



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2D-8-00-L8-835-F-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 13012869.01
 [TESTLAB] UL Verification Services Inc.
 [ISSUE DATE] 25-JUN-2020
 [MANUFACT] H E Williams Inc
 [LUMCAT] MX2D-8'00-L8/835-F-DIM-UNV
 [LUMINAIRE] Formed White aluminum housing, frosted plastic lens
 [LAMP] 144 White LEDs
 [OTHER] This test was performed using the calibrated photodetector met
 [MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6486
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	51.5
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	17933	16412	15043
55	15820	14383	13025
65	13908	12510	11327
75	11467	10505	9753
85	8272	8896	9097

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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	2867.827	2867.827	2867.827	2867.827	2867.827
0.5	2863.469	2885.261	2861.290	2861.290	2856.931
1.0	2861.290	2885.261	2861.290	2861.290	2856.931
1.5	2861.290	2883.082	2861.290	2861.290	2856.931
2.0	2861.290	2883.082	2859.110	2861.290	2856.931
2.5	2859.110	2880.902	2859.110	2861.290	2856.931
3.0	2856.931	2880.902	2856.931	2861.290	2854.752
3.5	2854.752	2878.723	2854.752	2859.110	2852.573
4.0	2852.573	2876.544	2852.573	2856.931	2850.394
4.5	2850.394	2874.365	2848.214	2854.752	2848.214
5.0	2846.035	2870.006	2846.035	2852.573	2843.856
5.5	2843.856	2867.827	2841.677	2848.214	2841.677
6.0	2839.498	2863.469	2839.498	2843.856	2837.318
6.5	2835.139	2859.110	2835.139	2837.318	2830.781
7.0	2830.781	2854.752	2830.781	2830.781	2824.243
7.5	2826.422	2850.394	2826.422	2824.243	2817.706
8.0	2822.064	2846.035	2819.885	2815.526	2811.168
8.5	2815.526	2839.498	2815.526	2808.989	2802.451
9.0	2808.989	2835.139	2808.989	2800.272	2793.734
9.5	2804.630	2828.602	2802.451	2791.555	2782.838
10.0	2798.093	2822.064	2793.734	2780.659	2771.942
10.5	2791.555	2815.526	2787.197	2771.942	2761.046
11.0	2785.018	2808.989	2776.301	2761.046	2747.971
11.5	2776.301	2800.272	2767.584	2750.150	2737.075
12.0	2769.763	2793.734	2758.867	2739.254	2724.000
12.5	2761.046	2785.018	2747.971	2726.179	2710.925
13.0	2752.330	2776.301	2737.075	2715.283	2697.850
13.5	2743.613	2767.584	2726.179	2702.208	2686.954
14.0	2734.896	2758.867	2715.283	2689.133	2671.699
14.5	2724.000	2747.971	2702.208	2676.058	2656.445
15.0	2713.104	2737.075	2689.133	2660.803	2643.370
15.5	2704.387	2728.358	2676.058	2645.549	2628.115
16.0	2693.491	2715.283	2662.982	2632.474	2612.861
16.5	2682.595	2704.387	2649.907	2617.219	2597.606
17.0	2671.699	2691.312	2634.653	2599.786	2580.173
17.5	2660.803	2680.416	2619.398	2584.531	2564.918
18.0	2647.728	2667.341	2604.144	2567.098	2547.485
18.5	2636.832	2654.266	2588.890	2551.843	2530.051
19.0	2623.757	2641.190	2573.635	2534.410	2512.618
19.5	2610.682	2625.936	2558.381	2516.976	2495.184
20.0	2597.606	2612.861	2540.947	2499.542	2477.750
20.5	2584.531	2597.606	2523.514	2479.930	2458.138
21.0	2569.277	2582.352	2508.259	2460.317	2438.525
21.5	2556.202	2567.098	2490.826	2440.704	2418.912
22.0	2540.947	2551.843	2473.392	2421.091	2397.120
22.5	2527.872	2536.589	2455.958	2401.478	2375.328
23.0	2512.618	2521.334	2436.346	2379.686	2355.715
23.5	2497.363	2503.901	2418.912	2360.074	2331.744
24.0	2479.930	2488.646	2401.478	2338.282	2309.952
24.5	2464.675	2471.213	2381.866	2316.490	2288.160
25.0	2447.242	2453.779	2362.253	2296.877	2266.368
25.5	2431.987	2434.166	2344.819	2275.085	2244.576
26.0	2412.374	2416.733	2323.027	2251.114	2222.784
26.5	2394.941	2397.120	2303.414	2229.322	2200.992

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CANDELA TABULATION - (Cont.)

27.0	2375.328	2379.686	2283.802	2209.709	2178.982
27.5	2357.894	2360.074	2262.010	2187.917	2156.536
28.0	2338.282	2340.461	2242.397	2164.163	2134.962
28.5	2318.669	2320.848	2220.605	2142.589	2112.952
29.0	2299.056	2299.056	2198.813	2120.797	2091.378
29.5	2275.085	2279.443	2176.585	2098.352	2068.061
30.0	2255.472	2257.651	2154.357	2076.995	2045.179
30.5	2235.859	2235.859	2131.258	2053.678	2022.298
31.0	2214.067	2214.067	2107.940	2031.232	1999.634
31.5	2192.275	2192.275	2084.623	2007.479	1975.227
32.0	2171.137	2169.829	2061.305	1983.508	1951.691
32.5	2149.563	2145.858	2037.552	1959.101	1928.592
33.0	2127.989	2122.759	2013.799	1934.694	1903.749
33.5	2105.979	2099.005	1989.827	1909.851	1880.214
34.0	2083.751	2075.034	1964.985	1885.008	1854.499
34.5	2061.305	2050.845	1941.231	1859.729	1829.656
35.0	2039.513	2027.092	1916.606	1834.015	1804.160
35.5	2016.632	2003.338	1891.763	1809.172	1777.573
36.0	1993.314	1978.496	1867.574	1783.021	1750.769
36.5	1971.740	1954.307	1842.514	1756.871	1722.658
37.0	1947.987	1930.117	1816.799	1730.721	1694.764
37.5	1924.451	1905.928	1791.520	1704.352	1667.088
38.0	1901.570	1881.303	1765.806	1677.984	1639.412
38.5	1877.817	1857.332	1740.527	1650.744	1616.313
39.0	1853.627	1833.143	1715.684	1625.683	1593.649
39.5	1829.438	1809.172	1690.623	1604.545	1567.281
40.0	1804.813	1785.419	1665.345	1580.574	1541.566
40.5	1780.624	1761.447	1640.938	1554.859	1516.723
41.0	1756.871	1737.912	1621.761	1530.016	1492.752
41.5	1732.464	1714.159	1598.661	1506.045	1469.435
42.0	1708.493	1689.970	1577.087	1482.510	1446.989
42.5	1684.086	1666.216	1553.334	1460.064	1425.197
43.0	1660.550	1642.027	1530.452	1438.054	1404.059
43.5	1637.887	1623.286	1507.788	1416.480	1383.138
44.0	1618.056	1601.712	1485.561	1395.342	1362.654
44.5	1599.097	1578.830	1463.551	1374.421	1341.951
45.0	1575.344	1556.385	1441.759	1353.937	1321.467
45.5	1552.244	1532.849	1420.185	1333.452	1301.200
46.0	1529.145	1509.532	1398.828	1313.186	1280.716
46.5	1506.263	1486.432	1377.690	1292.701	1260.667
47.0	1483.163	1463.769	1356.552	1272.435	1240.401
47.5	1460.282	1441.105	1335.196	1251.732	1220.134
48.0	1437.836	1418.441	1313.840	1231.248	1200.085
48.5	1415.608	1395.995	1292.266	1210.981	1180.037
49.0	1393.380	1373.550	1270.691	1190.715	1160.206
49.5	1371.153	1351.540	1248.899	1170.666	1140.593
50.0	1348.925	1329.312	1227.543	1150.618	1120.980
50.5	1326.697	1307.084	1206.187	1130.787	1101.586
51.0	1304.469	1285.074	1185.049	1111.174	1082.191
51.5	1281.805	1263.064	1164.129	1091.343	1062.796
52.0	1259.578	1240.619	1143.426	1071.731	1043.401
52.5	1237.132	1218.827	1123.378	1052.118	1024.224
53.0	1215.122	1197.035	1103.329	1032.723	1004.829
53.5	1193.112	1175.460	1083.716	1013.328	985.434
54.0	1171.102	1154.104	1063.885	993.933	966.257
54.5	1149.092	1132.966	1044.273	974.538	947.080

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55.0	1127.300	1111.828	1024.878	955.361	928.121
55.5	1105.944	1090.907	1005.483	936.402	909.380
56.0	1084.806	1069.769	986.088	917.879	890.857
56.5	1063.885	1048.849	966.693	899.356	872.987
57.0	1043.401	1028.147	947.080	881.051	855.336
57.5	1022.916	1007.880	927.685	862.963	837.902
58.0	1002.868	987.831	908.291	844.876	820.687
58.5	982.819	967.783	889.114	827.006	803.471
59.0	962.771	947.952	870.372	809.355	786.473
59.5	942.940	928.121	851.413	792.139	769.693
60.0	923.545	908.291	832.672	775.141	753.131
60.5	903.932	888.678	814.367	758.144	736.352
61.0	884.537	869.283	796.280	741.364	720.008
61.5	864.924	850.324	778.192	724.584	703.882
62.0	845.530	831.365	760.323	708.240	688.191
62.5	826.135	812.624	742.671	692.114	672.283
63.0	806.958	793.665	725.238	675.988	656.593
63.5	787.781	774.706	708.022	659.862	641.121
64.0	768.604	755.747	690.806	644.172	625.648
64.5	749.427	736.787	673.809	628.263	610.176
65.0	730.250	718.046	656.811	612.573	594.704
65.5	711.291	699.523	640.031	596.665	579.449
66.0	692.332	681.000	623.251	580.975	565.067
66.5	673.373	662.695	606.471	565.284	549.812
67.0	654.850	643.954	589.692	549.594	534.776
67.5	636.108	625.430	572.912	534.122	519.521
68.0	617.367	606.907	556.350	518.650	504.703
68.5	598.844	588.602	539.570	503.395	489.884
69.0	580.321	570.515	523.008	488.359	475.284
69.5	561.580	552.427	506.446	473.322	460.683
70.0	543.492	534.340	490.320	458.504	446.518
70.5	525.405	516.470	474.194	443.903	432.353
71.0	507.318	498.383	458.286	429.302	418.406
71.5	489.666	480.949	442.378	415.138	404.677
72.0	472.015	463.516	426.687	400.973	391.166
72.5	454.581	446.518	411.433	387.026	377.873
73.0	437.148	429.520	396.396	373.297	364.580
73.5	419.714	412.740	381.360	359.568	351.505
74.0	402.498	395.961	366.541	346.057	338.648
74.5	385.500	379.399	352.159	332.982	326.008
75.0	368.721	363.273	337.776	319.907	313.587
75.5	352.159	347.147	323.611	307.049	301.383
76.0	335.597	331.674	309.446	294.192	289.180
76.5	319.471	315.984	295.717	281.553	277.194
77.0	303.345	300.730	281.988	269.349	265.427
77.5	287.654	285.475	268.913	257.146	253.659
78.0	272.182	270.657	255.838	245.378	242.109
78.5	256.928	256.056	242.981	233.610	230.777
79.0	242.109	241.673	230.559	222.278	219.663
79.5	227.291	227.944	218.138	210.947	208.767
80.0	213.126	214.433	205.716	199.615	197.871
80.5	199.179	201.140	193.949	188.719	187.193
81.0	185.668	188.065	182.399	177.823	176.733
81.5	172.375	175.426	170.631	167.145	166.273
82.0	159.517	162.786	159.517	156.684	156.249
82.5	146.878	150.583	148.186	146.442	146.006

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CANDELA TABULATION - (Cont.)

83.0	134.892	138.597	137.290	136.418	136.200
83.5	122.907	127.047	126.612	126.394	126.394
84.0	111.575	115.933	116.151	116.587	117.023
84.5	100.461	105.037	106.127	107.217	107.652
85.0	89.565	94.359	96.321	97.846	98.500
85.5	79.323	84.117	86.732	88.693	89.783
86.0	69.299	74.093	77.362	79.759	80.848
86.5	59.710	64.722	68.209	71.042	72.567
87.0	50.340	55.352	59.274	62.543	64.286
87.5	41.187	46.417	50.775	54.262	56.005
88.0	32.252	37.700	42.276	45.981	48.160
88.5	23.535	28.983	33.778	38.136	40.533
89.0	14.601	20.049	25.061	28.983	31.380
89.5	5.884	10.896	14.165	15.908	17.434
90.0	1.308	5.012	7.627	9.806	10.678
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-L8-835-F-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-L8-835-F-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-L8-835-F-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1027.84	N.A.	15.80
0-30	2115.87	N.A.	32.60
0-40	3316.99	N.A.	51.10
0-60	5358.64	N.A.	82.60
0-80	6377.68	N.A.	98.30
0-90	6486.08	N.A.	100.00
10-90	6215.52	N.A.	95.80
20-40	2289.14	N.A.	35.30
20-50	3408.22	N.A.	52.50
40-70	2698.19	N.A.	41.60
60-80	1019.04	N.A.	15.70
70-80	362.50	N.A.	5.60
80-90	108.40	N.A.	1.70
90-110	0.19	N.A.	0.00
90-120	0.19	N.A.	0.00
90-130	0.19	N.A.	0.00
90-150	0.19	N.A.	0.00
90-180	0.19	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	6486.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	270.56
10-20	757.28
20-30	1088.03
30-40	1201.12
40-50	1119.08
50-60	922.57
60-70	656.54
70-80	362.50
80-90	108.40
90-100	0.19
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-L8-835-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	80	80	80	80	78	78	78	78	75	75	75	71	71	71	68	68	68	67
1	73	70	68	65	72	69	66	64	66	64	62	63	62	60	61	60	58	57
2	67	62	58	54	65	61	57	53	58	55	52	56	53	51	54	52	50	48
3	62	55	50	46	60	54	49	45	52	48	44	50	47	44	48	45	43	41
4	57	49	43	39	55	48	43	39	46	42	38	45	41	38	44	40	37	36
5	52	44	38	34	51	43	38	34	42	37	34	41	36	33	39	36	33	31
6	49	40	34	30	47	39	34	30	38	33	30	37	33	29	36	32	29	28
7	45	36	31	27	44	36	31	27	35	30	27	34	30	26	33	29	26	25
8	42	33	28	24	41	33	28	24	32	27	24	31	27	24	30	27	24	22
9	39	31	25	22	39	30	25	22	30	25	22	29	25	22	28	24	21	20
10	37	29	23	20	36	28	23	20	28	23	20	27	23	20	26	22	20	19

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-8-00-L8-835-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	22.9	24.5	23.3	24.8	25.1	21.8	23.3	22.1	23.6	23.9
	3H	24.6	26.0	24.9	26.3	26.6	23.4	24.8	23.8	25.1	25.5
	4H	25.1	26.5	25.5	26.8	27.2	24.0	25.3	24.4	25.6	26.0
	6H	25.6	26.8	26.0	27.1	27.5	24.5	25.7	24.9	26.0	26.4
	8H	25.7	26.8	26.1	27.2	27.6	24.6	25.8	25.0	26.2	26.6
	12H	25.8	26.9	26.2	27.3	27.7	24.8	25.9	25.2	26.2	26.7

UGR Viewed Endwise

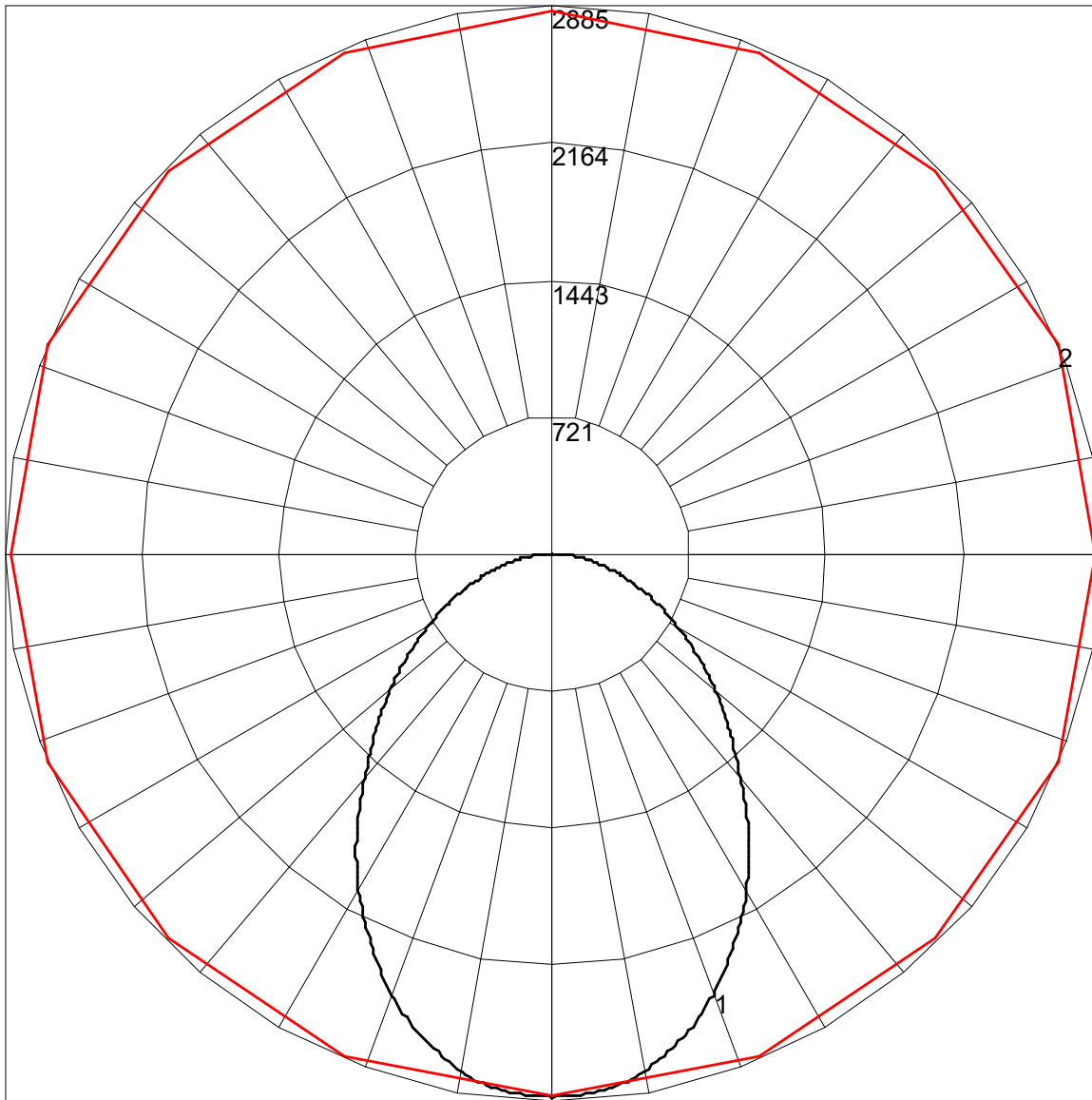
4H	2H	23.4	24.7	23.8	25.0	25.4	22.4	23.8	22.8	24.1	24.5
	3H	25.2	26.3	25.6	26.7	27.1	24.2	25.4	24.7	25.8	26.2
	4H	26.0	26.9	26.4	27.4	27.8	25.0	26.0	25.4	26.4	26.8
	6H	26.5	27.4	27.0	27.8	28.3	25.6	26.4	26.0	26.9	27.3
	8H	26.7	27.5	27.1	27.9	28.4	25.8	26.6	26.3	27.0	27.5
	12H	26.8	27.5	27.3	28.0	28.5	26.0	26.7	26.5	27.2	27.6

8H	4H	26.2	27.0	26.6	27.4	27.9	25.3	26.1	25.8	26.6	27.0
	6H	26.8	27.5	27.3	28.0	28.5	26.0	26.7	26.5	27.2	27.7
	8H	27.1	27.7	27.6	28.2	28.7	26.3	26.9	26.8	27.4	27.9
	12H	27.3	27.8	27.8	28.3	28.9	26.6	27.1	27.1	27.6	28.2

12H	4H	26.2	26.9	26.7	27.4	27.9	25.3	26.1	25.8	26.5	27.0
	6H	26.9	27.5	27.4	28.0	28.5	26.1	26.7	26.6	27.2	27.7
	8H	27.2	27.7	27.7	28.2	28.8	26.4	27.0	27.0	27.5	28.0

Maximum UGR = 28.9

POLAR GRAPH



Maximum Candela = 2885.261 Located At Horizontal Angle = 22.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)