



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-835U-L12-835D-F-F-DIMU-DIMD-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] 2/23/2026

[TEST DATE] 2/19/2024

[MANUFAC] H E Williams Inc

[LUMCAT] MX4UDC-4'00-L15U-L12D-F-F-DIMU-DIMD-UNV

[LUMINAIRE] White linear extruded luminaire with up and downlight

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

[BALLAST] OTI50/120-277/1A4 DIM-1 L G2 #57452

[OTHER] 24.8 C, 119.951 V, 0.4435 A, 52.6728 W, 0.990119 PF, 60.0072 H

[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	11123
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	92.4
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	13477	13140	12990
55	12389	12089	11962
65	11427	11151	11030
75	9690	9685	9680
85	7568	7872	8100

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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	1955.595	1955.595	1955.595	1955.595	1955.595
0.5	1985.126	1957.236	1947.392	1951.494	1944.931
1.0	1985.126	1956.416	1947.392	1951.494	1944.931
1.5	1984.306	1955.595	1946.572	1951.494	1944.111
2.0	1983.485	1954.775	1945.752	1950.673	1944.111
2.5	1982.665	1953.955	1944.111	1949.853	1943.291
3.0	1981.024	1952.314	1943.291	1949.033	1941.650
3.5	1979.384	1950.673	1941.650	1947.392	1940.009
4.0	1977.743	1949.033	1940.009	1945.752	1938.369
4.5	1976.103	1946.572	1938.369	1944.111	1935.908
5.0	1974.462	1944.931	1935.908	1941.650	1933.447
5.5	1972.001	1942.470	1933.447	1939.189	1930.986
6.0	1969.540	1939.189	1930.986	1936.728	1927.705
6.5	1966.259	1936.728	1927.705	1933.447	1925.244
7.0	1963.798	1933.447	1925.244	1930.166	1921.963
7.5	1961.337	1930.166	1921.963	1926.885	1919.502
8.0	1957.236	1926.885	1917.861	1923.603	1916.221
8.5	1953.955	1922.783	1913.760	1919.502	1912.119
9.0	1949.853	1919.502	1910.479	1915.400	1908.018
9.5	1945.752	1915.400	1905.557	1910.479	1903.916
10.0	1941.650	1911.299	1901.455	1906.377	1898.995
10.5	1936.728	1906.377	1896.534	1901.455	1894.893
11.0	1932.627	1901.455	1891.612	1896.534	1889.151
11.5	1926.885	1896.534	1886.690	1891.612	1884.229
12.0	1921.963	1891.612	1881.768	1885.870	1878.487
12.5	1917.041	1885.870	1876.026	1880.128	1872.745
13.0	1911.299	1880.948	1870.284	1874.386	1867.003
13.5	1905.557	1874.386	1864.542	1867.823	1861.261
14.0	1899.815	1868.643	1857.979	1862.081	1855.519
14.5	1894.073	1862.901	1851.417	1855.519	1848.956
15.0	1888.331	1856.339	1844.855	1848.956	1842.394
15.5	1880.948	1850.597	1838.292	1841.573	1835.011
16.0	1872.745	1844.034	1830.910	1835.011	1828.449
16.5	1864.542	1836.652	1823.527	1827.628	1821.066
17.0	1857.159	1829.269	1816.144	1820.246	1813.683
17.5	1848.956	1821.066	1807.941	1812.043	1805.480
18.0	1840.753	1812.863	1799.738	1803.840	1797.277
18.5	1832.550	1804.660	1791.535	1794.816	1789.074
19.0	1824.347	1796.457	1784.152	1786.613	1779.231
19.5	1815.324	1788.254	1775.949	1776.770	1769.387
20.0	1807.121	1779.231	1768.567	1767.746	1759.543
20.5	1798.098	1771.028	1760.364	1757.903	1749.700
21.0	1789.074	1762.004	1751.341	1748.059	1739.036
21.5	1779.231	1752.981	1741.497	1738.216	1728.372
22.0	1770.207	1743.138	1730.833	1727.552	1718.528
22.5	1760.364	1733.294	1720.989	1716.888	1707.865
23.0	1750.520	1723.450	1711.146	1705.404	1697.201
23.5	1740.677	1713.607	1700.482	1694.740	1687.357
24.0	1730.013	1703.763	1690.638	1684.076	1676.693
24.5	1719.349	1693.099	1679.974	1673.412	1666.029
25.0	1709.505	1682.435	1669.311	1662.748	1655.365
25.5	1698.841	1671.771	1657.826	1652.084	1643.881
26.0	1687.357	1660.287	1647.162	1641.420	1633.217
26.5	1676.693	1649.623	1635.678	1630.756	1622.553

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27.0	1665.209	1638.139	1624.194	1620.092	1611.069
27.5	1653.725	1626.655	1613.530	1609.429	1600.405
28.0	1642.241	1614.350	1601.226	1597.944	1588.921
28.5	1629.936	1602.046	1589.741	1587.281	1577.437
29.0	1617.632	1590.562	1578.257	1575.796	1565.953
29.5	1606.147	1578.257	1566.773	1563.492	1555.289
30.0	1593.843	1565.953	1555.289	1552.008	1543.805
30.5	1581.538	1553.648	1542.984	1540.523	1532.320
31.0	1568.414	1542.164	1530.680	1528.219	1520.836
31.5	1556.109	1529.860	1518.375	1515.914	1508.532
32.0	1542.984	1516.735	1506.071	1502.790	1496.227
32.5	1529.860	1504.430	1493.766	1490.485	1483.102
33.0	1516.735	1492.126	1481.462	1478.181	1469.978
33.5	1504.430	1479.001	1468.337	1465.056	1457.673
34.0	1490.485	1465.876	1456.033	1451.931	1444.548
34.5	1477.360	1452.751	1442.087	1438.806	1430.603
35.0	1464.236	1440.447	1428.963	1425.681	1416.658
35.5	1450.290	1426.502	1415.838	1412.557	1402.713
36.0	1436.345	1413.377	1402.713	1398.611	1389.588
36.5	1423.220	1400.252	1389.588	1385.487	1376.463
37.0	1409.275	1386.307	1375.643	1371.542	1362.518
37.5	1395.330	1372.362	1362.518	1357.597	1349.393
38.0	1380.565	1358.417	1348.573	1343.651	1335.448
38.5	1366.620	1344.472	1334.628	1330.527	1321.503
39.0	1353.495	1330.527	1320.683	1316.582	1308.379
39.5	1338.730	1316.582	1307.558	1302.636	1293.613
40.0	1324.784	1301.816	1293.613	1288.691	1280.488
40.5	1310.019	1287.871	1279.668	1274.746	1266.543
41.0	1296.074	1273.106	1265.723	1259.981	1251.778
41.5	1281.309	1259.160	1250.957	1246.036	1237.012
42.0	1267.363	1244.395	1237.012	1232.091	1223.067
42.5	1253.418	1230.450	1223.067	1217.325	1209.122
43.0	1238.653	1216.505	1209.122	1203.380	1194.357
43.5	1224.708	1201.739	1194.357	1189.435	1180.412
44.0	1209.943	1186.974	1179.591	1174.670	1166.467
44.5	1195.177	1172.209	1164.826	1159.904	1151.701
45.0	1180.412	1158.264	1150.881	1145.139	1137.756
45.5	1166.467	1143.498	1136.116	1131.194	1123.811
46.0	1151.701	1128.733	1121.350	1116.428	1109.866
46.5	1136.936	1113.967	1107.405	1102.483	1095.921
47.0	1122.170	1099.202	1092.640	1087.718	1081.155
47.5	1106.585	1084.437	1077.874	1072.952	1067.210
48.0	1091.819	1069.671	1063.109	1059.007	1052.445
48.5	1077.054	1054.906	1049.164	1044.242	1037.679
49.0	1061.468	1040.140	1034.398	1029.476	1023.734
49.5	1046.703	1025.375	1019.633	1015.531	1009.789
50.0	1031.117	1010.610	1004.867	1000.766	995.024
50.5	1015.531	995.844	990.102	986.001	981.079
51.0	999.946	981.079	975.337	971.235	966.313
51.5	985.180	966.313	960.571	957.290	951.548
52.0	970.415	951.548	945.806	942.525	937.603
52.5	954.829	936.783	931.040	928.580	922.837
53.0	940.064	922.017	916.275	913.814	908.072
53.5	924.478	907.252	901.510	899.049	893.307
54.0	909.713	892.486	887.565	885.104	878.541
54.5	894.947	878.541	872.799	870.338	863.776

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55.0	880.182	864.596	858.854	856.393	849.831
55.5	866.237	849.831	844.089	841.628	835.886
56.0	850.651	835.065	829.323	827.683	821.120
56.5	835.886	821.120	814.968	813.163	806.683
57.0	821.941	806.355	800.449	798.480	792.328
57.5	807.503	792.082	786.011	784.207	777.808
58.0	793.066	777.973	771.492	769.852	763.453
58.5	778.547	763.781	757.219	755.742	749.672
59.0	764.274	749.508	742.864	741.469	735.645
59.5	750.410	735.071	728.262	727.278	721.782
60.0	736.219	720.716	713.825	713.005	707.673
60.5	722.192	706.688	699.880	698.650	693.400
61.0	708.411	692.661	686.017	684.622	679.454
61.5	693.646	678.798	672.236	670.677	665.673
62.0	679.126	664.525	657.963	656.814	651.564
62.5	664.279	651.318	644.510	643.607	638.193
63.0	650.006	639.670	634.174	633.764	629.334
63.5	635.568	626.955	622.608	621.705	617.112
64.0	626.873	614.569	610.631	608.827	603.577
64.5	613.338	601.362	597.096	595.456	590.534
65.0	598.163	587.253	583.725	582.167	577.409
65.5	582.659	572.980	569.780	569.042	564.202
66.0	567.730	559.034	556.163	555.835	550.667
66.5	552.964	544.761	542.300	542.300	537.707
67.0	538.363	530.570	528.601	528.847	524.664
67.5	524.008	516.625	514.820	515.312	511.211
68.0	509.488	502.680	501.039	501.695	497.430
68.5	494.887	488.489	487.176	488.079	483.895
69.0	479.793	474.215	473.231	473.723	469.868
69.5	465.110	460.188	459.040	459.614	456.087
70.0	450.591	445.997	445.177	445.423	442.306
70.5	436.318	431.724	431.150	431.396	428.443
71.0	421.716	417.533	417.369	417.697	414.498
71.5	407.115	403.342	403.670	403.916	401.127
72.0	392.924	389.068	389.725	390.053	387.674
72.5	378.733	375.041	376.108	376.436	374.467
73.0	364.705	361.342	362.819	363.229	361.506
73.5	351.088	347.807	349.530	350.268	348.381
74.0	337.635	334.272	336.405	336.979	335.749
74.5	324.183	320.983	323.362	323.936	323.034
75.0	310.648	307.777	310.484	311.058	310.319
75.5	297.277	294.570	297.687	298.425	297.605
76.0	283.742	281.855	285.054	285.875	285.218
76.5	270.945	269.304	272.504	273.406	272.832
77.0	258.477	256.672	260.199	261.019	260.117
77.5	245.598	244.367	247.895	248.551	247.649
78.0	233.047	232.063	235.590	236.575	235.672
78.5	220.579	220.086	223.450	224.598	223.860
79.0	208.602	208.110	211.555	212.950	212.376
79.5	196.626	196.380	199.825	201.302	200.809
80.0	184.814	184.896	188.095	190.146	189.489
80.5	172.919	173.658	176.939	178.907	178.415
81.0	161.517	162.665	165.865	167.915	167.587
81.5	150.525	151.756	155.037	157.087	156.841
82.0	140.271	141.092	144.455	146.588	146.342
82.5	130.018	130.756	134.037	136.170	136.006

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83.0	119.764	120.912	123.783	125.998	126.162
83.5	109.674	111.069	113.858	115.990	116.483
84.0	100.241	101.389	104.014	106.065	106.803
84.5	90.643	91.874	94.335	96.385	97.124
85.0	81.702	82.686	84.983	86.788	87.444
85.5	73.007	73.499	75.468	77.354	78.011
86.0	64.476	64.640	66.362	68.085	68.905
86.5	56.026	56.026	57.585	59.144	59.882
87.0	47.495	47.495	48.644	50.613	51.187
87.5	39.046	39.128	40.195	42.163	42.902
88.0	31.007	30.925	31.992	34.124	34.945
88.5	23.297	22.804	24.199	26.086	27.234
89.0	15.094	14.847	16.734	18.539	19.769
89.5	6.973	8.285	10.008	11.402	11.812
90.0	0.000	0.000	0.000	0.000	0.000
90.5	6.290	3.315	3.060	2.975	3.230
91.0	13.855	7.310	5.950	5.865	5.780
91.5	22.270	14.875	8.840	8.755	8.670
92.0	30.770	24.735	12.750	11.390	11.390
92.5	39.610	34.935	19.720	14.280	14.025
93.0	48.790	44.710	27.880	18.955	17.085
93.5	58.055	54.060	36.635	25.585	22.270
94.0	67.150	63.240	46.325	33.490	29.325
94.5	76.500	72.420	56.440	41.650	36.975
95.0	85.680	81.855	66.385	49.980	44.540
95.5	94.860	90.695	76.075	58.565	52.530
96.0	103.615	99.705	85.595	67.490	60.690
96.5	112.455	108.715	95.115	76.585	69.105
97.0	121.040	117.555	104.550	85.680	78.030
97.5	129.880	126.480	114.070	94.945	86.955
98.0	138.635	135.235	123.335	104.125	95.965
98.5	147.390	144.075	132.260	113.475	104.975
99.0	156.315	153.170	141.355	122.400	114.070
99.5	165.325	162.180	150.535	131.325	122.995
100.0	174.165	171.275	159.715	140.505	131.750
100.5	183.345	180.370	168.895	150.025	140.590
101.0	192.780	189.465	178.245	159.630	150.195
101.5	202.385	198.730	187.765	169.235	160.140
102.0	211.735	208.335	197.285	178.840	170.000
102.5	221.510	217.855	207.145	188.445	179.775
103.0	231.540	227.715	216.920	197.965	189.720
103.5	241.570	237.745	227.290	208.165	199.580
104.0	251.855	247.860	237.830	218.705	209.865
104.5	262.480	258.400	248.370	229.500	220.150
105.0	273.360	269.195	258.825	240.125	230.605
105.5	284.495	280.160	269.620	250.835	240.975
106.0	295.800	291.210	280.585	261.715	251.345
106.5	307.190	302.600	292.060	272.680	261.800
107.0	319.345	314.500	304.300	284.325	273.190
107.5	331.925	326.740	316.710	296.650	285.515
108.0	344.420	339.320	329.375	309.995	298.180
108.5	357.595	352.155	342.040	323.340	311.270
109.0	371.110	365.245	355.045	336.855	324.530
109.5	384.965	378.845	368.730	350.285	337.960
110.0	399.755	392.785	382.755	364.055	351.985
110.5	414.885	407.065	397.120	378.845	366.520

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111.0	430.185	422.025	411.995	394.230	381.140
111.5	445.825	437.410	427.125	409.870	396.185
112.0	462.060	453.220	442.170	425.510	410.550
112.5	478.380	469.455	457.385	441.065	425.765
113.0	495.465	486.200	473.450	457.130	441.660
113.5	513.060	503.710	490.450	474.470	458.745
114.0	530.910	521.560	508.470	492.915	477.700
114.5	549.355	540.005	526.830	512.125	497.845
115.0	568.055	558.960	545.870	531.505	518.245
115.5	587.605	578.085	565.420	550.800	538.390
116.0	607.325	597.975	585.650	571.115	558.875
116.5	628.150	618.375	606.560	591.940	580.720
117.0	649.825	639.200	627.640	614.380	603.245
117.5	665.805	655.435	646.935	635.035	626.110
118.0	686.205	674.390	666.740	656.370	646.425
118.5	709.920	697.000	686.970	676.175	664.700
119.0	733.125	719.270	709.920	698.615	685.015
119.5	756.585	742.985	734.230	721.395	707.795
120.0	780.810	767.550	758.625	746.300	731.850
120.5	804.865	792.455	783.785	772.735	757.520
121.0	830.110	817.870	809.115	799.085	784.805
121.5	855.100	843.030	834.360	825.775	811.495
122.0	881.450	868.700	861.050	852.550	838.270
122.5	906.950	894.200	887.400	878.900	863.600
123.0	933.300	921.400	914.600	907.800	891.650
123.5	960.500	948.600	943.500	936.700	920.550
124.0	987.700	976.650	971.550	965.600	950.300
124.5	1014.900	1003.850	999.600	993.650	979.200
125.0	1042.100	1031.050	1026.800	1021.700	1007.250
125.5	1070.150	1059.100	1054.850	1049.750	1034.450
126.0	1097.350	1086.300	1083.750	1077.800	1061.650
126.5	1124.550	1113.500	1112.650	1107.550	1090.550
127.0	1152.600	1141.550	1141.550	1137.300	1121.150
127.5	1180.650	1168.750	1168.750	1166.200	1151.750
128.0	1207.850	1195.950	1196.800	1195.100	1180.650
128.5	1235.050	1222.300	1224.000	1224.000	1208.700
129.0	1262.250	1248.650	1251.200	1252.050	1237.600
129.5	1289.450	1275.850	1279.250	1280.950	1267.350
130.0	1316.650	1303.050	1307.300	1309.850	1298.800
130.5	1343.850	1329.400	1336.200	1337.900	1328.550
131.0	1371.050	1355.750	1363.400	1365.100	1355.750
131.5	1396.550	1381.250	1390.600	1390.600	1382.100
132.0	1422.900	1406.750	1416.950	1417.800	1407.600
132.5	1448.400	1433.100	1443.300	1444.150	1433.100
133.0	1473.900	1459.450	1468.800	1470.500	1457.750
133.5	1499.400	1484.950	1495.150	1496.850	1484.100
134.0	1524.900	1509.600	1519.800	1522.350	1509.600
134.5	1547.850	1534.250	1543.600	1545.300	1534.250
135.0	1570.800	1558.050	1566.550	1568.250	1556.350
135.5	1592.900	1582.700	1589.500	1590.350	1578.450
136.0	1615.000	1605.650	1610.750	1613.300	1601.400
136.5	1637.950	1627.750	1632.000	1636.250	1625.200
137.0	1659.200	1649.850	1654.100	1657.500	1647.300
137.5	1680.450	1670.250	1674.500	1677.050	1666.850
138.0	1700.850	1690.650	1694.050	1695.750	1685.550
138.5	1721.250	1710.200	1713.600	1714.450	1703.400

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-835U-L12-835D-F-F-DIMU-DIMD-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	1740.800	1729.750	1733.150	1733.150	1721.250
139.5	1760.350	1749.300	1751.850	1751.000	1738.250
140.0	1779.050	1767.150	1770.550	1769.700	1756.950
140.5	1796.900	1784.150	1787.550	1786.700	1773.100
141.0	1814.750	1802.000	1804.550	1802.850	1789.250
141.5	1830.900	1818.150	1821.550	1819.000	1803.700
142.0	1847.900	1835.150	1837.700	1834.300	1819.000
142.5	1864.050	1851.300	1853.850	1850.450	1833.450
143.0	1880.200	1866.600	1869.150	1865.750	1848.750
143.5	1895.500	1882.750	1884.450	1881.050	1863.200
144.0	1909.950	1898.050	1898.900	1894.650	1876.800
144.5	1924.400	1912.500	1913.350	1908.250	1890.400
145.0	1938.000	1926.950	1926.950	1921.000	1903.150
145.5	1952.450	1941.400	1940.550	1935.450	1916.750
146.0	1966.050	1955.000	1954.150	1948.200	1930.350
146.5	1979.650	1968.600	1966.900	1961.800	1943.950
147.0	1992.400	1982.200	1978.800	1975.400	1957.550
147.5	2005.150	1994.950	1991.550	1988.150	1970.300
148.0	2017.900	2007.700	2002.600	2000.050	1983.900
148.5	2030.650	2020.450	2013.650	2011.950	1997.500
149.0	2042.550	2033.200	2024.700	2023.850	2011.100
149.5	2054.450	2045.100	2034.900	2035.750	2023.850
150.0	2066.350	2057.000	2045.950	2046.800	2035.750
150.5	2078.250	2068.900	2056.150	2057.000	2047.650
151.0	2089.300	2079.950	2066.350	2067.200	2058.700
151.5	2101.200	2091.000	2077.400	2077.400	2068.900
152.0	2112.250	2102.050	2087.600	2086.750	2079.100
152.5	2123.300	2112.250	2097.800	2096.950	2088.450
153.0	2134.350	2122.450	2108.000	2107.150	2096.950
153.5	2144.550	2132.650	2118.200	2117.350	2104.600
154.0	2154.750	2142.850	2129.250	2127.550	2113.100
154.5	2165.800	2152.200	2139.450	2136.900	2121.600
155.0	2176.000	2161.550	2149.650	2147.100	2130.950
155.5	2185.350	2170.050	2159.850	2157.300	2140.300
156.0	2194.700	2179.400	2170.900	2166.650	2149.650
156.5	2204.050	2188.750	2181.100	2176.850	2159.000
157.0	2213.400	2198.100	2191.300	2187.050	2168.350
157.5	2221.900	2206.600	2200.650	2196.400	2177.700
158.0	2230.400	2215.100	2210.000	2205.750	2187.050
158.5	2239.750	2224.450	2219.350	2215.100	2197.250
159.0	2247.400	2232.950	2227.850	2224.450	2206.600
159.5	2255.900	2241.450	2236.350	2233.800	2215.950
160.0	2263.550	2249.100	2244.850	2242.300	2225.300
160.5	2271.200	2256.750	2252.500	2250.800	2234.650
161.0	2278.850	2264.400	2260.150	2259.300	2244.000
161.5	2286.500	2272.900	2266.950	2267.800	2253.350
162.0	2295.000	2280.550	2273.750	2276.300	2261.850
162.5	2302.650	2288.200	2280.550	2283.950	2269.500
163.0	2310.300	2295.850	2287.350	2291.600	2277.150
163.5	2317.950	2302.650	2294.150	2299.250	2283.950
164.0	2325.600	2309.450	2300.100	2306.050	2290.750
164.5	2331.550	2316.250	2306.050	2312.850	2297.550
165.0	2338.350	2323.050	2312.000	2319.650	2303.500
165.5	2345.150	2329.000	2317.950	2325.600	2309.450
166.0	2351.950	2334.950	2323.900	2331.550	2314.550
166.5	2358.750	2340.900	2329.850	2336.650	2320.500

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-835U-L12-835D-F-F-DIMU-DIMD-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	2364.700	2346.000	2334.950	2341.750	2325.600
167.5	2370.650	2351.100	2340.900	2346.850	2331.550
168.0	2376.600	2356.200	2346.000	2351.950	2336.650
168.5	2382.550	2361.300	2351.100	2357.050	2342.600
169.0	2387.650	2365.550	2356.200	2361.300	2347.700
169.5	2391.900	2369.800	2360.450	2365.550	2352.800
170.0	2396.150	2374.050	2364.700	2369.800	2358.750
170.5	2400.400	2378.300	2368.100	2374.050	2363.000
171.0	2404.650	2381.700	2371.500	2378.300	2367.250
171.5	2408.050	2385.100	2374.900	2382.550	2371.500
172.0	2411.450	2388.500	2377.450	2385.950	2374.900
172.5	2414.850	2391.900	2380.000	2388.500	2377.450
173.0	2418.250	2395.300	2382.550	2391.900	2379.150
173.5	2420.800	2397.850	2385.100	2393.600	2380.850
174.0	2423.350	2400.400	2387.650	2395.300	2381.700
174.5	2425.050	2402.100	2389.350	2397.000	2382.550
175.0	2426.750	2404.650	2391.050	2397.850	2382.550
175.5	2428.450	2406.350	2393.600	2398.700	2383.400
176.0	2430.150	2408.050	2395.300	2398.700	2383.400
176.5	2431.000	2409.750	2396.150	2399.550	2383.400
177.0	2431.850	2411.450	2397.850	2399.550	2382.550
177.5	2433.550	2413.150	2399.550	2399.550	2382.550
178.0	2434.400	2413.150	2400.400	2399.550	2383.400
178.5	2434.400	2414.000	2401.250	2399.550	2383.400
179.0	2435.250	2414.850	2401.250	2399.550	2383.400
179.5	2436.100	2414.850	2402.100	2399.550	2383.400
180.0	2406.350	2406.350	2406.350	2406.350	2406.350

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-835U-L12-835D-F-F-DIMU-DIMD-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	706.76	N.A.	6.40
0-30	1477.6	N.A.	13.30
0-40	2373.79	N.A.	21.30
0-60	4033.6	N.A.	36.30
0-80	4939.59	N.A.	44.40
0-90	5035.32	N.A.	45.30
10-90	4850.84	N.A.	43.60
20-40	1667.02	N.A.	15.00
20-50	2556.67	N.A.	23.00
40-70	2236.65	N.A.	20.10
60-80	905.99	N.A.	8.10
70-80	329.16	N.A.	3.00
80-90	95.73	N.A.	0.90
90-110	348.24	N.A.	3.10
90-120	893.96	N.A.	8.00
90-130	1811.03	N.A.	16.30
90-150	4212.31	N.A.	37.90
90-180	6087.9	N.A.	54.70
110-180	5739.66	N.A.	51.60
0-180	11123.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	184.48
10-20	522.28
20-30	770.84
30-40	896.19
40-50	889.64
50-60	770.17
60-70	576.84
70-80	329.16
80-90	95.73
90-100	75.11
100-110	273.13
110-120	545.72
120-130	917.06
130-140	1199.14
140-150	1202.14
150-160	993.03
160-170	654.37
170-180	228.20

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-835U-L12-835D-F-F-DIMU-DIMD-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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	45
1	97	92	89	85	88	85	82	79	71	68	66	58	56	55	46	45	44	38
2	88	81	75	69	80	74	69	64	62	58	55	51	48	46	40	38	37	32
3	80	71	64	58	73	65	59	54	55	50	46	45	41	39	36	33	31	27
4	73	63	55	49	67	58	51	46	49	43	39	40	36	33	32	29	27	23
5	67	56	48	42	62	52	44	39	43	38	34	36	32	29	29	26	24	20
6	62	50	42	36	57	46	39	34	39	34	29	32	28	25	26	23	21	18
7	57	45	37	32	52	42	35	30	35	30	26	29	25	22	24	21	18	16
8	53	41	33	28	49	38	31	26	32	27	23	27	23	20	22	19	16	14
9	50	37	30	25	45	35	28	23	30	24	21	25	21	18	20	17	15	13
10	46	34	27	22	42	32	25	21	27	22	19	23	19	16	19	16	14	12

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-835U-L12-835D-F-F-DIMU-DIMD-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	16.4	17.2	17.4	18.2	19.6	UGR Viewed Endwise			
	3H	18.2	18.9	19.2	19.9	21.3	16.3	17.1	17.3	18.1
	4H	18.8	19.5	19.8	20.5	21.8	18.1	18.8	19.1	19.8
	6H	19.2	19.8	20.2	20.9	22.2	18.7	19.4	19.7	20.4
	8H	19.3	19.9	20.4	21.0	22.4	19.2	19.8	20.2	20.8
	12H	19.4	20.0	20.4	21.0	22.4	19.3	19.9	20.3	20.9

4H	2H	16.9	17.6	18.0	18.6	20.0	19.4	20.0	20.4	21.0
	3H	18.9	19.5	19.9	20.5	21.9	16.8	17.5	17.9	18.6
	4H	19.6	20.1	20.7	21.2	22.6	18.8	19.4	19.8	20.4
	6H	20.2	20.6	21.2	21.7	23.1	19.6	20.1	20.6	21.1
	8H	20.4	20.8	21.4	21.8	23.3	20.2	20.6	21.2	21.7
	12H	20.5	20.9	21.5	21.9	23.3	20.4	20.8	21.4	21.8

8H	4H	19.9	20.3	20.9	21.3	22.8	20.5	20.9	21.6	22.0
	6H	20.5	20.9	21.6	22.0	23.4	19.8	20.2	20.9	21.3
	8H	20.8	21.1	21.9	22.2	23.6	20.5	20.9	21.6	22.0
	12H	21.0	21.3	22.1	22.3	23.8	20.8	21.1	21.9	22.2

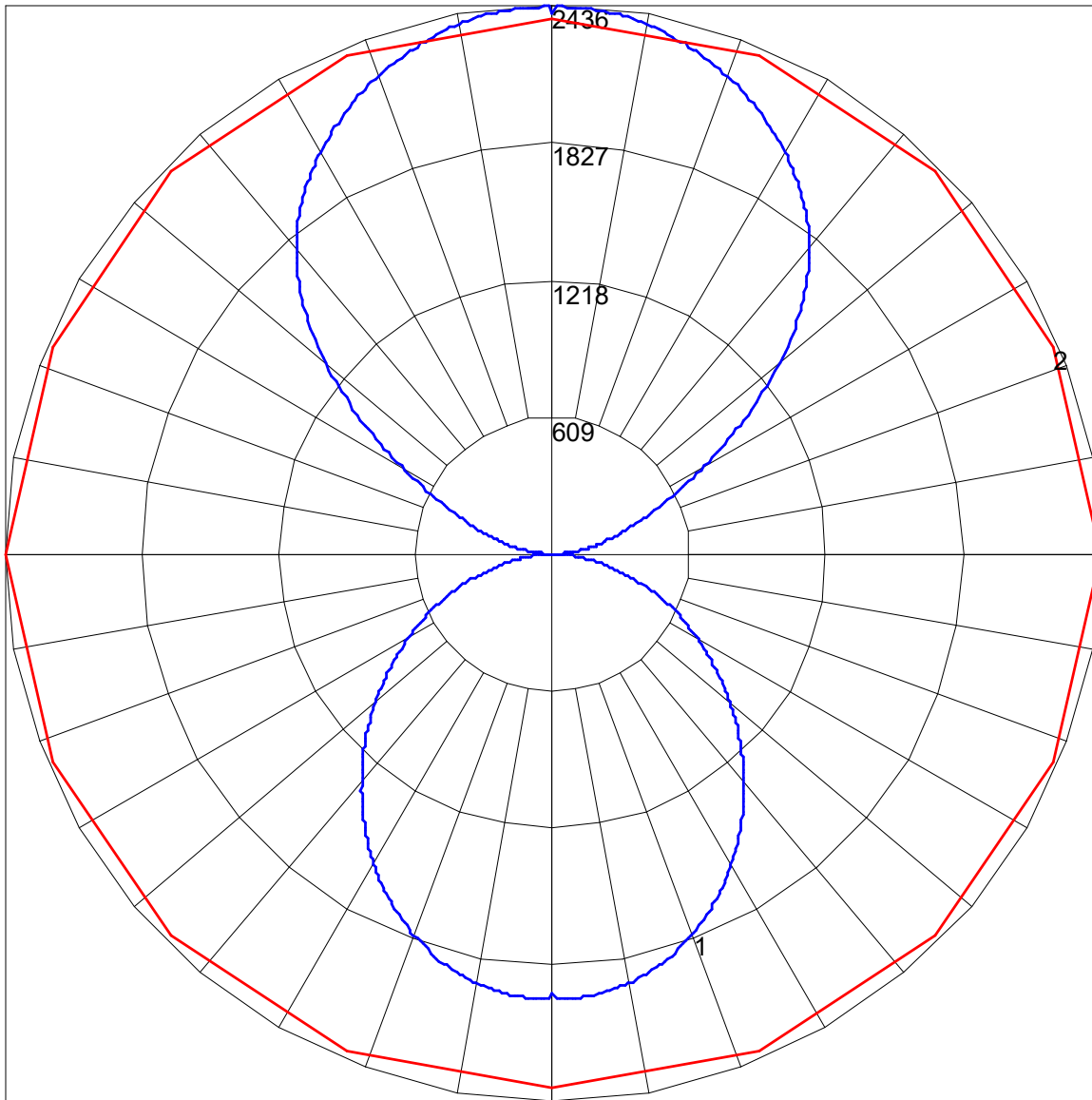
12H	4H	19.9	20.2	20.9	21.3	22.7	21.0	21.3	22.1	22.4
	6H	20.6	20.9	21.7	22.0	23.4	19.8	20.2	20.9	21.3
	8H	20.9	21.2	22.0	22.2	23.7	20.6	20.9	21.7	22.0

Maximum UGR = 23.9

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-835U-L12-835D-F-F-DIMU-DIMD-UNV_.IES

POLAR GRAPH



Maximum Candela = 2436.1 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.)