

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-927U-L15-927D-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] MX4UDC-4-00-L15-927U-L15-927D-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	9781
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
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 Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13144	12815	12669
55	12083	11790	11666
65	11144	10875	10758
75	9450	9445	9440
85	7381	7677	7900

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1907.200	1907.200	1907.200	1907.200	1907.200
0.5	1936.000	1908.800	1899.200	1903.200	1896.800
1.0	1936.000	1908.000	1899.200	1903.200	1896.800
1.5	1935.200	1907.200	1898.400	1903.200	1896.000
2.0	1934.400	1906.400	1897.600	1902.400	1896.000
2.5	1933.600	1905.600	1896.000	1901.600	1895.200
3.0	1932.000	1904.000	1895.200	1900.800	1893.600
3.5	1930.400	1902.400	1893.600	1899.200	1892.000
4.0	1928.800	1900.800	1892.000	1897.600	1890.400
4.5	1927.200	1898.400	1890.400	1896.000	1888.000
5.0	1925.600	1896.800	1888.000	1893.600	1885.600
5.5	1923.200	1894.400	1885.600	1891.200	1883.200
6.0	1920.800	1891.200	1883.200	1888.800	1880.000
6.5	1917.600	1888.800	1880.000	1885.600	1877.600
7.0	1915.200	1885.600	1877.600	1882.400	1874.400
7.5	1912.800	1882.400	1874.400	1879.200	1872.000
8.0	1908.800	1879.200	1870.400	1876.000	1868.800
8.5	1905.600	1875.200	1866.400	1872.000	1864.800
9.0	1901.600	1872.000	1863.200	1868.000	1860.800
9.5	1897.600	1868.000	1858.400	1863.200	1856.800
10.0	1893.600	1864.000	1854.400	1859.200	1852.000
10.5	1888.800	1859.200	1849.600	1854.400	1848.000
11.0	1884.800	1854.400	1844.800	1849.600	1842.400
11.5	1879.200	1849.600	1840.000	1844.800	1837.600
12.0	1874.400	1844.800	1835.200	1839.200	1832.000
12.5	1869.600	1839.200	1829.600	1833.600	1826.400
13.0	1864.000	1834.400	1824.000	1828.000	1820.800
13.5	1858.400	1828.000	1818.400	1821.600	1815.200
14.0	1852.800	1822.400	1812.000	1816.000	1809.600
14.5	1847.200	1816.800	1805.600	1809.600	1803.200
15.0	1841.600	1810.400	1799.200	1803.200	1796.800
15.5	1834.400	1804.800	1792.800	1796.000	1789.600
16.0	1826.400	1798.400	1785.600	1789.600	1783.200
16.5	1818.400	1791.200	1778.400	1782.400	1776.000
17.0	1811.200	1784.000	1771.200	1775.200	1768.800
17.5	1803.200	1776.000	1763.200	1767.200	1760.800
18.0	1795.200	1768.000	1755.200	1759.200	1752.800
18.5	1787.200	1760.000	1747.200	1750.400	1744.800
19.0	1779.200	1752.000	1740.000	1742.400	1735.200
19.5	1770.400	1744.000	1732.000	1732.800	1725.600
20.0	1762.400	1735.200	1724.800	1724.000	1716.000
20.5	1753.600	1727.200	1716.800	1714.400	1706.400
21.0	1744.800	1718.400	1708.000	1704.800	1696.000
21.5	1735.200	1709.600	1698.400	1695.200	1685.600
22.0	1726.400	1700.000	1688.000	1684.800	1676.000
22.5	1716.800	1690.400	1678.400	1674.400	1665.600
23.0	1707.200	1680.800	1668.800	1663.200	1655.200
23.5	1697.600	1671.200	1658.400	1652.800	1645.600
24.0	1687.200	1661.600	1648.800	1642.400	1635.200
24.5	1676.800	1651.200	1638.400	1632.000	1624.800
25.0	1667.200	1640.800	1628.000	1621.600	1614.400
25.5	1656.800	1630.400	1616.800	1611.200	1603.200
26.0	1645.600	1619.200	1606.400	1600.800	1592.800
26.5	1635.200	1608.800	1595.200	1590.400	1582.400

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27.0	1624.000	1597.600	1584.000	1580.000	1571.200
27.5	1612.800	1586.400	1573.600	1569.600	1560.800
28.0	1601.600	1574.400	1561.600	1558.400	1549.600
28.5	1589.600	1562.400	1550.400	1548.000	1538.400
29.0	1577.600	1551.200	1539.200	1536.800	1527.200
29.5	1566.400	1539.200	1528.000	1524.800	1516.800
30.0	1554.400	1527.200	1516.800	1513.600	1505.600
30.5	1542.400	1515.200	1504.800	1502.400	1494.400
31.0	1529.600	1504.000	1492.800	1490.400	1483.200
31.5	1517.600	1492.000	1480.800	1478.400	1471.200
32.0	1504.800	1479.200	1468.800	1465.600	1459.200
32.5	1492.000	1467.200	1456.800	1453.600	1446.400
33.0	1479.200	1455.200	1444.800	1441.600	1433.600
33.5	1467.200	1442.400	1432.000	1428.800	1421.600
34.0	1453.600	1429.600	1420.000	1416.000	1408.800
34.5	1440.800	1416.800	1406.400	1403.200	1395.200
35.0	1428.000	1404.800	1393.600	1390.400	1381.600
35.5	1414.400	1391.200	1380.800	1377.600	1368.000
36.0	1400.800	1378.400	1368.000	1364.000	1355.200
36.5	1388.000	1365.600	1355.200	1351.200	1342.400
37.0	1374.400	1352.000	1341.600	1337.600	1328.800
37.5	1360.800	1338.400	1328.800	1324.000	1316.000
38.0	1346.400	1324.800	1315.200	1310.400	1302.400
38.5	1332.800	1311.200	1301.600	1297.600	1288.800
39.0	1320.000	1297.600	1288.000	1284.000	1276.000
39.5	1305.600	1284.000	1275.200	1270.400	1261.600
40.0	1292.000	1269.600	1261.600	1256.800	1248.800
40.5	1277.600	1256.000	1248.000	1243.200	1235.200
41.0	1264.000	1241.600	1234.400	1228.800	1220.800
41.5	1249.600	1228.000	1220.000	1215.200	1206.400
42.0	1236.000	1213.600	1206.400	1201.600	1192.800
42.5	1222.400	1200.000	1192.800	1187.200	1179.200
43.0	1208.000	1186.400	1179.200	1173.600	1164.800
43.5	1194.400	1172.000	1164.800	1160.000	1151.200
44.0	1180.000	1157.600	1150.400	1145.600	1137.600
44.5	1165.600	1143.200	1136.000	1131.200	1123.200
45.0	1151.200	1129.600	1122.400	1116.800	1109.600
45.5	1137.600	1115.200	1108.000	1103.200	1096.000
46.0	1123.200	1100.800	1093.600	1088.800	1082.400
46.5	1108.800	1086.400	1080.000	1075.200	1068.800
47.0	1094.400	1072.000	1065.600	1060.800	1054.400
47.5	1079.200	1057.600	1051.200	1046.400	1040.800
48.0	1064.800	1043.200	1036.800	1032.800	1026.400
48.5	1050.400	1028.800	1023.200	1018.400	1012.000
49.0	1035.200	1014.400	1008.800	1004.000	998.400
49.5	1020.800	1000.000	994.400	990.400	984.800
50.0	1005.600	985.600	980.000	976.000	970.400
50.5	990.400	971.200	965.600	961.600	956.800
51.0	975.200	956.800	951.200	947.200	942.400
51.5	960.800	942.400	936.800	933.600	928.000
52.0	946.400	928.000	922.400	919.200	914.400
52.5	931.200	913.600	908.000	905.600	900.000
53.0	916.800	899.200	893.600	891.200	885.600
53.5	901.600	884.800	879.200	876.800	871.200
54.0	887.200	870.400	865.600	863.200	856.800
54.5	872.800	856.800	851.200	848.800	842.400

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55.0	858.400	843.200	837.600	835.200	828.800
55.5	844.800	828.800	823.200	820.800	815.200
56.0	829.600	814.400	808.800	807.200	800.800
56.5	815.200	800.800	794.800	793.040	786.720
57.0	801.600	786.400	780.640	778.720	772.720
57.5	787.520	772.480	766.560	764.800	758.560
58.0	773.440	758.720	752.400	750.800	744.560
58.5	759.280	744.880	738.480	737.040	731.120
59.0	745.360	730.960	724.480	723.120	717.440
59.5	731.840	716.880	710.240	709.280	703.920
60.0	718.000	702.880	696.160	695.360	690.160
60.5	704.320	689.200	682.560	681.360	676.240
61.0	690.880	675.520	669.040	667.680	662.640
61.5	676.480	662.000	655.600	654.080	649.200
62.0	662.320	648.080	641.680	640.560	635.440
62.5	647.840	635.200	628.560	627.680	622.400
63.0	633.920	623.840	618.480	618.080	613.760
63.5	619.840	611.440	607.200	606.320	601.840
64.0	611.360	599.360	595.520	593.760	588.640
64.5	598.160	586.480	582.320	580.720	575.920
65.0	583.360	572.720	569.280	567.760	563.120
65.5	568.240	558.800	555.680	554.960	550.240
66.0	553.680	545.200	542.400	542.080	537.040
66.5	539.280	531.280	528.880	528.880	524.400
67.0	525.040	517.440	515.520	515.760	511.680
67.5	511.040	503.840	502.080	502.560	498.560
68.0	496.880	490.240	488.640	489.280	485.120
68.5	482.640	476.400	475.120	476.000	471.920
69.0	467.920	462.480	461.520	462.000	458.240
69.5	453.600	448.800	447.680	448.240	444.800
70.0	439.440	434.960	434.160	434.400	431.360
70.5	425.520	421.040	420.480	420.720	417.840
71.0	411.280	407.200	407.040	407.360	404.240
71.5	397.040	393.360	393.680	393.920	391.200
72.0	383.200	379.440	380.080	380.400	378.080
72.5	369.360	365.760	366.800	367.120	365.200
73.0	355.680	352.400	353.840	354.240	352.560
73.5	342.400	339.200	340.880	341.600	339.760
74.0	329.280	326.000	328.080	328.640	327.440
74.5	316.160	313.040	315.360	315.920	315.040
75.0	302.960	300.160	302.800	303.360	302.640
75.5	289.920	287.280	290.320	291.040	290.240
76.0	276.720	274.880	278.000	278.800	278.160
76.5	264.240	262.640	265.760	266.640	266.080
77.0	252.080	250.320	253.760	254.560	253.680
77.5	239.520	238.320	241.760	242.400	241.520
78.0	227.280	226.320	229.760	230.720	229.840
78.5	215.120	214.640	217.920	219.040	218.320
79.0	203.440	202.960	206.320	207.680	207.120
79.5	191.760	191.520	194.880	196.320	195.840
80.0	180.240	180.320	183.440	185.440	184.800
80.5	168.640	169.360	172.560	174.480	174.000
81.0	157.520	158.640	161.760	163.760	163.440
81.5	146.800	148.000	151.200	153.200	152.960
82.0	136.800	137.600	140.880	142.960	142.720
82.5	126.800	127.520	130.720	132.800	132.640

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83.0	116.800	117.920	120.720	122.880	123.040
83.5	106.960	108.320	111.040	113.120	113.600
84.0	97.760	98.880	101.440	103.440	104.160
84.5	88.400	89.600	92.000	94.000	94.720
85.0	79.680	80.640	82.880	84.640	85.280
85.5	71.200	71.680	73.600	75.440	76.080
86.0	62.880	63.040	64.720	66.400	67.200
86.5	54.640	54.640	56.160	57.680	58.400
87.0	46.320	46.320	47.440	49.360	49.920
87.5	38.080	38.160	39.200	41.120	41.840
88.0	30.240	30.160	31.200	33.280	34.080
88.5	22.720	22.240	23.600	25.440	26.560
89.0	14.720	14.480	16.320	18.080	19.280
89.5	6.800	8.080	9.760	11.120	11.520
90.0	0.000	0.000	0.000	0.000	0.000
90.5	5.032	2.652	2.448	2.380	2.584
91.0	11.084	5.848	4.760	4.692	4.624
91.5	17.816	11.900	7.072	7.004	6.936
92.0	24.616	19.788	10.200	9.112	9.112
92.5	31.688	27.948	15.776	11.424	11.220
93.0	39.032	35.768	22.304	15.164	13.668
93.5	46.444	43.248	29.308	20.468	17.816
94.0	53.720	50.592	37.060	26.792	23.460
94.5	61.200	57.936	45.152	33.320	29.580
95.0	68.544	65.484	53.108	39.984	35.632
95.5	75.888	72.556	60.860	46.852	42.024
96.0	82.892	79.764	68.476	53.992	48.552
96.5	89.964	86.972	76.092	61.268	55.284
97.0	96.832	94.044	83.640	68.544	62.424
97.5	103.904	101.184	91.256	75.956	69.564
98.0	110.908	108.188	98.668	83.300	76.772
98.5	117.912	115.260	105.808	90.780	83.980
99.0	125.052	122.536	113.084	97.920	91.256
99.5	132.260	129.744	120.428	105.060	98.396
100.0	139.332	137.020	127.772	112.404	105.400
100.5	146.676	144.296	135.116	120.020	112.472
101.0	154.224	151.572	142.596	127.704	120.156
101.5	161.908	158.984	150.212	135.388	128.112
102.0	169.388	166.668	157.828	143.072	136.000
102.5	177.208	174.284	165.716	150.756	143.820
103.0	185.232	182.172	173.536	158.372	151.776
103.5	193.256	190.196	181.832	166.532	159.664
104.0	201.484	198.288	190.264	174.964	167.892
104.5	209.984	206.720	198.696	183.600	176.120
105.0	218.688	215.356	207.060	192.100	184.484
105.5	227.596	224.128	215.696	200.668	192.780
106.0	236.640	232.968	224.468	209.372	201.076
106.5	245.752	242.080	233.648	218.144	209.440
107.0	255.476	251.600	243.440	227.460	218.552
107.5	265.540	261.392	253.368	237.320	228.412
108.0	275.536	271.456	263.500	247.996	238.544
108.5	286.076	281.724	273.632	258.672	249.016
109.0	296.888	292.196	284.036	269.484	259.624
109.5	307.972	303.076	294.984	280.228	270.368
110.0	319.804	314.228	306.204	291.244	281.588
110.5	331.908	325.652	317.696	303.076	293.216

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111.0	344.148	337.620	329.596	315.384	304.912
111.5	356.660	349.928	341.700	327.896	316.948
112.0	369.648	362.576	353.736	340.408	328.440
112.5	382.704	375.564	365.908	352.852	340.612
113.0	396.372	388.960	378.760	365.704	353.328
113.5	410.448	402.968	392.360	379.576	366.996
114.0	424.728	417.248	406.776	394.332	382.160
114.5	439.484	432.004	421.464	409.700	398.276
115.0	454.444	447.168	436.696	425.204	414.596
115.5	470.084	462.468	452.336	440.640	430.712
116.0	485.860	478.380	468.520	456.892	447.100
116.5	502.520	494.700	485.248	473.552	464.576
117.0	519.860	511.360	502.112	491.504	482.596
117.5	532.644	524.348	517.548	508.028	500.888
118.0	548.964	539.512	533.392	525.096	517.140
118.5	567.936	557.600	549.576	540.940	531.760
119.0	586.500	575.416	567.936	558.892	548.012
119.5	605.268	594.388	587.384	577.116	566.236
120.0	624.648	614.040	606.900	597.040	585.480
120.5	643.892	633.964	627.028	618.188	606.016
121.0	664.088	654.296	647.292	639.268	627.844
121.5	684.080	674.424	667.488	660.620	649.196
122.0	705.160	694.960	688.840	682.040	670.616
122.5	725.560	715.360	709.920	703.120	690.880
123.0	746.640	737.120	731.680	726.240	713.320
123.5	768.400	758.880	754.800	749.360	736.440
124.0	790.160	781.320	777.240	772.480	760.240
124.5	811.920	803.080	799.680	794.920	783.360
125.0	833.680	824.840	821.440	817.360	805.800
125.5	856.120	847.280	843.880	839.800	827.560
126.0	877.880	869.040	867.000	862.240	849.320
126.5	899.640	890.800	890.120	886.040	872.440
127.0	922.080	913.240	913.240	909.840	896.920
127.5	944.520	935.000	935.000	932.960	921.400
128.0	966.280	956.760	957.440	956.080	944.520
128.5	988.040	977.840	979.200	979.200	966.960
129.0	1009.800	998.920	1000.960	1001.640	990.080
129.5	1031.560	1020.680	1023.400	1024.760	1013.880
130.0	1053.320	1042.440	1045.840	1047.880	1039.040
130.5	1075.080	1063.520	1068.960	1070.320	1062.840
131.0	1096.840	1084.600	1090.720	1092.080	1084.600
131.5	1117.240	1105.000	1112.480	1112.480	1105.680
132.0	1138.320	1125.400	1133.560	1134.240	1126.080
132.5	1158.720	1146.480	1154.640	1155.320	1146.480
133.0	1179.120	1167.560	1175.040	1176.400	1166.200
133.5	1199.520	1187.960	1196.120	1197.480	1187.280
134.0	1219.920	1207.680	1215.840	1217.880	1207.680
134.5	1238.280	1227.400	1234.880	1236.240	1227.400
135.0	1256.640	1246.440	1253.240	1254.600	1245.080
135.5	1274.320	1266.160	1271.600	1272.280	1262.760
136.0	1292.000	1284.520	1288.600	1290.640	1281.120
136.5	1310.360	1302.200	1305.600	1309.000	1300.160
137.0	1327.360	1319.880	1323.280	1326.000	1317.840
137.5	1344.360	1336.200	1339.600	1341.640	1333.480
138.0	1360.680	1352.520	1355.240	1356.600	1348.440
138.5	1377.000	1368.160	1370.880	1371.560	1362.720

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-927U-L15-927D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	1392.640	1383.800	1386.520	1386.520	1377.000
139.5	1408.280	1399.440	1401.480	1400.800	1390.600
140.0	1423.240	1413.720	1416.440	1415.760	1405.560
140.5	1437.520	1427.320	1430.040	1429.360	1418.480
141.0	1451.800	1441.600	1443.640	1442.280	1431.400
141.5	1464.720	1454.520	1457.240	1455.200	1442.960
142.0	1478.320	1468.120	1470.160	1467.440	1455.200
142.5	1491.240	1481.040	1483.080	1480.360	1466.760
143.0	1504.160	1493.280	1495.320	1492.600	1479.000
143.5	1516.400	1506.200	1507.560	1504.840	1490.560
144.0	1527.960	1518.440	1519.120	1515.720	1501.440
144.5	1539.520	1530.000	1530.680	1526.600	1512.320
145.0	1550.400	1541.560	1541.560	1536.800	1522.520
145.5	1561.960	1553.120	1552.440	1548.360	1533.400
146.0	1572.840	1564.000	1563.320	1558.560	1544.280
146.5	1583.720	1574.880	1573.520	1569.440	1555.160
147.0	1593.920	1585.760	1583.040	1580.320	1566.040
147.5	1604.120	1595.960	1593.240	1590.520	1576.240
148.0	1614.320	1606.160	1602.080	1600.040	1587.120
148.5	1624.520	1616.360	1610.920	1609.560	1598.000
149.0	1634.040	1626.560	1619.760	1619.080	1608.880
149.5	1643.560	1636.080	1627.920	1628.600	1619.080
150.0	1653.080	1645.600	1636.760	1637.440	1628.600
150.5	1662.600	1655.120	1644.920	1645.600	1638.120
151.0	1671.440	1663.960	1653.080	1653.760	1646.960
151.5	1680.960	1672.800	1661.920	1661.920	1655.120
152.0	1689.800	1681.640	1670.080	1669.400	1663.280
152.5	1698.640	1689.800	1678.240	1677.560	1670.760
153.0	1707.480	1697.960	1686.400	1685.720	1677.560
153.5	1715.640	1706.120	1694.560	1693.880	1683.680
154.0	1723.800	1714.280	1703.400	1702.040	1690.480
154.5	1732.640	1721.760	1711.560	1709.520	1697.280
155.0	1740.800	1729.240	1719.720	1717.680	1704.760
155.5	1748.280	1736.040	1727.880	1725.840	1712.240
156.0	1755.760	1743.520	1736.720	1733.320	1719.720
156.5	1763.240	1751.000	1744.880	1741.480	1727.200
157.0	1770.720	1758.480	1753.040	1749.640	1734.680
157.5	1777.520	1765.280	1760.520	1757.120	1742.160
158.0	1784.320	1772.080	1768.000	1764.600	1749.640
158.5	1791.800	1779.560	1775.480	1772.080	1757.800
159.0	1797.920	1786.360	1782.280	1779.560	1765.280
159.5	1804.720	1793.160	1789.080	1787.040	1772.760
160.0	1810.840	1799.280	1795.880	1793.840	1780.240
160.5	1816.960	1805.400	1802.000	1800.640	1787.720
161.0	1823.080	1811.520	1808.120	1807.440	1795.200
161.5	1829.200	1818.320	1813.560	1814.240	1802.680
162.0	1836.000	1824.440	1819.000	1821.040	1809.480
162.5	1842.120	1830.560	1824.440	1827.160	1815.600
163.0	1848.240	1836.680	1829.880	1833.280	1821.720
163.5	1854.360	1842.120	1835.320	1839.400	1827.160
164.0	1860.480	1847.560	1840.080	1844.840	1832.600
164.5	1865.240	1853.000	1844.840	1850.280	1838.040
165.0	1870.680	1858.440	1849.600	1855.720	1842.800
165.5	1876.120	1863.200	1854.360	1860.480	1847.560
166.0	1881.560	1867.960	1859.120	1865.240	1851.640
166.5	1887.000	1872.720	1863.880	1869.320	1856.400

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-927U-L15-927D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	1891.760	1876.800	1867.960	1873.400	1860.480
167.5	1896.520	1880.880	1872.720	1877.480	1865.240
168.0	1901.280	1884.960	1876.800	1881.560	1869.320
168.5	1906.040	1889.040	1880.880	1885.640	1874.080
169.0	1910.120	1892.440	1884.960	1889.040	1878.160
169.5	1913.520	1895.840	1888.360	1892.440	1882.240
170.0	1916.920	1899.240	1891.760	1895.840	1887.000
170.5	1920.320	1902.640	1894.480	1899.240	1890.400
171.0	1923.720	1905.360	1897.200	1902.640	1893.800
171.5	1926.440	1908.080	1899.920	1906.040	1897.200
172.0	1929.160	1910.800	1901.960	1908.760	1899.920
172.5	1931.880	1913.520	1904.000	1910.800	1901.960
173.0	1934.600	1916.240	1906.040	1913.520	1903.320
173.5	1936.640	1918.280	1908.080	1914.880	1904.680
174.0	1938.680	1920.320	1910.120	1916.240	1905.360
174.5	1940.040	1921.680	1911.480	1917.600	1906.040
175.0	1941.400	1923.720	1912.840	1918.280	1906.040
175.5	1942.760	1925.080	1914.880	1918.960	1906.720
176.0	1944.120	1926.440	1916.240	1918.960	1906.720
176.5	1944.800	1927.800	1916.920	1919.640	1906.720
177.0	1945.480	1929.160	1918.280	1919.640	1906.040
177.5	1946.840	1930.520	1919.640	1919.640	1906.040
178.0	1947.520	1930.520	1920.320	1919.640	1906.720
178.5	1947.520	1931.200	1921.000	1919.640	1906.720
179.0	1948.200	1931.880	1921.000	1919.640	1906.720
179.5	1948.880	1931.880	1921.680	1919.640	1906.720
180.0	1925.080	1925.080	1925.080	1925.080	1925.080

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-927U-L15-927D-F-F-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	689.27	N.A.	7.00
0-30	1441.03	N.A.	14.70
0-40	2315.04	N.A.	23.70
0-60	3933.78	N.A.	40.20
0-80	4817.35	N.A.	49.30
0-90	4910.71	N.A.	50.20
10-90	4730.8	N.A.	48.40
20-40	1625.77	N.A.	16.60
20-50	2493.4	N.A.	25.50
40-70	2181.3	N.A.	22.30
60-80	883.57	N.A.	9.00
70-80	321.01	N.A.	3.30
80-90	93.36	N.A.	1.00
90-110	278.59	N.A.	2.80
90-120	715.17	N.A.	7.30
90-130	1448.82	N.A.	14.80
90-150	3369.85	N.A.	34.50
90-180	4870.32	N.A.	49.80
110-180	4591.73	N.A.	46.90
0-180	9781.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	179.91
10-20	509.36
20-30	751.76
30-40	874.01
40-50	867.63
50-60	751.11
60-70	562.56
70-80	321.01
80-90	93.36
90-100	60.09
100-110	218.50
110-120	436.58
120-130	733.65
130-140	959.31
140-150	961.71
150-160	794.42
160-170	523.49
170-180	182.56

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-927U-L15-927D-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 : MX4UDC-4-00-L15-927U-L15-927D-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	16.7	17.6	17.7	18.6	19.8	UGR Viewed Endwise	16.6	17.5	17.6	18.5	19.7
	3H	18.5	19.3	19.5	20.2	21.5		18.4	19.2	19.4	20.2	21.4
	4H	19.1	19.8	20.1	20.8	22.1		19.0	19.8	20.0	20.7	22.0
	6H	19.5	20.2	20.5	21.2	22.5		19.5	20.2	20.5	21.2	22.5
	8H	19.7	20.3	20.7	21.3	22.6		19.6	20.3	20.6	21.3	22.6
	12H	19.7	20.4	20.7	21.4	22.7		19.7	20.3	20.7	21.3	22.7

4H	2H	17.3	18.0	18.3	19.0	20.3	17.2	17.9	18.2	18.9	20.2
	3H	19.2	19.8	20.2	20.9	22.2	19.2	19.8	20.2	20.8	22.1
	4H	20.0	20.5	21.0	21.5	22.9	19.9	20.5	20.9	21.5	22.8
	6H	20.5	21.0	21.5	22.0	23.4	20.5	21.0	21.5	22.0	23.4
	8H	20.7	21.2	21.7	22.2	23.5	20.7	21.2	21.7	22.2	23.5
	12H	20.8	21.2	21.9	22.3	23.6	20.8	21.2	21.9	22.3	23.6

8H	4H	20.2	20.7	21.2	21.7	23.0	20.2	20.6	21.2	21.6	23.0
	6H	20.9	21.3	21.9	22.3	23.7	20.9	21.3	21.9	22.3	23.7
	8H	21.2	21.5	22.2	22.5	23.9	21.2	21.5	22.2	22.6	23.9
	12H	21.4	21.6	22.4	22.7	24.1	21.4	21.7	22.5	22.7	24.1

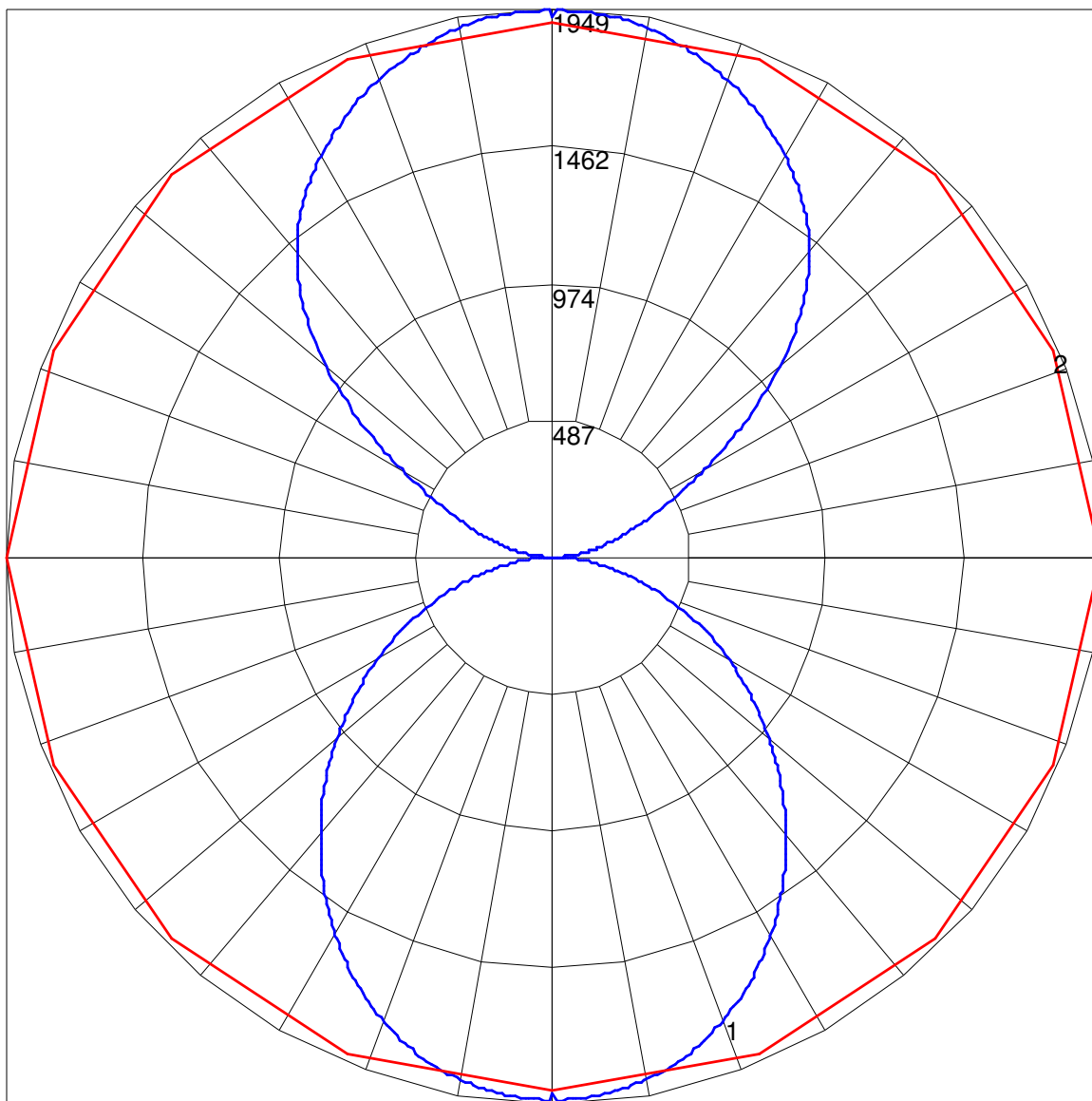
12H	4H	20.2	20.6	21.2	21.7	23.0	20.2	20.6	21.2	21.6	23.0
	6H	20.9	21.3	22.0	22.3	23.7	20.9	21.3	22.0	22.3	23.7
	8H	21.2	21.5	22.3	22.6	24.0	21.3	21.5	22.3	22.6	24.0

Maximum UGR = 24.1

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-927U-L15-927D-F-F-DIM-UNV_.IES

POLAR GRAPH



Maximum Candela = 1948.88 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.)