.981  | 559.290  | 555.376  |
| 70.5 | 547.857  | 542.089  | 541.368  | 541.677  | 537.969  |
| 71.0 | 529.523  | 524.270  | 524.064  | 524.476  | 520.459  |
| 71.5 | 511.189  | 506.451  | 506.863  | 507.172  | 503.670  |
| 72.0 | 493.370  | 488.529  | 489.353  | 489.765  | 486.778  |
| 72.5 | 475.551  | 470.916  | 472.255  | 472.667  | 470.195  |
| 73.0 | 457.938  | 453.715  | 455.569  | 456.084  | 453.921  |
| 73.5 | 440.840  | 436.720  | 438.883  | 439.810  | 437.441  |
| 74.0 | 423.948  | 419.725  | 422.403  | 423.124  | 421.579  |
| 74.5 | 407.056  | 403.039  | 406.026  | 406.747  | 405.614  |
| 75.0 | 390.061  | 386.456  | 389.855  | 390.576  | 389.649  |
| 75.5 | 373.272  | 369.873  | 373.787  | 374.714  | 373.684  |
| 76.0 | 356.277  | 353.908  | 357.925  | 358.955  | 358.131  |
| 76.5 | 340.209  | 338.149  | 342.166  | 343.299  | 342.578  |
| 77.0 | 324.553  | 322.287  | 326.716  | 327.746  | 326.613  |
| 77.5 | 308.382  | 306.837  | 311.266  | 312.090  | 310.957  |
| 78.0 | 292.623  | 291.387  | 295.816  | 297.052  | 295.919  |
| 78.5 | 276.967  | 276.349  | 280.572  | 282.014  | 281.087  |
| 79.0 | 261.929  | 261.311  | 265.637  | 267.388  | 266.667  |
| 79.5 | 246.891  | 246.582  | 250.908  | 252.762  | 252.144  |
| 80.0 | 232.059  | 232.162  | 236.179  | 238.754  | 237.930  |
| 80.5 | 217.124  | 218.051  | 222.171  | 224.643  | 224.025  |
| 81.0 | 202.807  | 204.249  | 208.266  | 210.841  | 210.429  |
| 81.5 | 189.005  | 190.550  | 194.670  | 197.245  | 196.936  |
| 82.0 | 176.130  | 177.160  | 181.383  | 184.061  | 183.752  |
| 82.5 | 163.255  | 164.182  | 168.302  | 170.980  | 170.774  |

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX4WUDC-4-00-L15-840U-L15-840D-F-F-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|
| 83.0  | 150.380 | 151.822 | 155.427 | 158.208 | 158.414 |
| 83.5  | 137.711 | 139.462 | 142.964 | 145.642 | 146.260 |
| 84.0  | 125.866 | 127.308 | 130.604 | 133.179 | 134.106 |
| 84.5  | 113.815 | 115.360 | 118.450 | 121.025 | 121.952 |
| 85.0  | 102.588 | 103.824 | 106.708 | 108.974 | 109.798 |
| 85.5  | 91.670  | 92.288  | 94.760  | 97.129  | 97.953  |
| 86.0  | 80.958  | 81.164  | 83.327  | 85.490  | 86.520  |
| 86.5  | 70.349  | 70.349  | 72.306  | 74.263  | 75.190  |
| 87.0  | 59.637  | 59.637  | 61.079  | 63.551  | 64.272  |
| 87.5  | 49.028  | 49.131  | 50.470  | 52.942  | 53.869  |
| 88.0  | 38.934  | 38.831  | 40.170  | 42.848  | 43.878  |
| 88.5  | 29.252  | 28.634  | 30.385  | 32.754  | 34.196  |
| 89.0  | 18.952  | 18.643  | 21.012  | 23.278  | 24.823  |
| 89.5  | 8.755   | 10.403  | 12.566  | 14.317  | 14.832  |
| 90.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 90.5  | 6.479   | 3.414   | 3.152   | 3.064   | 3.327   |
| 91.0  | 14.271  | 7.529   | 6.128   | 6.041   | 5.953   |
| 91.5  | 22.938  | 15.321  | 9.105   | 9.018   | 8.930   |
| 92.0  | 31.693  | 25.477  | 13.132  | 11.732  | 11.732  |
| 92.5  | 40.798  | 35.983  | 20.312  | 14.708  | 14.446  |
| 93.0  | 50.254  | 46.051  | 28.716  | 19.524  | 17.598  |
| 93.5  | 59.797  | 55.682  | 37.734  | 26.353  | 22.938  |
| 94.0  | 69.164  | 65.137  | 47.715  | 34.495  | 30.205  |
| 94.5  | 78.795  | 74.593  | 58.133  | 42.899  | 38.084  |
| 95.0  | 88.250  | 84.311  | 68.377  | 51.479  | 45.876  |
| 95.5  | 97.706  | 93.416  | 78.357  | 60.322  | 54.106  |
| 96.0  | 106.723 | 102.696 | 88.163  | 69.515  | 62.511  |
| 96.5  | 115.829 | 111.976 | 97.968  | 78.883  | 71.178  |
| 97.0  | 124.671 | 121.082 | 107.686 | 88.250  | 80.371  |
| 97.5  | 133.776 | 130.274 | 117.492 | 97.793  | 89.564  |
| 98.0  | 142.794 | 139.292 | 127.035 | 107.249 | 98.844  |
| 98.5  | 151.812 | 148.397 | 136.228 | 116.879 | 108.124 |
| 99.0  | 161.004 | 157.765 | 145.596 | 126.072 | 117.492 |
| 99.5  | 170.285 | 167.045 | 155.051 | 135.265 | 126.685 |
| 100.0 | 179.390 | 176.413 | 164.506 | 144.720 | 135.702 |
| 100.5 | 188.845 | 185.781 | 173.962 | 154.526 | 144.808 |
| 101.0 | 198.563 | 195.149 | 183.592 | 164.419 | 154.701 |
| 101.5 | 208.457 | 204.692 | 193.398 | 174.312 | 164.944 |
| 102.0 | 218.087 | 214.585 | 203.204 | 184.205 | 175.100 |
| 102.5 | 228.155 | 224.391 | 213.359 | 194.098 | 185.168 |
| 103.0 | 238.486 | 234.546 | 223.428 | 203.904 | 195.412 |
| 103.5 | 248.817 | 244.877 | 234.109 | 214.410 | 205.567 |
| 104.0 | 259.411 | 255.296 | 244.965 | 225.266 | 216.161 |
| 104.5 | 270.354 | 266.152 | 255.821 | 236.385 | 226.754 |
| 105.0 | 281.561 | 277.271 | 266.590 | 247.329 | 237.523 |
| 105.5 | 293.030 | 288.565 | 277.709 | 258.360 | 248.204 |
| 106.0 | 304.674 | 299.946 | 289.003 | 269.566 | 258.885 |
| 106.5 | 316.406 | 311.678 | 300.822 | 280.860 | 269.654 |
| 107.0 | 328.925 | 323.935 | 313.429 | 292.855 | 281.386 |
| 107.5 | 341.883 | 336.542 | 326.211 | 305.549 | 294.080 |
| 108.0 | 354.753 | 349.500 | 339.256 | 319.295 | 307.125 |
| 108.5 | 368.323 | 362.720 | 352.301 | 333.040 | 320.608 |
| 109.0 | 382.243 | 376.202 | 365.696 | 346.961 | 334.266 |
| 109.5 | 396.514 | 390.210 | 379.792 | 360.794 | 348.099 |
| 110.0 | 411.748 | 404.569 | 394.238 | 374.977 | 362.545 |
| 110.5 | 427.332 | 419.277 | 409.034 | 390.210 | 377.516 |

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX4WUDC-4-00-L15-840U-L15-840D-F-F-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

|       |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|
| 111.0 | 443.091  | 434.686  | 424.355  | 406.057  | 392.574  |
| 111.5 | 459.200  | 450.532  | 439.939  | 422.166  | 408.071  |
| 112.0 | 475.922  | 466.817  | 455.435  | 438.275  | 422.866  |
| 112.5 | 492.731  | 483.539  | 471.107  | 454.297  | 438.538  |
| 113.0 | 510.329  | 500.786  | 487.653  | 470.844  | 454.910  |
| 113.5 | 528.452  | 518.821  | 505.163  | 488.704  | 472.507  |
| 114.0 | 546.837  | 537.207  | 523.724  | 507.702  | 492.031  |
| 114.5 | 565.836  | 556.205  | 542.635  | 527.489  | 512.780  |
| 115.0 | 585.097  | 575.729  | 562.246  | 547.450  | 533.792  |
| 115.5 | 605.233  | 595.428  | 582.383  | 567.324  | 554.542  |
| 116.0 | 625.545  | 615.914  | 603.219  | 588.248  | 575.641  |
| 116.5 | 646.994  | 636.926  | 624.757  | 609.698  | 598.142  |
| 117.0 | 669.320  | 658.376  | 646.469  | 632.811  | 621.342  |
| 117.5 | 685.779  | 675.098  | 666.343  | 654.086  | 644.893  |
| 118.0 | 706.791  | 694.622  | 686.742  | 676.061  | 665.818  |
| 118.5 | 731.218  | 717.910  | 707.579  | 696.460  | 684.641  |
| 119.0 | 755.119  | 740.848  | 731.218  | 719.573  | 705.565  |
| 119.5 | 779.283  | 765.275  | 756.257  | 743.037  | 729.029  |
| 120.0 | 804.234  | 790.576  | 781.384  | 768.689  | 753.805  |
| 120.5 | 829.011  | 816.229  | 807.299  | 795.917  | 780.246  |
| 121.0 | 855.013  | 842.406  | 833.388  | 823.058  | 808.349  |
| 121.5 | 880.753  | 868.321  | 859.391  | 850.548  | 835.840  |
| 122.0 | 907.893  | 894.761  | 886.881  | 878.126  | 863.418  |
| 122.5 | 934.158  | 921.026  | 914.022  | 905.267  | 889.508  |
| 123.0 | 961.299  | 949.042  | 942.038  | 935.034  | 918.399  |
| 123.5 | 989.315  | 977.058  | 971.805  | 964.801  | 948.166  |
| 124.0 | 1017.331 | 1005.949 | 1000.696 | 994.568  | 978.809  |
| 124.5 | 1045.347 | 1033.965 | 1029.588 | 1023.459 | 1008.576 |
| 125.0 | 1073.363 | 1061.981 | 1057.604 | 1052.351 | 1037.467 |
| 125.5 | 1102.254 | 1090.873 | 1086.495 | 1081.242 | 1065.483 |
| 126.0 | 1130.270 | 1118.889 | 1116.262 | 1110.134 | 1093.499 |
| 126.5 | 1158.286 | 1146.905 | 1146.029 | 1140.776 | 1123.266 |
| 127.0 | 1187.178 | 1175.796 | 1175.796 | 1171.419 | 1154.784 |
| 127.5 | 1216.069 | 1203.812 | 1203.812 | 1201.186 | 1186.302 |
| 128.0 | 1244.085 | 1231.828 | 1232.704 | 1230.953 | 1216.069 |
| 128.5 | 1272.101 | 1258.969 | 1260.720 | 1260.720 | 1244.961 |
| 129.0 | 1300.117 | 1286.109 | 1288.736 | 1289.611 | 1274.728 |
| 129.5 | 1328.133 | 1314.125 | 1317.627 | 1319.378 | 1305.370 |
| 130.0 | 1356.149 | 1342.141 | 1346.519 | 1349.145 | 1337.764 |
| 130.5 | 1384.165 | 1369.282 | 1376.286 | 1378.037 | 1368.406 |
| 131.0 | 1412.181 | 1396.422 | 1404.302 | 1406.053 | 1396.422 |
| 131.5 | 1438.446 | 1422.687 | 1432.318 | 1432.318 | 1423.563 |
| 132.0 | 1465.587 | 1448.952 | 1459.458 | 1460.334 | 1449.828 |
| 132.5 | 1491.852 | 1476.093 | 1486.599 | 1487.474 | 1476.093 |
| 133.0 | 1518.117 | 1503.233 | 1512.864 | 1514.615 | 1501.482 |
| 133.5 | 1544.382 | 1529.498 | 1540.004 | 1541.755 | 1528.623 |
| 134.0 | 1570.647 | 1554.888 | 1565.394 | 1568.020 | 1554.888 |
| 134.5 | 1594.285 | 1580.277 | 1589.908 | 1591.659 | 1580.277 |
| 135.0 | 1617.924 | 1604.791 | 1613.546 | 1615.297 | 1603.040 |
| 135.5 | 1640.687 | 1630.181 | 1637.185 | 1638.060 | 1625.803 |
| 136.0 | 1663.450 | 1653.819 | 1659.072 | 1661.699 | 1649.442 |
| 136.5 | 1687.088 | 1676.582 | 1680.960 | 1685.337 | 1673.956 |
| 137.0 | 1708.976 | 1699.345 | 1703.723 | 1707.225 | 1696.719 |
| 137.5 | 1730.863 | 1720.357 | 1724.735 | 1727.361 | 1716.855 |
| 138.0 | 1751.875 | 1741.369 | 1744.871 | 1746.622 | 1736.116 |
| 138.5 | 1772.887 | 1761.506 | 1765.008 | 1765.883 | 1754.502 |

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX4WUDC-4-00-L15-840U-L15-840D-F-F-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

|       |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|
| 139.0 | 1793.024 | 1781.642 | 1785.144 | 1785.144 | 1772.887 |
| 139.5 | 1813.160 | 1801.779 | 1804.405 | 1803.530 | 1790.397 |
| 140.0 | 1832.421 | 1820.164 | 1823.666 | 1822.791 | 1809.658 |
| 140.5 | 1850.807 | 1837.674 | 1841.176 | 1840.301 | 1826.293 |
| 141.0 | 1869.192 | 1856.060 | 1858.686 | 1856.935 | 1842.927 |
| 141.5 | 1885.827 | 1872.694 | 1876.196 | 1873.570 | 1857.811 |
| 142.0 | 1903.337 | 1890.204 | 1892.831 | 1889.329 | 1873.570 |
| 142.5 | 1919.971 | 1906.839 | 1909.465 | 1905.963 | 1888.453 |
| 143.0 | 1936.606 | 1922.598 | 1925.224 | 1921.722 | 1904.212 |
| 143.5 | 1952.365 | 1939.232 | 1940.983 | 1937.481 | 1919.096 |
| 144.0 | 1967.248 | 1954.991 | 1955.867 | 1951.489 | 1933.104 |
| 144.5 | 1982.132 | 1969.875 | 1970.750 | 1965.497 | 1947.112 |
| 145.0 | 1996.140 | 1984.758 | 1984.758 | 1978.630 | 1960.244 |
| 145.5 | 2011.023 | 1999.642 | 1998.766 | 1993.513 | 1974.252 |
| 146.0 | 2025.031 | 2013.650 | 2012.774 | 2006.646 | 1988.260 |
| 146.5 | 2039.039 | 2027.658 | 2025.907 | 2020.654 | 2002.268 |
| 147.0 | 2052.172 | 2041.666 | 2038.164 | 2034.662 | 2016.276 |
| 147.5 | 2065.304 | 2054.798 | 2051.296 | 2047.794 | 2029.409 |
| 148.0 | 2078.437 | 2067.931 | 2062.678 | 2060.051 | 2043.417 |
| 148.5 | 2091.569 | 2081.063 | 2074.059 | 2072.308 | 2057.425 |
| 149.0 | 2103.826 | 2094.196 | 2085.441 | 2084.565 | 2071.433 |
| 149.5 | 2116.083 | 2106.453 | 2095.947 | 2096.822 | 2084.565 |
| 150.0 | 2128.340 | 2118.710 | 2107.328 | 2108.204 | 2096.822 |
| 150.5 | 2140.597 | 2130.967 | 2117.834 | 2118.710 | 2109.079 |
| 151.0 | 2151.979 | 2142.348 | 2128.340 | 2129.216 | 2120.461 |
| 151.5 | 2164.236 | 2153.730 | 2139.722 | 2139.722 | 2130.967 |
| 152.0 | 2175.617 | 2165.111 | 2150.228 | 2149.352 | 2141.473 |
| 152.5 | 2186.999 | 2175.617 | 2160.734 | 2159.858 | 2151.103 |
| 153.0 | 2198.380 | 2186.123 | 2171.240 | 2170.364 | 2159.858 |
| 153.5 | 2208.886 | 2196.629 | 2181.746 | 2180.870 | 2167.738 |
| 154.0 | 2219.392 | 2207.135 | 2193.127 | 2191.376 | 2176.493 |
| 154.5 | 2230.774 | 2216.766 | 2203.633 | 2201.007 | 2185.248 |
| 155.0 | 2241.280 | 2226.396 | 2214.139 | 2211.513 | 2194.878 |
| 155.5 | 2250.910 | 2235.151 | 2224.645 | 2222.019 | 2204.509 |
| 156.0 | 2260.541 | 2244.782 | 2236.027 | 2231.649 | 2214.139 |
| 156.5 | 2270.171 | 2254.412 | 2246.533 | 2242.155 | 2223.770 |
| 157.0 | 2279.802 | 2264.043 | 2257.039 | 2252.661 | 2233.400 |
| 157.5 | 2288.557 | 2272.798 | 2266.669 | 2262.292 | 2243.031 |
| 158.0 | 2297.312 | 2281.553 | 2276.300 | 2271.922 | 2252.661 |
| 158.5 | 2306.942 | 2291.183 | 2285.930 | 2281.553 | 2263.167 |
| 159.0 | 2314.822 | 2299.938 | 2294.685 | 2291.183 | 2272.798 |
| 159.5 | 2323.577 | 2308.693 | 2303.440 | 2300.814 | 2282.428 |
| 160.0 | 2331.456 | 2316.573 | 2312.195 | 2309.569 | 2292.059 |
| 160.5 | 2339.336 | 2324.452 | 2320.075 | 2318.324 | 2301.689 |
| 161.0 | 2347.215 | 2332.332 | 2327.954 | 2327.079 | 2311.320 |
| 161.5 | 2355.095 | 2341.087 | 2334.958 | 2335.834 | 2320.950 |
| 162.0 | 2363.850 | 2348.966 | 2341.962 | 2344.589 | 2329.705 |
| 162.5 | 2371.729 | 2356.846 | 2348.966 | 2352.468 | 2337.585 |
| 163.0 | 2379.609 | 2364.725 | 2355.970 | 2360.348 | 2345.464 |
| 163.5 | 2387.488 | 2371.729 | 2362.974 | 2368.227 | 2352.468 |
| 164.0 | 2395.368 | 2378.733 | 2369.103 | 2375.231 | 2359.472 |
| 164.5 | 2401.496 | 2385.737 | 2375.231 | 2382.235 | 2366.476 |
| 165.0 | 2408.500 | 2392.741 | 2381.360 | 2389.239 | 2372.605 |
| 165.5 | 2415.504 | 2398.870 | 2387.488 | 2395.368 | 2378.733 |
| 166.0 | 2422.508 | 2404.998 | 2393.617 | 2401.496 | 2383.986 |
| 166.5 | 2429.512 | 2411.127 | 2399.745 | 2406.749 | 2390.115 |

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX4WUDC-4-00-L15-840U-L15-840D-F-F-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

|       |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|
| 167.0 | 2435.641 | 2416.380 | 2404.998 | 2412.002 | 2395.368 |
| 167.5 | 2441.769 | 2421.633 | 2411.127 | 2417.255 | 2401.496 |
| 168.0 | 2447.898 | 2426.886 | 2416.380 | 2422.508 | 2406.749 |
| 168.5 | 2454.026 | 2432.139 | 2421.633 | 2427.761 | 2412.878 |
| 169.0 | 2459.279 | 2436.516 | 2426.886 | 2432.139 | 2418.131 |
| 169.5 | 2463.657 | 2440.894 | 2431.263 | 2436.516 | 2423.384 |
| 170.0 | 2468.034 | 2445.271 | 2435.641 | 2440.894 | 2429.512 |
| 170.5 | 2472.412 | 2449.649 | 2439.143 | 2445.271 | 2433.890 |
| 171.0 | 2476.789 | 2453.151 | 2442.645 | 2449.649 | 2438.267 |
| 171.5 | 2480.291 | 2456.653 | 2446.147 | 2454.026 | 2442.645 |
| 172.0 | 2483.793 | 2460.155 | 2448.773 | 2457.528 | 2446.147 |
| 172.5 | 2487.295 | 2463.657 | 2451.400 | 2460.155 | 2448.773 |
| 173.0 | 2490.797 | 2467.159 | 2454.026 | 2463.657 | 2450.524 |
| 173.5 | 2493.424 | 2469.785 | 2456.653 | 2465.408 | 2452.275 |
| 174.0 | 2496.050 | 2472.412 | 2459.279 | 2467.159 | 2453.151 |
| 174.5 | 2497.801 | 2474.163 | 2461.030 | 2468.910 | 2454.026 |
| 175.0 | 2499.552 | 2476.789 | 2462.781 | 2469.785 | 2454.026 |
| 175.5 | 2501.303 | 2478.540 | 2465.408 | 2470.661 | 2454.902 |
| 176.0 | 2503.054 | 2480.291 | 2467.159 | 2470.661 | 2454.902 |
| 176.5 | 2503.930 | 2482.042 | 2468.034 | 2471.536 | 2454.902 |
| 177.0 | 2504.805 | 2483.793 | 2469.785 | 2471.536 | 2454.026 |
| 177.5 | 2506.556 | 2485.544 | 2471.536 | 2471.536 | 2454.026 |
| 178.0 | 2507.432 | 2485.544 | 2472.412 | 2471.536 | 2454.902 |
| 178.5 | 2507.432 | 2486.420 | 2473.287 | 2471.536 | 2454.902 |
| 179.0 | 2508.307 | 2487.295 | 2473.287 | 2471.536 | 2454.902 |
| 179.5 | 2509.183 | 2487.295 | 2474.163 | 2471.536 | 2454.902 |
| 180.0 | 2478.540 | 2478.540 | 2478.540 | 2478.540 | 2478.540 |



**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX4WUDC-4-00-L15-840U-L15-840D-F-F-DIM-UNV\_.IES****ZONAL LUMEN SUMMARY**

| Zone    | Lumens   | %Lamp | %Fixt  |
|---------|----------|-------|--------|
| 0-20    | 887.44   | N.A.  | 7.00   |
| 0-30    | 1855.33  | N.A.  | 14.70  |
| 0-40    | 2980.62  | N.A.  | 23.70  |
| 0-60    | 5064.74  | N.A.  | 40.20  |
| 0-80    | 6202.34  | N.A.  | 49.30  |
| 0-90    | 6322.54  | N.A.  | 50.20  |
| 10-90   | 6090.9   | N.A.  | 48.40  |
| 20-40   | 2093.18  | N.A.  | 16.60  |
| 20-50   | 3210.25  | N.A.  | 25.50  |
| 40-70   | 2808.42  | N.A.  | 22.30  |
| 60-80   | 1137.6   | N.A.  | 9.00   |
| 70-80   | 413.30   | N.A.  | 3.30   |
| 80-90   | 120.20   | N.A.  | 1.00   |
| 90-110  | 358.69   | N.A.  | 2.80   |
| 90-120  | 920.78   | N.A.  | 7.30   |
| 90-130  | 1865.36  | N.A.  | 14.80  |
| 90-150  | 4338.68  | N.A.  | 34.50  |
| 90-180  | 6270.54  | N.A.  | 49.80  |
| 110-180 | 5911.85  | N.A.  | 46.90  |
| 0-180   | 12593.08 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  |
|---------|---------|
| 0-10    | 231.64  |
| 10-20   | 655.80  |
| 20-30   | 967.89  |
| 30-40   | 1125.29 |
| 40-50   | 1117.07 |
| 50-60   | 967.05  |
| 60-70   | 724.30  |
| 70-80   | 413.30  |
| 80-90   | 120.20  |
| 90-100  | 77.36   |
| 100-110 | 281.32  |
| 110-120 | 562.10  |
| 120-130 | 944.57  |
| 130-140 | 1235.12 |
| 140-150 | 1238.2  |
| 150-160 | 1022.82 |
| 160-170 | 674.00  |
| 170-180 | 235.05  |

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4WUDC-4-00-L15-840U-L15-840D-F-F-DIM-UNV\_.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  | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 83 | 83 | 83 | 69 | 69 | 69 | 56 | 56 | 56 | 50 |
| 1  | 98  | 93  | 90  | 86  | 90 | 86 | 83 | 80 | 73 | 71 | 68 | 61 | 59 | 58 | 50 | 49 | 48 | 42 |
| 2  | 89  | 82  | 75  | 70  | 82 | 76 | 70 | 66 | 64 | 60 | 57 | 54 | 51 | 48 | 44 | 42 | 40 | 35 |
| 3  | 81  | 72  | 64  | 59  | 75 | 66 | 60 | 55 | 57 | 52 | 48 | 47 | 44 | 41 | 39 | 36 | 34 | 30 |
| 4  | 74  | 63  | 56  | 50  | 68 | 59 | 52 | 47 | 50 | 45 | 41 | 42 | 38 | 35 | 35 | 32 | 29 | 26 |
| 5  | 68  | 57  | 48  | 42  | 63 | 53 | 45 | 40 | 45 | 39 | 35 | 38 | 34 | 30 | 31 | 28 | 26 | 22 |
| 6  | 63  | 51  | 43  | 37  | 58 | 47 | 40 | 35 | 41 | 35 | 31 | 34 | 30 | 27 | 28 | 25 | 23 | 20 |
| 7  | 58  | 46  | 38  | 32  | 53 | 43 | 36 | 30 | 37 | 31 | 27 | 31 | 27 | 23 | 26 | 23 | 20 | 17 |
| 8  | 54  | 42  | 34  | 29  | 50 | 39 | 32 | 27 | 33 | 28 | 24 | 28 | 24 | 21 | 24 | 20 | 18 | 16 |
| 9  | 50  | 38  | 31  | 25  | 46 | 35 | 29 | 24 | 31 | 25 | 21 | 26 | 22 | 19 | 22 | 19 | 16 | 14 |
| 10 | 47  | 35  | 28  | 23  | 43 | 33 | 26 | 22 | 28 | 23 | 19 | 24 | 20 | 17 | 20 | 17 | 15 | 13 |

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4WUDC-4-00-L15-840U-L15-840D-F-F-DIM-UNV\_.IES

## UGR TABLE - CORRECTED

### Reflectances

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

### Room Size UGR Viewed Crosswise

| X=2H | Y=2H | 17.6 | 18.5 | 18.6 | 19.5 | 20.7 | UGR Viewed Endwise | 17.5 | 18.4 | 18.5 | 19.4 | 20.6 |
|------|------|------|------|------|------|------|--------------------|------|------|------|------|------|
|      | 3H   | 19.4 | 20.2 | 20.4 | 21.1 | 22.4 |                    | 19.3 | 20.1 | 20.3 | 21.1 | 22.3 |
|      | 4H   | 20.0 | 20.7 | 21.0 | 21.7 | 23.0 |                    | 19.9 | 20.7 | 20.9 | 21.6 | 22.9 |
|      | 6H   | 20.4 | 21.1 | 21.4 | 22.1 | 23.4 |                    | 20.4 | 21.1 | 21.4 | 22.1 | 23.4 |
|      | 8H   | 20.6 | 21.2 | 21.6 | 22.2 | 23.5 |                    | 20.5 | 21.2 | 21.5 | 22.2 | 23.5 |
|      | 12H  | 20.6 | 21.3 | 21.6 | 22.3 | 23.6 |                    | 20.6 | 21.2 | 21.6 | 22.2 | 23.6 |

|    |     |      |      |      |      |      |  |      |      |      |      |      |
|----|-----|------|------|------|------|------|--|------|------|------|------|------|
| 4H | 2H  | 18.2 | 18.9 | 19.2 | 19.9 | 21.2 |  | 18.1 | 18.8 | 19.1 | 19.8 | 21.1 |
|    | 3H  | 20.1 | 20.7 | 21.1 | 21.8 | 23.1 |  | 20.1 | 20.7 | 21.1 | 21.7 | 23.0 |
|    | 4H  | 20.9 | 21.4 | 21.9 | 22.4 | 23.8 |  | 20.8 | 21.4 | 21.8 | 22.4 | 23.7 |
|    | 6H  | 21.4 | 21.9 | 22.4 | 22.9 | 24.3 |  | 21.4 | 21.9 | 22.4 | 22.9 | 24.3 |
|    | 8H  | 21.6 | 22.1 | 22.6 | 23.1 | 24.4 |  | 21.6 | 22.1 | 22.6 | 23.1 | 24.4 |
|    | 12H | 21.7 | 22.1 | 22.8 | 23.2 | 24.5 |  | 21.7 | 22.1 | 22.8 | 23.2 | 24.5 |

|    |     |      |      |      |      |      |  |      |      |      |      |      |
|----|-----|------|------|------|------|------|--|------|------|------|------|------|
| 8H | 4H  | 21.1 | 21.6 | 22.1 | 22.6 | 23.9 |  | 21.1 | 21.5 | 22.1 | 22.5 | 23.9 |
|    | 6H  | 21.8 | 22.2 | 22.8 | 23.2 | 24.6 |  | 21.8 | 22.2 | 22.8 | 23.2 | 24.6 |
|    | 8H  | 22.1 | 22.4 | 23.1 | 23.4 | 24.8 |  | 22.1 | 22.4 | 23.1 | 23.5 | 24.8 |
|    | 12H | 22.3 | 22.5 | 23.3 | 23.6 | 25.0 |  | 22.3 | 22.6 | 23.4 | 23.6 | 25.0 |

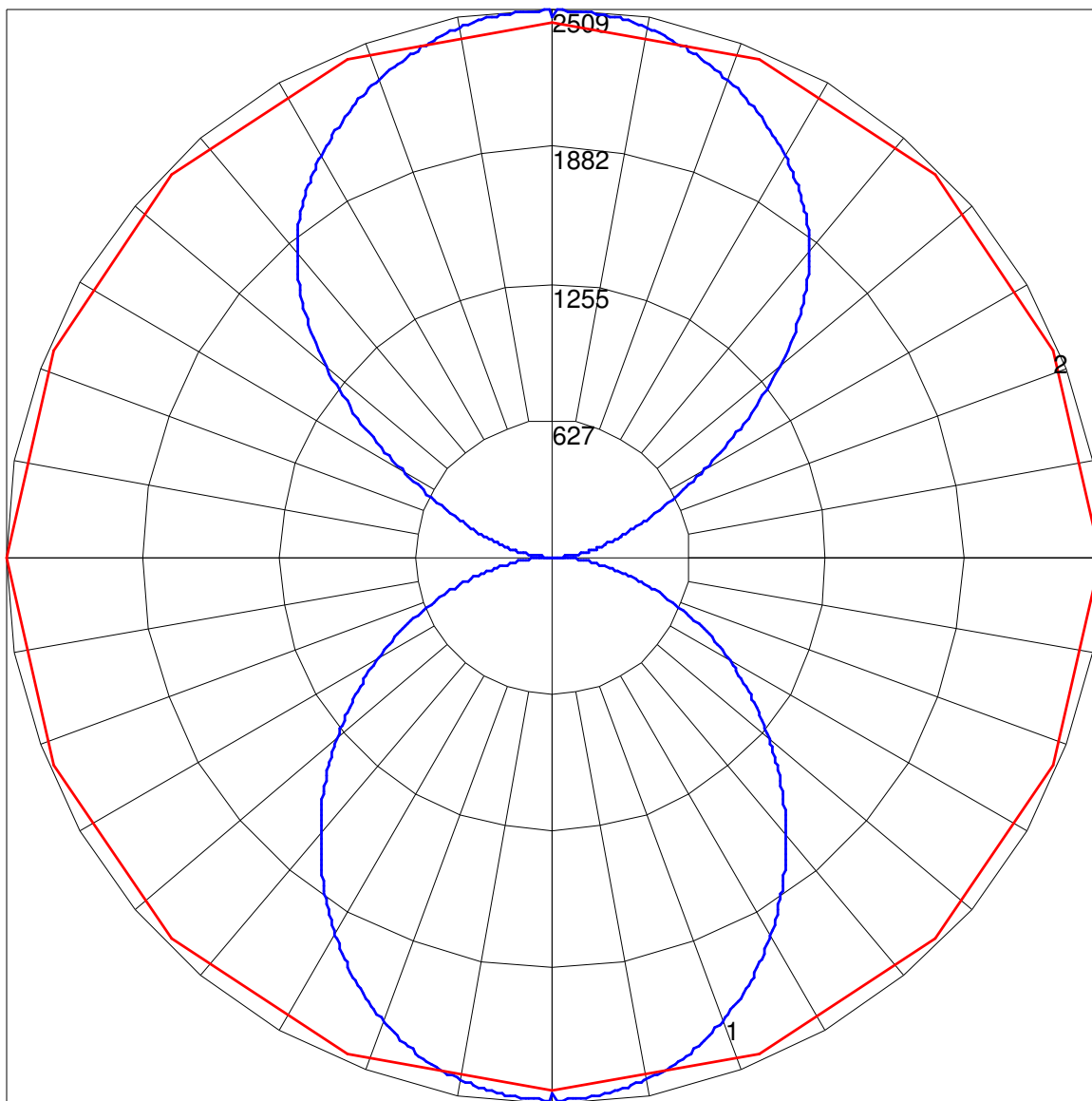
|     |    |      |      |      |      |      |  |      |      |      |      |      |
|-----|----|------|------|------|------|------|--|------|------|------|------|------|
| 12H | 4H | 21.1 | 21.5 | 22.1 | 22.6 | 23.9 |  | 21.1 | 21.5 | 22.1 | 22.5 | 23.9 |
|     | 6H | 21.8 | 22.2 | 22.9 | 23.2 | 24.6 |  | 21.8 | 22.2 | 22.9 | 23.2 | 24.6 |
|     | 8H | 22.1 | 22.4 | 23.2 | 23.5 | 24.9 |  | 22.2 | 22.4 | 23.2 | 23.5 | 24.9 |

Maximum UGR = 25.0

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4WUDC-4-00-L15-840U-L15-840D-F-F-DIM-UNV\_.IES

## POLAR GRAPH



Maximum Candela = 2509.183 Located At Horizontal Angle = 0, Vertical Angle = 179.5

# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

# 2 - Horizontal Cone Through Vertical Angle (179.5) (Through Max. Cd.)