

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2D-8-00-L8-840-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] 02-26-2021

[MANUFAC] H E Williams Inc

[LUMCAT] MX2D-8'00-L8/840-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	6636
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	51.6
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	18347	16791	15390
55	16185	14715	13325
65	14230	12799	11588
75	11732	10747	9978
85	8463	9101	9307

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-8-00-L8-840-F-DIM-UNV_.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	2934.026	2934.026	2934.026	2934.026	2934.026
0.5	2929.567	2951.862	2927.337	2927.337	2922.878
1.0	2927.337	2951.862	2927.337	2927.337	2922.878
1.5	2927.337	2949.632	2927.337	2927.337	2922.878
2.0	2927.337	2949.632	2925.108	2927.337	2922.878
2.5	2925.108	2947.403	2925.108	2927.337	2922.878
3.0	2922.878	2947.403	2922.878	2927.337	2920.649
3.5	2920.649	2945.173	2920.649	2925.108	2918.419
4.0	2918.419	2942.944	2918.419	2922.878	2916.190
4.5	2916.190	2940.714	2913.960	2920.649	2913.960
5.0	2911.731	2936.255	2911.731	2918.419	2909.501
5.5	2909.501	2934.026	2907.272	2913.960	2907.272
6.0	2905.042	2929.567	2905.042	2909.501	2902.813
6.5	2900.583	2925.108	2900.583	2902.813	2896.124
7.0	2896.124	2920.649	2896.124	2896.124	2889.436
7.5	2891.665	2916.190	2891.665	2889.436	2882.747
8.0	2887.206	2911.731	2884.977	2880.518	2876.059
8.5	2880.518	2905.042	2880.518	2873.829	2867.141
9.0	2873.829	2900.583	2873.829	2864.911	2858.223
9.5	2869.370	2893.895	2867.141	2855.993	2847.075
10.0	2862.682	2887.206	2858.223	2844.846	2835.928
10.5	2855.993	2880.518	2851.534	2835.928	2824.780
11.0	2849.305	2873.829	2840.387	2824.780	2811.403
11.5	2840.387	2864.911	2831.469	2813.633	2800.256
12.0	2833.698	2858.223	2822.551	2802.485	2786.879
12.5	2824.780	2849.305	2811.403	2789.108	2773.502
13.0	2815.862	2840.387	2800.256	2777.961	2760.125
13.5	2806.944	2831.469	2789.108	2764.584	2748.977
14.0	2798.026	2822.551	2777.961	2751.207	2733.371
14.5	2786.879	2811.403	2764.584	2737.830	2717.764
15.0	2775.731	2800.256	2751.207	2722.223	2704.387
15.5	2766.813	2791.338	2737.830	2706.617	2688.781
16.0	2755.666	2777.961	2724.453	2693.240	2673.174
16.5	2744.518	2766.813	2711.076	2677.633	2657.567
17.0	2733.371	2753.436	2695.469	2659.797	2639.731
17.5	2722.223	2742.289	2679.863	2644.190	2624.125
18.0	2708.846	2728.912	2664.256	2626.354	2606.289
18.5	2697.699	2715.535	2648.649	2610.748	2588.453
19.0	2684.322	2702.158	2633.043	2592.912	2570.617
19.5	2670.944	2686.551	2617.436	2575.076	2552.781
20.0	2657.567	2673.174	2599.600	2557.240	2534.945
20.5	2644.190	2657.567	2581.764	2537.174	2514.879
21.0	2628.584	2641.961	2566.158	2517.109	2494.814
21.5	2615.207	2626.354	2548.322	2497.043	2474.748
22.0	2599.600	2610.748	2530.486	2476.978	2452.453
22.5	2586.223	2595.141	2512.650	2456.912	2430.158
23.0	2570.617	2579.535	2492.584	2434.617	2410.093
23.5	2555.010	2561.699	2474.748	2414.552	2385.568
24.0	2537.174	2546.092	2456.912	2392.257	2363.273
24.5	2521.568	2528.256	2436.847	2369.962	2340.978
25.0	2503.732	2510.420	2416.781	2349.896	2318.683
25.5	2488.125	2490.355	2398.945	2327.601	2296.388
26.0	2468.060	2472.519	2376.650	2303.077	2274.093
26.5	2450.224	2452.453	2356.585	2280.781	2251.798

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-8-00-L8-840-F-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	2430.158	2434.617	2336.519	2260.716	2229.280
27.5	2412.322	2414.552	2314.224	2238.421	2206.316
28.0	2392.257	2394.486	2294.159	2214.119	2184.244
28.5	2372.191	2374.421	2271.863	2192.047	2161.726
29.0	2352.126	2352.126	2249.568	2169.752	2139.654
29.5	2327.601	2332.060	2226.828	2146.788	2115.798
30.0	2307.536	2309.765	2204.087	2124.939	2092.388
30.5	2287.470	2287.470	2180.454	2101.084	2068.979
31.0	2265.175	2265.175	2156.598	2078.120	2045.792
31.5	2242.880	2242.880	2132.742	2053.818	2020.821
32.0	2221.254	2219.916	2108.887	2029.294	1996.743
32.5	2199.182	2195.392	2084.585	2004.323	1973.110
33.0	2177.110	2171.759	2060.284	1979.353	1947.694
33.5	2154.592	2147.457	2035.759	1953.936	1923.615
34.0	2131.851	2122.933	2010.343	1928.520	1897.307
34.5	2108.887	2098.185	1986.041	1902.658	1871.891
35.0	2086.592	2073.884	1960.848	1876.350	1845.805
35.5	2063.182	2049.582	1935.431	1850.933	1818.606
36.0	2039.326	2024.166	1910.684	1824.179	1791.183
36.5	2017.254	1999.418	1885.045	1797.425	1762.422
37.0	1992.953	1974.671	1858.737	1770.671	1733.884
37.5	1968.874	1949.923	1832.874	1743.694	1705.570
38.0	1945.464	1924.730	1806.566	1716.717	1677.255
38.5	1921.163	1900.205	1780.704	1688.848	1653.622
39.0	1896.415	1875.458	1755.288	1663.209	1630.435
39.5	1871.668	1850.933	1729.648	1641.583	1603.458
40.0	1846.474	1826.632	1703.786	1617.058	1577.150
40.5	1821.727	1802.107	1678.816	1590.750	1551.734
41.0	1797.425	1778.029	1659.196	1565.334	1527.209
41.5	1772.455	1753.727	1635.563	1540.809	1503.354
42.0	1747.930	1728.980	1613.491	1516.731	1480.390
42.5	1722.960	1704.678	1589.190	1493.767	1458.095
43.0	1698.881	1679.930	1565.780	1471.249	1436.469
43.5	1675.694	1660.757	1542.593	1449.177	1415.066
44.0	1655.406	1638.685	1519.852	1427.551	1394.108
44.5	1636.009	1615.275	1497.334	1406.147	1372.928
45.0	1611.708	1592.311	1475.039	1385.190	1351.971
45.5	1588.075	1568.232	1452.967	1364.233	1331.236
46.0	1564.442	1544.377	1431.118	1343.498	1310.279
46.5	1541.032	1520.744	1409.492	1322.541	1289.767
47.0	1517.400	1497.557	1387.866	1301.807	1269.033
47.5	1493.990	1474.370	1366.016	1280.626	1248.299
48.0	1471.026	1451.183	1344.167	1259.669	1227.787
48.5	1448.285	1428.220	1322.095	1238.935	1207.276
49.0	1425.544	1405.256	1300.023	1218.200	1186.987
49.5	1402.803	1382.738	1277.728	1197.689	1166.922
50.0	1380.062	1359.997	1255.879	1177.178	1146.856
50.5	1357.321	1337.256	1234.030	1156.889	1127.014
51.0	1334.580	1314.738	1212.404	1136.824	1107.171
51.5	1311.394	1292.220	1191.000	1116.535	1087.329
52.0	1288.653	1269.256	1169.820	1096.470	1067.486
52.5	1265.689	1246.961	1149.309	1076.404	1047.866
53.0	1243.171	1224.666	1128.797	1056.561	1028.024
53.5	1220.653	1202.594	1108.732	1036.719	1008.181
54.0	1198.135	1180.745	1088.443	1016.876	988.562
54.5	1175.617	1159.119	1068.378	997.034	968.942

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-8-00-L8-840-F-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	1153.322	1137.492	1048.535	977.414	949.545
55.5	1131.473	1116.089	1028.693	958.017	930.372
56.0	1109.847	1094.463	1008.850	939.067	911.421
56.5	1088.443	1073.060	989.007	920.116	893.139
57.0	1067.486	1051.879	968.942	901.388	875.080
57.5	1046.529	1031.145	949.099	882.883	857.244
58.0	1026.017	1010.634	929.257	864.378	839.631
58.5	1005.506	990.122	909.637	846.096	822.018
59.0	984.994	969.834	890.463	828.037	804.628
59.5	964.706	949.545	871.067	810.424	787.460
60.0	944.863	929.257	851.893	793.034	770.516
60.5	924.798	909.191	833.165	775.644	753.349
61.0	904.955	889.349	814.660	758.477	736.628
61.5	884.890	869.952	796.155	741.310	720.129
62.0	865.047	850.555	777.874	724.588	704.077
62.5	845.205	831.382	759.815	708.090	687.802
63.0	825.585	811.985	741.979	691.592	671.749
63.5	805.965	792.588	724.365	675.093	655.920
64.0	786.346	773.192	706.752	659.041	640.090
64.5	766.726	753.795	689.362	642.766	624.261
65.0	747.106	734.621	671.972	626.713	608.431
65.5	727.710	715.670	654.805	610.438	592.825
66.0	708.313	696.720	637.638	594.385	578.110
66.5	688.916	677.992	620.471	578.333	562.504
67.0	669.966	658.818	603.303	562.281	547.120
67.5	650.792	639.867	586.136	546.451	531.513
68.0	631.618	620.917	569.192	530.622	516.353
68.5	612.667	602.189	552.025	515.015	501.192
69.0	593.717	583.684	535.081	499.632	486.255
69.5	574.543	565.179	518.136	484.248	471.317
70.0	556.038	546.674	501.638	469.087	456.825
70.5	537.533	528.392	485.140	454.150	442.333
71.0	519.028	509.887	468.864	439.212	428.065
71.5	500.969	492.051	452.589	424.720	414.019
72.0	482.910	474.215	436.537	410.229	400.196
72.5	465.074	456.825	420.930	395.960	386.596
73.0	447.238	439.435	405.547	381.914	372.996
73.5	429.402	422.268	390.163	367.868	359.619
74.0	411.789	405.101	375.002	354.045	346.465
74.5	394.399	388.156	360.288	340.668	333.534
75.0	377.232	371.658	345.573	327.291	320.825
75.5	360.288	355.160	331.081	314.137	308.340
76.0	343.343	339.330	316.589	300.983	295.855
76.5	326.845	323.278	302.544	288.052	283.593
77.0	310.347	307.671	288.498	275.567	271.553
77.5	294.294	292.065	275.121	263.081	259.514
78.0	278.465	276.904	261.744	251.042	247.698
78.5	262.858	261.967	248.590	239.003	236.104
79.0	247.698	247.252	235.881	227.409	224.734
79.5	232.537	233.206	223.173	215.816	213.586
80.0	218.045	219.383	210.465	204.222	202.439
80.5	203.777	205.783	198.426	193.075	191.514
81.0	189.954	192.406	186.609	181.927	180.813
81.5	176.354	179.475	174.570	171.003	170.111
82.0	163.200	166.544	163.200	160.301	159.855
82.5	150.268	154.059	151.606	149.823	149.377

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-8-00-L8-840-F-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	138.006	141.796	140.459	139.567	139.344
83.5	125.744	129.980	129.534	129.311	129.311
84.0	114.151	118.610	118.833	119.278	119.724
84.5	102.780	107.462	108.577	109.692	110.137
85.0	91.633	96.537	98.544	100.105	100.774
85.5	81.154	86.059	88.734	90.741	91.856
86.0	70.898	75.803	79.147	81.600	82.715
86.5	61.088	66.216	69.783	72.682	74.242
87.0	51.502	56.629	60.642	63.987	65.770
87.5	42.138	47.488	51.947	55.515	57.298
88.0	32.997	38.570	43.252	47.043	49.272
88.5	24.079	29.652	34.557	39.016	41.469
89.0	14.938	20.511	25.639	29.652	32.105
89.5	6.020	11.148	14.492	16.275	17.836
90.0	1.338	5.128	7.803	10.033	10.925
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-8-00-L8-840-F-DIM-UNV_.IES

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-L8-840-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-L8-840-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-L8-840-F-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1051.57	N.A.	15.80
0-30	2164.71	N.A.	32.60
0-40	3393.56	N.A.	51.10
0-60	5482.33	N.A.	82.60
0-80	6524.9	N.A.	98.30
0-90	6635.8	N.A.	100.00
10-90	6358.99	N.A.	95.80
20-40	2341.98	N.A.	35.30
20-50	3486.89	N.A.	52.50
40-70	2760.47	N.A.	41.60
60-80	1042.56	N.A.	15.70
70-80	370.87	N.A.	5.60
80-90	110.90	N.A.	1.70
90-110	0.20	N.A.	0.00
90-120	0.20	N.A.	0.00
90-130	0.20	N.A.	0.00
90-150	0.20	N.A.	0.00
90-180	0.20	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	6636.00	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	276.81
10-20	774.76
20-30	1113.14
30-40	1228.84
40-50	1144.91
50-60	943.87
60-70	671.69
70-80	370.87
80-90	110.90
90-100	0.20
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-L8-840-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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	81	98	91	85	80	87	82	78	84	80	76	81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	49	59	53	49	47
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	43	39	37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	35	45	40	35	33
9	59	46	38	33	57	45	38	33	44	37	32	43	37	32	42	36	32	30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	39	33	29	28

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-8-00-L8-840-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	21.6	23.2	22.0	23.5	23.8	20.5	22.0	20.8	22.3	22.6
	3H	23.3	24.7	23.6	25.0	25.3	22.1	23.5	22.5	23.8	24.2
	4H	23.8	25.2	24.2	25.5	25.9	22.7	24.0	23.1	24.3	24.7
	6H	24.3	25.5	24.7	25.8	26.2	23.2	24.4	23.6	24.7	25.1
	8H	24.4	25.5	24.8	25.9	26.3	23.3	24.5	23.7	24.9	25.3
	12H	24.5	25.6	24.9	26.0	26.4	23.5	24.6	23.9	24.9	25.4

UGR Viewed Endwise

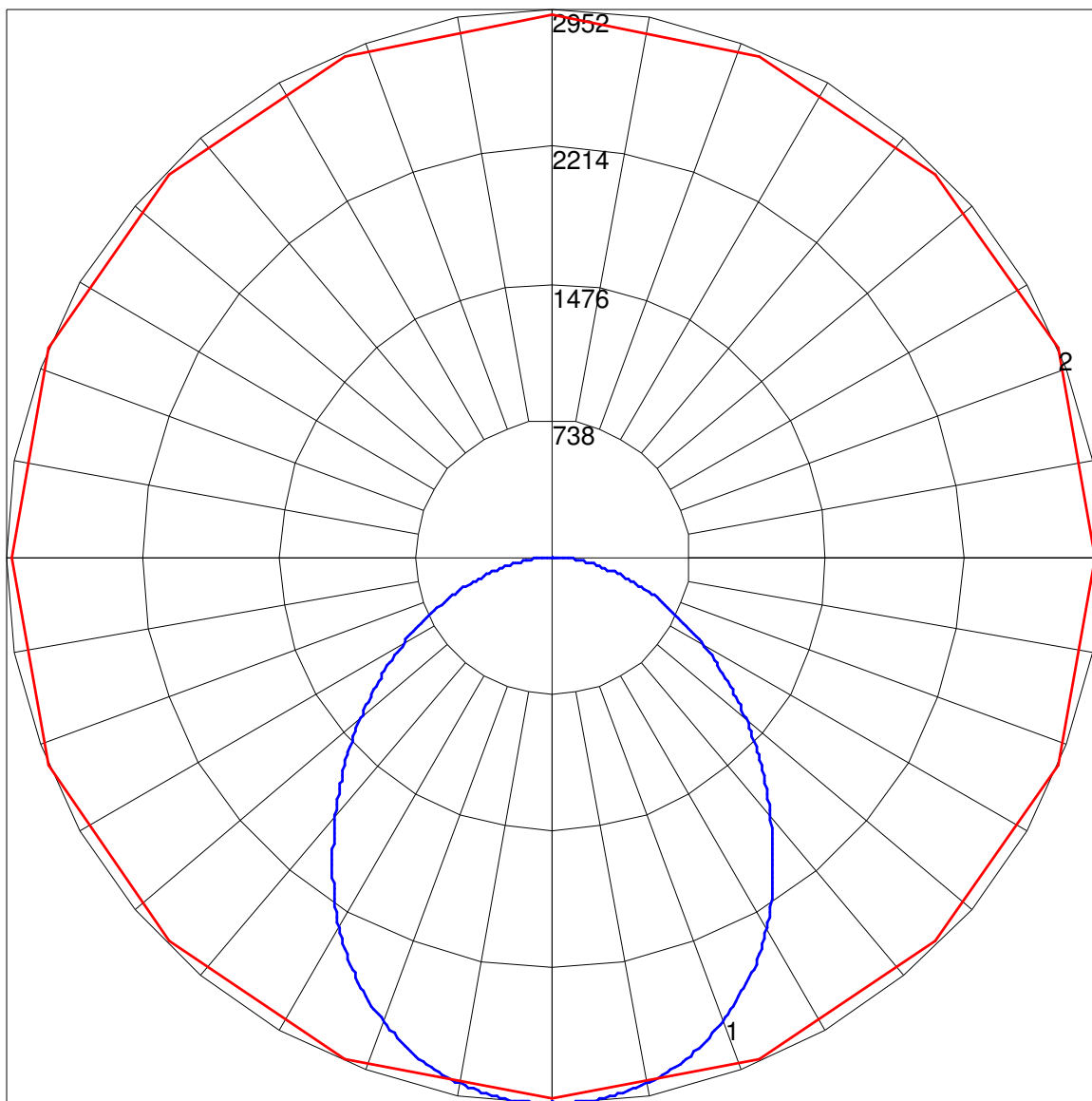
4H	2H	22.1	23.4	22.5	23.7	24.1	21.1	22.5	21.5	22.8	23.2
	3H	23.9	25.0	24.3	25.4	25.8	22.9	24.1	23.4	24.5	24.9
	4H	24.7	25.6	25.1	26.1	26.5	23.7	24.7	24.1	25.1	25.5
	6H	25.2	26.1	25.7	26.5	27.0	24.3	25.1	24.7	25.6	26.0
	8H	25.4	26.2	25.8	26.6	27.1	24.5	25.3	25.0	25.7	26.2
	12H	25.5	26.2	26.0	26.7	27.2	24.7	25.4	25.2	25.9	26.3

8H	4H	24.9	25.7	25.3	26.1	26.6	24.0	24.8	24.5	25.3	25.7
	6H	25.5	26.2	26.0	26.7	27.2	24.7	25.4	25.2	25.9	26.4
	8H	25.8	26.4	26.3	26.9	27.4	25.0	25.6	25.5	26.1	26.6
	12H	26.0	26.5	26.5	27.0	27.6	25.3	25.8	25.8	26.3	26.9

12H	4H	24.9	25.6	25.4	26.1	26.6	24.0	24.8	24.5	25.2	25.7
	6H	25.6	26.2	26.1	26.7	27.2	24.8	25.4	25.3	25.9	26.4
	8H	25.9	26.4	26.4	26.9	27.5	25.1	25.7	25.7	26.2	26.7

Maximum UGR = 27.6

POLAR GRAPH



Maximum Candela = 2951.862 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.)