



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2D-8-00-L12-835-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
 [MANUFAC] H E Williams Inc
 [LUMCAT] MX2D-8'00-L12/835-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	9672
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	79.1
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	26742	24474	22432
55	23591	21448	19423
65	20741	18655	16891
75	17100	15665	14543
85	12335	13265	13566

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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	4276.558	4276.558	4276.558	4276.558	4276.558
0.5	4270.059	4302.555	4266.809	4266.809	4260.310
1.0	4266.809	4302.555	4266.809	4266.809	4260.310
1.5	4266.809	4299.306	4266.809	4266.809	4260.310
2.0	4266.809	4299.306	4263.559	4266.809	4260.310
2.5	4263.559	4296.056	4263.559	4266.809	4260.310
3.0	4260.310	4296.056	4260.310	4266.809	4257.060
3.5	4257.060	4292.806	4257.060	4263.559	4253.810
4.0	4253.810	4289.557	4253.810	4260.310	4250.561
4.5	4250.561	4286.307	4247.311	4257.060	4247.311
5.0	4244.061	4279.808	4244.061	4253.810	4240.812
5.5	4240.812	4276.558	4237.562	4247.311	4237.562
6.0	4234.312	4270.059	4234.312	4240.812	4231.063
6.5	4227.813	4263.559	4227.813	4231.063	4221.314
7.0	4221.314	4257.060	4221.314	4221.314	4211.565
7.5	4214.814	4250.561	4214.814	4211.565	4201.816
8.0	4208.315	4244.061	4205.065	4198.566	4192.067
8.5	4198.566	4234.312	4198.566	4188.817	4179.068
9.0	4188.817	4227.813	4188.817	4175.818	4166.069
9.5	4182.318	4218.064	4179.068	4162.820	4149.821
10.0	4172.569	4208.315	4166.069	4146.571	4133.573
10.5	4162.820	4198.566	4156.320	4133.573	4117.324
11.0	4153.071	4188.817	4140.072	4117.324	4097.826
11.5	4140.072	4175.818	4127.073	4101.076	4081.578
12.0	4130.323	4166.069	4114.075	4084.828	4062.080
12.5	4117.324	4153.071	4097.826	4065.330	4042.582
13.0	4104.326	4140.072	4081.578	4049.081	4023.084
13.5	4091.327	4127.073	4065.330	4029.583	4006.836
14.0	4078.328	4114.075	4049.081	4010.085	3984.088
14.5	4062.080	4097.826	4029.583	3990.587	3961.340
15.0	4045.832	4081.578	4010.085	3967.840	3941.843
15.5	4032.833	4068.579	3990.587	3945.092	3919.095
16.0	4016.585	4049.081	3971.089	3925.594	3896.347
16.5	4000.336	4032.833	3951.592	3902.847	3873.600
17.0	3984.088	4013.335	3928.844	3876.849	3847.602
17.5	3967.840	3997.087	3906.096	3854.102	3824.855
18.0	3948.342	3977.589	3883.349	3828.104	3798.857
18.5	3932.094	3958.091	3860.601	3805.357	3772.860
19.0	3912.596	3938.593	3837.853	3779.359	3746.863
19.5	3893.098	3915.845	3815.106	3753.362	3720.865
20.0	3873.600	3896.347	3789.108	3727.365	3694.868
20.5	3854.102	3873.600	3763.111	3698.118	3665.621
21.0	3831.354	3850.852	3740.363	3668.871	3636.374
21.5	3811.856	3828.104	3714.366	3639.624	3607.127
22.0	3789.108	3805.357	3688.369	3610.377	3574.630
22.5	3769.610	3782.609	3662.371	3581.130	3542.134
23.0	3746.863	3759.861	3633.124	3548.633	3512.887
23.5	3724.115	3733.864	3607.127	3519.386	3477.141
24.0	3698.118	3711.116	3581.130	3486.890	3444.644
24.5	3675.370	3685.119	3551.883	3454.393	3412.147
25.0	3649.373	3659.122	3522.636	3425.146	3379.651
25.5	3626.625	3629.875	3496.639	3392.649	3347.154
26.0	3597.378	3603.877	3464.142	3356.903	3314.657
26.5	3571.381	3574.630	3434.895	3324.406	3282.161

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CANDELA TABULATION - (Cont.)

27.0	3542.134	3548.633	3405.648	3295.159	3249.339
27.5	3516.137	3519.386	3373.151	3262.663	3215.868
28.0	3486.890	3490.139	3343.904	3227.241	3183.696
28.5	3457.643	3460.892	3311.408	3195.070	3150.874
29.0	3428.396	3428.396	3278.911	3162.573	3118.703
29.5	3392.649	3399.149	3245.764	3129.102	3083.931
30.0	3363.402	3366.652	3212.618	3097.255	3049.810
30.5	3334.155	3334.155	3178.171	3062.483	3015.688
31.0	3301.659	3301.659	3143.400	3029.012	2981.892
31.5	3269.162	3269.162	3108.629	2993.591	2945.496
32.0	3237.640	3235.691	3073.857	2957.844	2910.399
32.5	3205.469	3199.944	3038.436	2921.448	2875.953
33.0	3173.297	3165.498	3003.015	2885.052	2838.907
33.5	3140.475	3130.076	2967.268	2848.006	2803.810
34.0	3107.329	3094.330	2930.222	2810.959	2765.464
34.5	3073.857	3058.259	2894.801	2773.263	2728.418
35.0	3041.361	3022.838	2858.080	2734.917	2690.397
35.5	3007.239	2987.416	2821.033	2697.871	2650.751
36.0	2972.468	2950.370	2784.962	2658.875	2610.780
36.5	2940.296	2914.299	2747.591	2619.879	2568.859
37.0	2904.875	2878.227	2709.245	2580.883	2527.264
37.5	2869.778	2842.156	2671.549	2541.562	2485.993
38.0	2835.657	2805.435	2633.203	2502.241	2444.722
38.5	2800.236	2769.689	2595.507	2461.621	2410.276
39.0	2764.164	2733.617	2558.461	2424.249	2376.479
39.5	2728.093	2697.871	2521.089	2392.728	2337.158
40.0	2691.372	2662.450	2483.393	2356.981	2298.812
40.5	2655.301	2626.703	2446.997	2318.635	2261.766
41.0	2619.879	2591.607	2418.400	2281.589	2226.020
41.5	2583.483	2556.186	2383.954	2245.843	2191.248
42.0	2547.737	2520.114	2351.782	2210.746	2157.777
42.5	2511.340	2484.693	2316.361	2177.275	2125.280
43.0	2476.244	2448.622	2282.239	2144.453	2093.759
43.5	2442.448	2420.675	2248.443	2112.282	2062.562
44.0	2412.876	2388.503	2215.296	2080.760	2032.015
44.5	2384.603	2354.382	2182.474	2049.563	2001.143
45.0	2349.182	2320.910	2149.978	2019.016	1970.596
45.5	2314.736	2285.814	2117.806	1988.469	1940.374
46.0	2280.289	2251.042	2085.959	1958.248	1909.828
46.5	2246.168	2216.596	2054.438	1927.701	1879.931
47.0	2211.721	2182.799	2022.916	1897.479	1849.709
47.5	2177.600	2149.003	1991.069	1866.607	1819.487
48.0	2144.128	2115.206	1959.222	1836.060	1789.590
48.5	2110.982	2081.735	1927.051	1805.838	1759.693
49.0	2077.835	2048.263	1894.879	1775.616	1730.121
49.5	2044.689	2015.442	1862.382	1745.720	1700.874
50.0	2011.542	1982.295	1830.536	1715.823	1671.627
50.5	1978.395	1949.149	1798.689	1686.251	1642.705
51.0	1945.249	1916.327	1767.167	1657.004	1613.783
51.5	1911.452	1883.505	1735.971	1627.432	1584.861
52.0	1878.306	1850.034	1705.099	1598.185	1555.939
52.5	1844.834	1817.537	1675.202	1568.938	1527.342
53.0	1812.013	1785.040	1645.305	1540.016	1498.420
53.5	1779.191	1752.869	1616.058	1511.094	1469.498
54.0	1746.369	1721.022	1586.486	1482.172	1440.901
54.5	1713.548	1689.500	1557.239	1453.250	1412.304

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55.0	1681.051	1657.979	1528.317	1424.653	1384.032
55.5	1649.205	1626.782	1499.395	1396.381	1356.085
56.0	1617.683	1595.260	1470.473	1368.759	1328.463
56.5	1586.486	1564.063	1441.551	1341.136	1301.815
57.0	1555.939	1533.192	1412.304	1313.839	1275.493
57.5	1525.392	1502.970	1383.382	1286.867	1249.496
58.0	1495.495	1473.073	1354.460	1259.895	1223.823
58.5	1465.598	1443.176	1325.863	1233.248	1198.151
59.0	1435.702	1413.604	1297.916	1206.925	1172.804
59.5	1406.130	1384.032	1269.644	1181.253	1147.781
60.0	1377.208	1354.460	1241.697	1155.906	1123.084
60.5	1347.961	1325.213	1214.399	1130.558	1098.061
61.0	1319.039	1296.291	1187.427	1105.536	1073.689
61.5	1289.792	1268.019	1160.455	1080.513	1049.641
62.0	1260.870	1239.747	1133.808	1056.141	1026.244
62.5	1231.948	1211.800	1107.486	1032.093	1002.521
63.0	1203.351	1183.528	1081.488	1008.046	979.124
63.5	1174.754	1155.256	1055.816	983.998	956.051
64.0	1146.157	1126.983	1030.144	960.601	932.979
64.5	1117.559	1098.711	1004.796	936.878	909.906
65.0	1088.962	1070.764	979.449	913.481	886.833
65.5	1060.690	1043.142	954.426	889.758	864.086
66.0	1032.418	1015.520	929.404	866.360	842.638
66.5	1004.146	988.223	904.382	842.963	819.890
67.0	976.524	960.276	879.359	819.565	797.468
67.5	948.577	932.654	854.337	796.493	774.720
68.0	920.630	905.031	829.639	773.420	752.622
68.5	893.008	877.734	804.617	750.672	730.524
69.0	865.386	850.762	779.919	728.250	708.752
69.5	837.438	823.790	755.222	705.827	686.979
70.0	810.466	796.818	731.174	683.729	665.856
70.5	783.494	770.170	707.127	661.957	644.733
71.0	756.522	743.198	683.404	640.184	623.936
71.5	730.200	717.201	659.682	619.061	603.463
72.0	703.877	691.204	636.284	597.938	583.315
72.5	677.880	665.856	613.537	577.140	563.492
73.0	651.883	640.509	591.114	556.667	543.669
73.5	625.885	615.486	568.691	536.195	524.171
74.0	600.213	590.464	546.593	516.047	504.998
74.5	574.866	565.767	525.146	496.549	486.150
75.0	549.843	541.719	503.698	477.051	467.627
75.5	525.146	517.671	482.575	457.878	449.429
76.0	500.448	494.599	461.452	438.705	431.230
76.5	476.401	471.201	440.979	419.857	413.357
77.0	452.353	448.454	420.507	401.658	395.809
77.5	428.956	425.706	401.009	383.460	378.261
78.0	405.883	403.608	381.511	365.912	361.038
78.5	383.135	381.836	362.338	348.364	344.139
79.0	361.038	360.388	343.814	331.466	327.566
79.5	338.940	339.915	325.291	314.567	311.318
80.0	317.817	319.767	306.768	297.669	295.069
80.5	297.019	299.944	289.220	281.421	279.146
81.0	276.871	280.446	271.997	265.173	263.548
81.5	257.048	261.598	254.449	249.249	247.949
82.0	237.875	242.750	237.875	233.651	233.001
82.5	219.027	224.552	220.977	218.377	217.727

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CANDELA TABULATION - (Cont.)

83.0	201.154	206.679	204.729	203.429	203.104
83.5	183.281	189.455	188.805	188.481	188.481
84.0	166.383	172.882	173.207	173.857	174.507
84.5	149.810	156.634	158.259	159.883	160.533
85.0	133.561	140.710	143.635	145.910	146.885
85.5	118.288	125.437	129.337	132.261	133.886
86.0	103.339	110.489	115.363	118.938	120.563
86.5	89.041	96.515	101.714	105.939	108.214
87.0	75.067	82.541	88.391	93.265	95.865
87.5	61.419	69.218	75.717	80.917	83.516
88.0	48.095	56.219	63.043	68.568	71.818
88.5	35.096	43.221	50.370	56.869	60.444
89.0	21.773	29.897	37.371	43.221	46.795
89.5	8.774	16.248	21.123	23.723	25.997
90.0	1.950	7.474	11.374	14.623	15.923
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-L12-835-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
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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-L12-835-F-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1532.74	N.A.	15.80
0-30	3155.23	N.A.	32.60
0-40	4946.36	N.A.	51.10
0-60	7990.9	N.A.	82.60
0-80	9510.51	N.A.	98.30
0-90	9672.16	N.A.	100.00
10-90	9268.7	N.A.	95.80
20-40	3413.61	N.A.	35.30
20-50	5082.4	N.A.	52.50
40-70	4023.58	N.A.	41.60
60-80	1519.61	N.A.	15.70
70-80	540.57	N.A.	5.60
80-90	161.65	N.A.	1.70
90-110	0.29	N.A.	0.00
90-120	0.29	N.A.	0.00
90-130	0.29	N.A.	0.00
90-150	0.29	N.A.	0.00
90-180	0.29	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	9672.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	403.47
10-20	1129.27
20-30	1622.48
30-40	1791.13
40-50	1668.79
50-60	1375.76
60-70	979.04
70-80	540.57
80-90	161.65
90-100	0.29
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-L12-835-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	376	376	376	376	367	367	367	367	351	351	351	336	336	336	322	322	322	315
1	345	331	318	307	337	324	312	302	311	301	292	298	291	283	287	281	275	269
2	316	291	271	254	308	286	267	251	274	259	245	264	251	240	255	244	234	228
3	290	258	234	214	282	253	231	212	244	225	209	235	219	205	228	214	202	195
4	267	231	204	184	260	226	202	183	219	197	180	211	193	178	205	189	176	169
5	246	207	180	160	240	204	179	160	197	175	158	191	172	156	186	168	154	148
6	228	188	161	141	222	185	159	141	179	157	140	174	154	138	169	151	137	131
7	212	171	145	126	207	169	144	126	164	141	125	160	139	124	155	137	123	117
8	198	157	131	113	193	155	130	113	151	128	112	147	127	112	143	125	111	105
9	186	145	120	103	181	143	119	103	139	117	102	136	116	102	133	115	101	95
10	175	134	110	94	171	132	109	94	129	108	93	126	107	93	124	106	92	87

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-8-00-L12-835-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	21.3	22.9	21.7	23.2	23.5	20.2	21.8	20.6	22.1	22.4
	3H	23.0	24.4	23.4	24.7	25.1	21.8	23.2	22.2	23.6	23.9
	4H	23.6	24.9	24.0	25.3	25.6	22.4	23.7	22.8	24.1	24.5
	6H	24.0	25.2	24.4	25.6	26.0	22.9	24.1	23.3	24.5	24.9
	8H	24.1	25.3	24.5	25.7	26.1	23.1	24.2	23.5	24.6	25.0
	12H	24.2	25.3	24.6	25.7	26.1	23.2	24.3	23.6	24.7	25.1

UGR Viewed Endwise

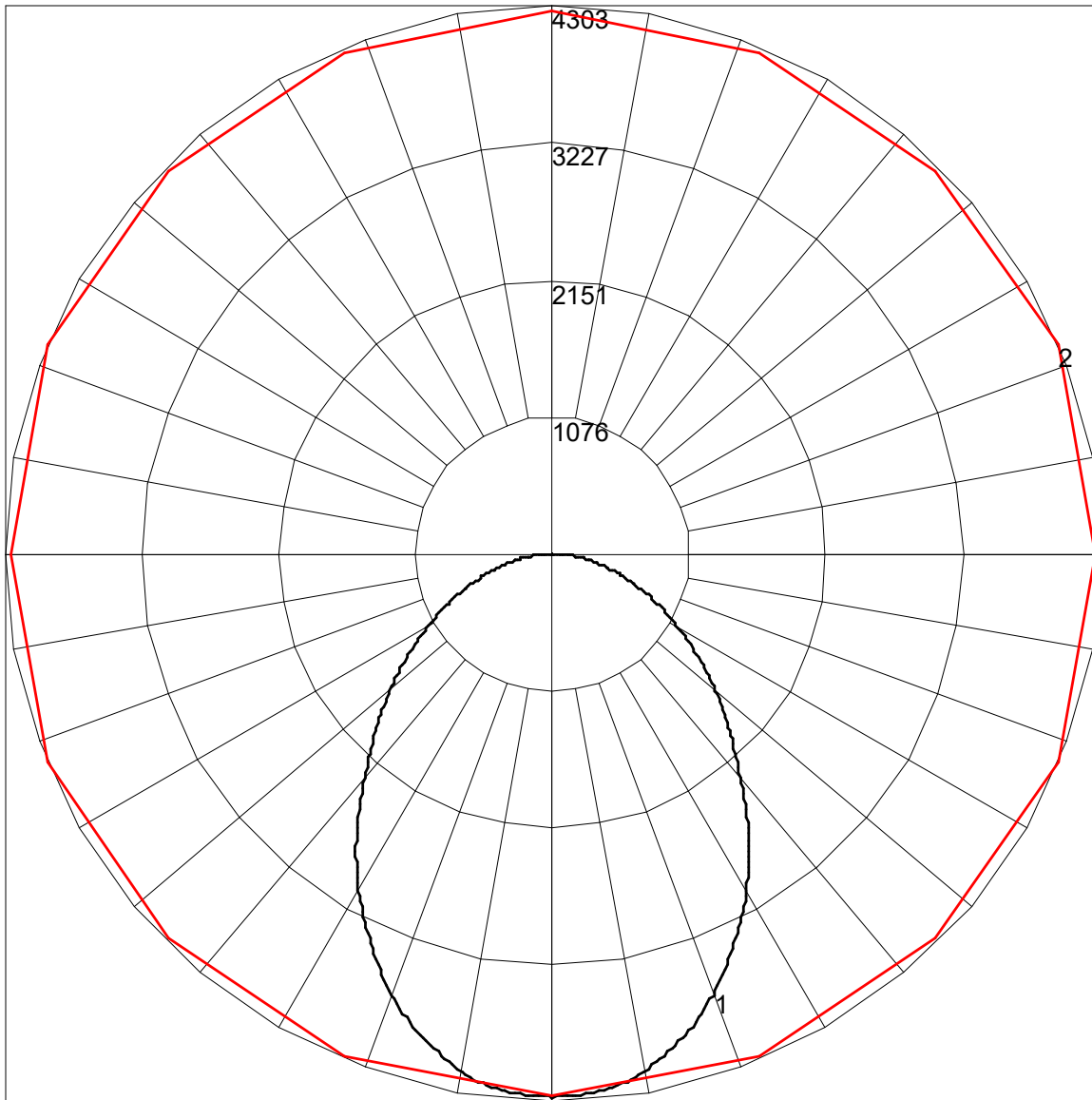
4H	2H	21.8	23.1	22.2	23.5	23.8	20.9	22.2	21.3	22.5	22.9
	3H	23.7	24.8	24.1	25.2	25.6	22.7	23.8	23.1	24.2	24.6
	4H	24.4	25.4	24.8	25.8	26.2	23.4	24.4	23.8	24.8	25.3
	6H	24.9	25.8	25.4	26.3	26.7	24.0	24.9	24.5	25.3	25.8
	8H	25.1	25.9	25.6	26.4	26.8	24.2	25.0	24.7	25.5	26.0
	12H	25.2	26.0	25.7	26.4	26.9	24.4	25.1	24.9	25.6	26.1

8H	4H	24.6	25.4	25.1	25.9	26.3	23.7	24.6	24.2	25.0	25.5
	6H	25.3	26.0	25.8	26.4	26.9	24.5	25.1	25.0	25.6	26.1
	8H	25.5	26.1	26.0	26.6	27.1	24.8	25.4	25.3	25.9	26.4
	12H	25.7	26.3	26.2	26.7	27.3	25.0	25.6	25.5	26.1	26.6

12H	4H	24.6	25.4	25.1	25.8	26.3	23.8	24.5	24.3	25.0	25.5
	6H	25.3	25.9	25.8	26.4	26.9	24.5	25.2	25.0	25.6	26.1
	8H	25.6	26.2	26.1	26.6	27.2	24.9	25.4	25.4	25.9	26.5

Maximum UGR = 27.3

POLAR GRAPH



Maximum Candela = 4302.555 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.)