



IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX4UDC-4'00-L12-835U-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-L12-835U-L12-835D-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	9906
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	81.9
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	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-L12-835U-L12-835D-F-F-DIMU-DIMD-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-L12-835U-L12-835D-F-F-DIMU-DIMD-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-L12-835U-L12-835D-F-F-DIMU-DIMD-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	706.76	N.A.	7.10
0-30	1477.6	N.A.	14.90
0-40	2373.79	N.A.	24.00
0-60	4033.6	N.A.	40.70
0-80	4939.59	N.A.	49.90
0-90	5035.32	N.A.	50.80
10-90	4850.84	N.A.	49.00
20-40	1667.02	N.A.	16.80
20-50	2556.67	N.A.	25.80
40-70	2236.65	N.A.	22.60
60-80	905.99	N.A.	9.10
70-80	329.16	N.A.	3.30
80-90	95.73	N.A.	1.00
90-110	278.59	N.A.	2.80
90-120	715.17	N.A.	7.20
90-130	1448.82	N.A.	14.60
90-150	3369.85	N.A.	34.00
90-180	4870.32	N.A.	49.20
110-180	4591.73	N.A.	46.40
0-180	9905.64	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	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-L12-835U-L12-835D-F-F-DIMU-DIMD-UNV_.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	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	84	84	84	70	70	70	57	57	57	51
1	98	94	90	86	90	87	83	80	73	71	69	61	60	58	50	49	48	43
2	89	82	76	70	82	76	70	66	64	60	57	54	51	48	44	42	40	36
3	81	72	64	59	75	67	60	55	57	52	48	48	44	41	39	37	34	30
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	35	32	30	26
5	68	57	49	43	63	53	45	40	45	40	35	38	34	30	32	28	26	23
6	63	51	43	37	58	47	40	35	41	35	31	34	30	27	29	25	23	20
7	58	46	38	32	54	43	36	31	37	31	27	31	27	24	26	23	20	18
8	54	42	34	29	50	39	32	27	34	28	24	29	24	21	24	21	18	16
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	19	16	14
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	21	17	15	13

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4'00-L12-835U-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	16.9	17.8	17.9	18.8	20.0	16.8	17.7	17.8	18.7	19.9
	3H	18.7	19.5	19.7	20.5	21.7	18.6	19.4	19.6	20.4	21.6
	4H	19.3	20.1	20.3	21.0	22.3	19.2	20.0	20.2	21.0	22.2
	6H	19.7	20.4	20.7	21.4	22.7	19.7	20.4	20.7	21.4	22.7
	8H	19.9	20.5	20.9	21.5	22.8	19.8	20.5	20.8	21.5	22.8
	12H	20.0	20.6	21.0	21.6	22.9	19.9	20.6	20.9	21.6	22.9

UGR Viewed Endwise

4H	2H	17.5	18.2	18.4	19.2	20.5	17.4	18.1	18.4	19.1	20.4
	3H	19.4	20.1	20.4	21.1	22.4	19.4	20.0	20.4	21.0	22.3
	4H	20.2	20.7	21.2	21.7	23.1	20.1	20.7	21.1	21.7	23.0
	6H	20.7	21.2	21.7	22.2	23.6	20.7	21.2	21.7	22.2	23.5
	8H	20.9	21.4	21.9	22.4	23.7	20.9	21.4	21.9	22.4	23.7
	12H	21.0	21.4	22.0	22.5	23.8	21.0	21.5	22.1	22.5	23.8

8H	4H	20.4	20.9	21.4	21.9	23.2	20.4	20.8	21.4	21.8	23.2
	6H	21.1	21.5	22.1	22.5	23.9	21.1	21.5	22.1	22.5	23.9
	8H	21.4	21.7	22.4	22.7	24.1	21.4	21.7	22.4	22.8	24.1
	12H	21.6	21.9	22.6	22.9	24.3	21.6	21.9	22.6	22.9	24.3

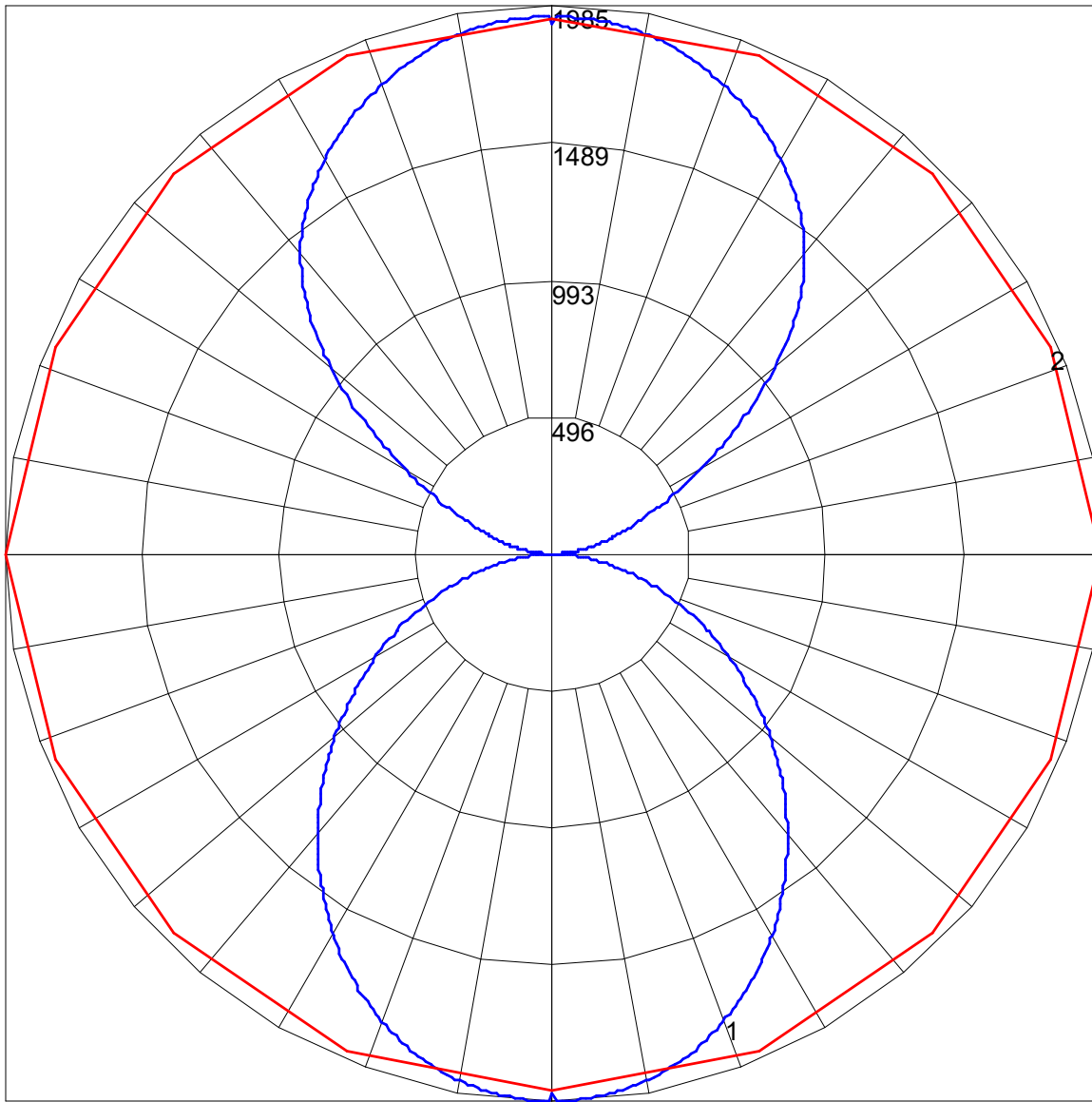
12H	4H	20.4	20.8	21.4	21.9	23.2	20.4	20.8	21.4	21.8	23.2
	6H	21.2	21.5	22.2	22.5	23.9	21.1	21.5	22.2	22.5	23.9
	8H	21.4	21.7	22.5	22.8	24.2	21.5	21.8	22.5	22.8	24.2

Maximum UGR = 24.3

IES INDOOR REPORT

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

POLAR GRAPH



Maximum Candela = 1985.126 Located At Horizontal Angle = 0, Vertical Angle = .5

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

2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)