



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2D-8-00-L8-935-F-(L6)-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN from UL # 13012869.01
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 9-MAY-2025
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO. 64836
 [LUMCAT] MX2D-8-00-L8-935-F-(L6)-DIM-UNV
 [LUMINAIRE] Formed White aluminum housing, frosted plastic lens
 [LAMP] HLMX 90 CRI 3500K CCT 144 LEDS

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4071
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	37.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonal)	1.22
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	8.00 ft
Luminous Width (90-270)	0.17 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11255	10300	9441
55	9929	9027	8175
65	8729	7851	7109
75	7197	6593	6121
85	5191	5583	5709

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1799.893	1799.893	1799.893	1799.893	1799.893
0.5	1797.158	1810.835	1795.790	1795.790	1793.055
1.0	1795.790	1810.835	1795.790	1795.790	1793.055
1.5	1795.790	1809.467	1795.790	1795.790	1793.055
2.0	1795.790	1809.467	1794.422	1795.790	1793.055
2.5	1794.422	1808.099	1794.422	1795.790	1793.055
3.0	1793.055	1808.099	1793.055	1795.790	1791.687
3.5	1791.687	1806.732	1791.687	1794.422	1790.319
4.0	1790.319	1805.364	1790.319	1793.055	1788.952
4.5	1788.952	1803.996	1787.584	1791.687	1787.584
5.0	1786.216	1801.261	1786.216	1790.319	1784.848
5.5	1784.848	1799.893	1783.481	1787.584	1783.481
6.0	1782.113	1797.158	1782.113	1784.848	1780.745
6.5	1779.378	1794.422	1779.378	1780.745	1776.642
7.0	1776.642	1791.687	1776.642	1776.642	1772.539
7.5	1773.907	1788.952	1773.907	1772.539	1768.436
8.0	1771.171	1786.216	1769.804	1767.068	1764.333
8.5	1767.068	1782.113	1767.068	1762.965	1758.862
9.0	1762.965	1779.378	1762.965	1757.494	1753.391
9.5	1760.230	1775.275	1758.862	1752.024	1746.553
10.0	1756.127	1771.171	1753.391	1745.185	1739.714
10.5	1752.024	1767.068	1749.288	1739.714	1732.876
11.0	1747.921	1762.965	1742.450	1732.876	1724.670
11.5	1742.450	1757.494	1736.979	1726.037	1717.831
12.0	1738.347	1753.391	1731.508	1719.199	1709.625
12.5	1732.876	1747.921	1724.670	1710.993	1701.419
13.0	1727.405	1742.450	1717.831	1704.154	1693.213
13.5	1721.934	1736.979	1710.993	1695.948	1686.374
14.0	1716.463	1731.508	1704.154	1687.742	1676.800
14.5	1709.625	1724.670	1695.948	1679.536	1667.226
15.0	1702.786	1717.831	1687.742	1669.962	1659.020
15.5	1697.316	1712.360	1679.536	1660.388	1649.446
16.0	1690.477	1704.154	1671.329	1652.182	1639.872
16.5	1683.639	1697.316	1663.123	1642.608	1630.298
17.0	1676.800	1689.109	1653.549	1631.666	1619.357
17.5	1669.962	1682.271	1643.975	1622.092	1609.783
18.0	1661.755	1674.065	1634.401	1611.151	1598.841
18.5	1654.917	1665.859	1624.828	1601.577	1587.900
19.0	1646.711	1657.652	1615.254	1590.635	1576.958
19.5	1638.505	1648.078	1605.680	1579.693	1566.016
20.0	1630.298	1639.872	1594.738	1568.752	1555.075
20.5	1622.092	1630.298	1583.797	1556.443	1542.766
21.0	1612.518	1620.724	1574.223	1544.133	1530.456
21.5	1604.312	1611.151	1563.281	1531.824	1518.147
22.0	1594.738	1601.577	1552.339	1519.515	1504.470
22.5	1586.532	1592.003	1541.398	1507.205	1490.793
23.0	1576.958	1582.429	1529.089	1493.528	1478.484
23.5	1567.384	1571.487	1518.147	1481.219	1463.439
24.0	1556.443	1561.913	1507.205	1467.542	1449.762
24.5	1546.869	1550.972	1494.896	1453.865	1436.085
25.0	1535.927	1540.030	1482.587	1441.556	1422.408
25.5	1526.353	1527.721	1471.645	1427.879	1408.731
26.0	1514.044	1516.779	1457.968	1412.834	1395.054
26.5	1503.102	1504.470	1445.659	1399.157	1381.377

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2D-8-00-L8-935-F-(L6)-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

27.0	1490.793	1493.528	1433.350	1386.848	1367.563
27.5	1479.851	1481.219	1419.673	1373.171	1353.476
28.0	1467.542	1468.910	1407.363	1358.263	1339.936
28.5	1455.233	1456.600	1393.686	1344.723	1326.122
29.0	1442.923	1442.923	1380.009	1331.046	1312.582
29.5	1427.879	1430.614	1366.059	1316.958	1297.947
30.0	1415.569	1416.937	1352.108	1303.555	1283.586
30.5	1403.260	1403.260	1337.611	1288.920	1269.226
31.0	1389.583	1389.583	1322.976	1274.833	1255.002
31.5	1375.906	1375.906	1308.342	1259.925	1239.683
32.0	1362.639	1361.819	1293.707	1244.881	1224.912
32.5	1349.099	1346.774	1278.799	1229.562	1210.414
33.0	1335.559	1332.277	1263.892	1214.244	1194.823
33.5	1321.745	1317.369	1248.847	1198.652	1180.052
34.0	1307.795	1302.324	1233.255	1183.060	1163.913
34.5	1293.707	1287.142	1218.347	1167.195	1148.321
35.0	1280.030	1272.235	1202.892	1151.056	1132.319
35.5	1265.670	1257.327	1187.300	1135.465	1115.633
36.0	1251.035	1241.735	1172.119	1119.052	1098.810
36.5	1237.495	1226.553	1156.390	1102.640	1081.167
37.0	1222.587	1211.372	1140.251	1086.227	1063.660
37.5	1207.816	1196.190	1124.386	1069.678	1046.290
38.0	1193.455	1180.735	1108.247	1053.129	1028.921
38.5	1178.547	1165.691	1092.382	1036.033	1014.423
39.0	1163.366	1150.509	1076.790	1020.304	1000.199
39.5	1148.184	1135.465	1061.062	1007.037	983.650
40.0	1132.729	1120.557	1045.196	991.993	967.511
40.5	1117.548	1105.512	1029.878	975.854	951.919
41.0	1102.640	1090.741	1017.842	960.262	936.874
41.5	1087.321	1075.833	1003.345	945.217	922.240
42.0	1072.277	1060.651	989.804	930.446	908.153
42.5	1056.959	1045.743	974.897	916.359	894.476
43.0	1042.187	1030.562	960.536	902.545	881.209
43.5	1027.963	1018.800	946.312	889.005	868.079
44.0	1015.517	1005.259	932.361	875.738	855.223
44.5	1003.618	990.899	918.547	862.608	842.230
45.0	988.710	976.811	904.870	849.752	829.373
45.5	974.213	962.040	891.330	836.896	816.654
46.0	959.715	947.406	877.927	824.176	803.797
46.5	945.354	932.908	864.660	811.320	791.214
47.0	930.857	918.684	851.393	798.600	778.495
47.5	916.496	904.460	837.990	785.607	765.775
48.0	902.408	890.236	824.586	772.750	753.192
48.5	888.458	876.149	811.046	760.031	740.610
49.0	874.507	862.061	797.506	747.311	728.163
49.5	860.557	848.248	783.829	734.728	715.854
50.0	846.606	834.297	770.425	722.146	703.545
50.5	832.656	820.346	757.022	709.700	691.372
51.0	818.705	806.533	743.755	697.390	679.200
51.5	804.481	792.719	730.625	684.944	667.027
52.0	790.531	778.632	717.632	672.635	654.855
52.5	776.443	764.955	705.049	660.326	642.819
53.0	762.630	751.278	692.467	648.153	630.646
53.5	748.816	737.737	680.157	635.980	618.474
54.0	735.002	724.334	667.711	623.808	606.438
54.5	721.188	711.067	655.402	611.635	594.402

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55.0	707.511	697.801	643.229	599.600	582.503
55.5	694.108	684.671	631.057	587.701	570.741
56.0	680.841	671.404	618.884	576.075	559.116
56.5	667.711	658.274	606.712	564.450	547.901
57.0	654.855	645.281	594.402	552.961	536.822
57.5	641.998	632.561	582.230	541.609	525.881
58.0	629.416	619.978	570.057	530.257	515.076
58.5	616.833	607.396	558.022	519.042	504.271
59.0	604.250	594.949	546.259	507.964	493.603
59.5	591.804	582.503	534.360	497.159	483.072
60.0	579.631	570.057	522.598	486.491	472.677
60.5	567.322	557.748	511.109	475.823	462.146
61.0	555.149	545.576	499.758	465.292	451.888
61.5	542.840	533.677	488.406	454.760	441.767
62.0	530.668	521.778	477.191	444.502	431.920
62.5	518.495	510.015	466.112	434.382	421.935
63.0	506.459	498.116	455.171	424.261	412.088
63.5	494.424	486.217	444.366	414.140	402.377
64.0	482.388	474.318	433.561	404.292	392.667
64.5	470.352	462.419	422.893	394.308	382.956
65.0	458.316	450.657	412.225	384.460	373.245
65.5	446.417	439.032	401.693	374.476	363.671
66.0	434.518	427.406	391.162	364.629	354.645
66.5	422.619	415.918	380.631	354.781	345.071
67.0	410.994	404.155	370.100	344.934	335.634
67.5	399.232	392.530	359.568	335.223	326.060
68.0	387.469	380.904	349.174	325.513	316.759
68.5	375.844	369.416	338.643	315.939	307.459
69.0	364.219	358.064	328.248	306.502	298.295
69.5	352.456	346.712	317.853	297.064	289.132
70.0	341.104	335.360	307.732	287.764	280.242
70.5	329.752	324.145	297.612	278.600	271.352
71.0	318.401	312.793	287.627	269.437	262.598
71.5	307.322	301.851	277.643	260.547	253.982
72.0	296.244	290.910	267.796	251.657	245.502
72.5	285.302	280.242	258.222	242.904	237.159
73.0	274.361	269.574	248.785	234.287	228.816
73.5	263.419	259.042	239.347	225.670	220.610
74.0	252.614	248.511	230.047	217.191	212.541
74.5	241.946	238.117	221.020	208.985	204.608
75.0	231.415	227.996	211.993	200.778	196.812
75.5	221.020	217.875	203.103	192.709	189.153
76.0	210.626	208.164	194.213	184.639	181.494
76.5	200.505	198.316	185.597	176.707	173.971
77.0	190.384	188.743	176.980	169.048	166.586
77.5	180.536	179.169	168.774	161.389	159.200
78.0	170.826	169.868	160.568	154.003	151.951
78.5	161.252	160.705	152.499	146.617	144.839
79.0	151.951	151.678	144.703	139.505	137.864
79.5	142.651	143.061	136.907	132.393	131.026
80.0	133.761	134.582	129.111	125.281	124.187
80.5	125.008	126.239	121.725	118.443	117.485
81.0	116.528	118.033	114.476	111.604	110.920
81.5	108.185	110.100	107.091	104.903	104.356
82.0	100.116	102.167	100.116	98.338	98.064
82.5	92.183	94.508	93.004	91.909	91.636

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-8-00-L8-935-F-(L6)-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	84.661	86.986	86.165	85.618	85.481
83.5	77.138	79.737	79.463	79.327	79.327
84.0	70.026	72.762	72.898	73.172	73.445
84.5	63.051	65.923	66.607	67.291	67.564
85.0	56.212	59.221	60.452	61.410	61.820
85.5	49.784	52.793	54.434	55.665	56.349
86.0	43.493	46.502	48.553	50.058	50.742
86.5	37.475	40.621	42.809	44.587	45.544
87.0	31.594	34.740	37.201	39.253	40.347
87.5	25.850	29.132	31.867	34.056	35.150
88.0	20.242	23.661	26.533	28.858	30.226
88.5	14.771	18.190	21.199	23.935	25.439
89.0	9.164	12.583	15.729	18.190	19.695
89.5	3.693	6.838	8.890	9.984	10.942
90.0	0.821	3.146	4.787	6.155	6.702
90.5	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000
96.5	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

111.0	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000
124.5	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-8-00-L8-935-F-(L6)-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

139.0	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-8-00-L8-935-F-(L6)-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

167.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2D-8-00-L8-935-F-(L6)-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	645.09	N.A.	15.80
0-30	1327.95	N.A.	32.60
0-40	2081.79	N.A.	51.10
0-60	3363.17	N.A.	82.60
0-80	4002.73	N.A.	98.30
0-90	4070.77	N.A.	100.00
10-90	3900.96	N.A.	95.80
20-40	1436.7	N.A.	35.30
20-50	2139.05	N.A.	52.50
40-70	1693.42	N.A.	41.60
60-80	639.57	N.A.	15.70
70-80	227.51	N.A.	5.60
80-90	68.03	N.A.	1.70
90-110	0.12	N.A.	0.00
90-120	0.12	N.A.	0.00
90-130	0.12	N.A.	0.00
90-150	0.12	N.A.	0.00
90-180	0.12	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4070.89	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	169.81
10-20	475.28
20-30	682.86
30-40	753.84
40-50	702.35
50-60	579.02
60-70	412.05
70-80	227.51
80-90	68.03
90-100	0.12
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2D-8-00-L8-935-F-(L6)-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	99	99	99	99	97	97	97	97	92	92	92	89	89	89	85	85	85	83
1	91	87	84	81	89	85	82	80	82	79	77	79	77	75	76	74	73	71
2	83	77	71	67	81	75	70	66	72	68	65	70	66	63	67	64	62	60
3	76	68	62	57	74	67	61	56	64	59	55	62	58	54	60	56	53	51
4	70	61	54	49	68	60	53	48	58	52	48	56	51	47	54	50	46	45
5	65	55	48	42	63	54	47	42	52	46	42	50	45	41	49	44	41	39
6	60	50	42	37	59	49	42	37	47	41	37	46	41	37	45	40	36	35
7	56	45	38	33	55	45	38	33	43	37	33	42	37	33	41	36	32	31
8	52	41	35	30	51	41	34	30	40	34	30	39	33	29	38	33	29	28
9	49	38	32	27	48	38	31	27	37	31	27	36	31	27	35	30	27	25
10	46	35	29	25	45	35	29	25	34	28	25	33	28	24	33	28	24	23

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2D-8-00-L8-935-F-(L6)-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

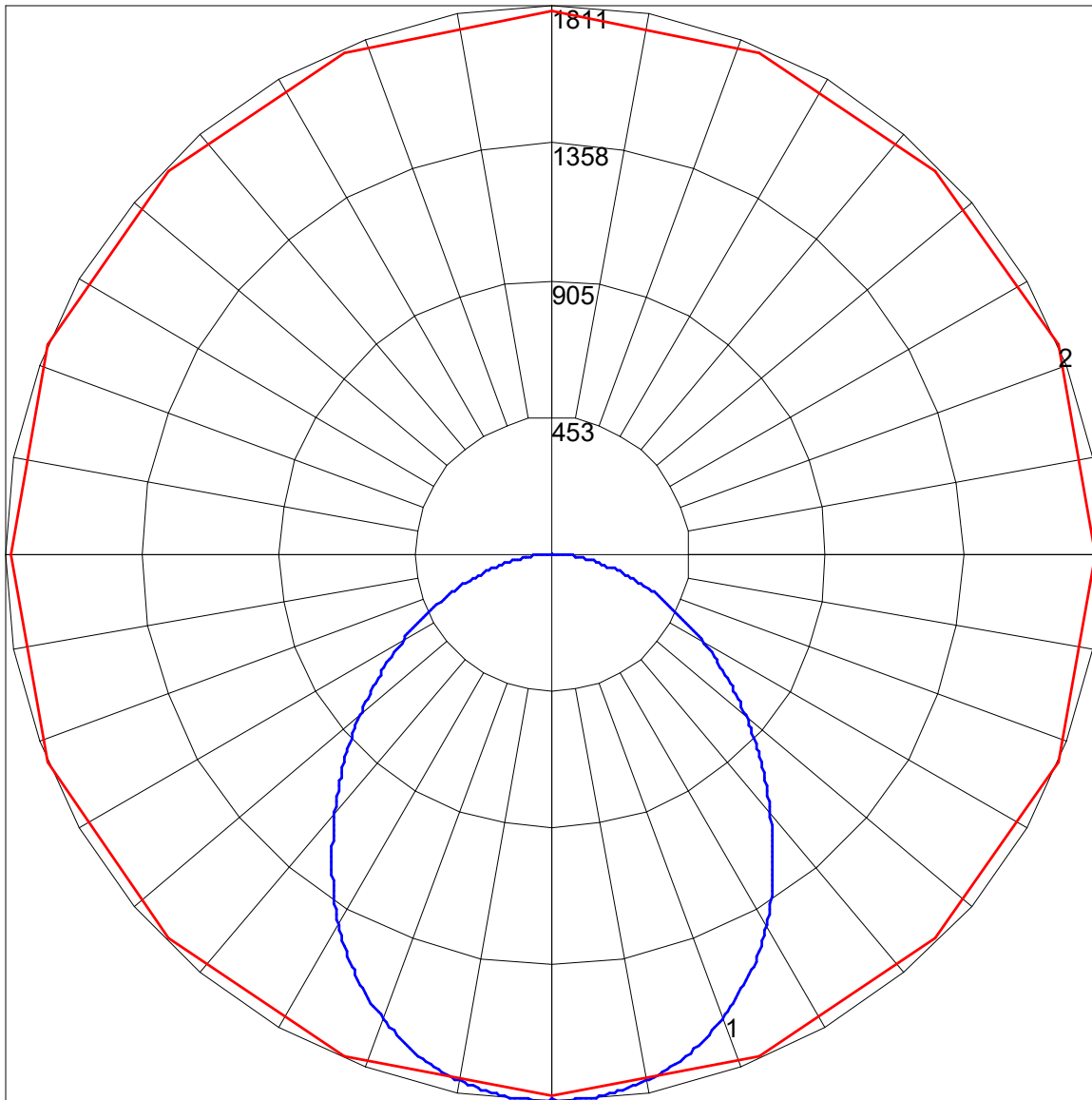
X=2H	Y=2H	20.5	22.1	20.9	22.4	22.7	19.4	20.9	19.7	21.2	21.5
	3H	22.2	23.6	22.5	23.9	24.2	21.0	22.4	21.4	22.7	23.1
	4H	22.7	24.1	23.1	24.4	24.8	21.6	22.9	22.0	23.2	23.6
	6H	23.2	24.4	23.6	24.7	25.1	22.1	23.3	22.5	23.6	24.0
	8H	23.3	24.4	23.7	24.8	25.2	22.2	23.4	22.6	23.8	24.2
	12H	23.4	24.5	23.8	24.9	25.3	22.4	23.5	22.8	23.8	24.3

UGR Viewed Endwise

4H	2H	21.0	22.3	21.4	22.6	23.0	20.0	21.4	20.4	21.7	22.1
	3H	22.8	23.9	23.2	24.3	24.7	21.8	23.0	22.3	23.4	23.8
	4H	23.6	24.5	24.0	25.0	25.4	22.6	23.6	23.0	24.0	24.4
	6H	24.1	25.0	24.6	25.4	25.9	23.2	24.0	23.6	24.5	24.9
	8H	24.3	25.1	24.7	25.5	26.0	23.4	24.2	23.9	24.6	25.1
	12H	24.4	25.1	24.9	25.6	26.1	23.6	24.3	24.1	24.8	25.2
8H	4H	23.8	24.6	24.2	25.0	25.5	22.9	23.7	23.4	24.2	24.6
	6H	24.4	25.1	24.9	25.6	26.1	23.6	24.3	24.1	24.8	25.3
	8H	24.7	25.3	25.2	25.8	26.3	23.9	24.5	24.4	25.0	25.5
	12H	24.9	25.4	25.4	25.9	26.5	24.2	24.7	24.7	25.2	25.8
12H	4H	23.8	24.5	24.3	25.0	25.5	22.9	23.7	23.4	24.1	24.6
	6H	24.5	25.1	25.0	25.6	26.1	23.7	24.3	24.2	24.8	25.3
	8H	24.8	25.3	25.3	25.8	26.4	24.0	24.6	24.6	25.1	25.6

Maximum UGR = 26.5

POLAR GRAPH



Maximum Candela = 1810.835 Located At Horizontal Angle = 22.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)