

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2D-8'-00-L12-840-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] 07-20-2023  
[MANUFAC] H E Williams Inc  
[LUMCAT] MX2D-8'-00-L12-840-F-DIM-UNV  
[LUMINAIRE] Formed White aluminum housing,frosted plastic lens  
[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	9931
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	77.56
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	27458	25129	23033
55	24223	22022	19943
65	21296	19154	17343
75	17558	16085	14933
85	12665	13621	13929

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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	4391.089	4391.089	4391.089	4391.089	4391.089
0.5	4384.416	4417.783	4381.079	4381.079	4374.406
1.0	4381.079	4417.783	4381.079	4381.079	4374.406
1.5	4381.079	4414.446	4381.079	4381.079	4374.406
2.0	4381.079	4414.446	4377.743	4381.079	4374.406
2.5	4377.743	4411.109	4377.743	4381.079	4374.406
3.0	4374.406	4411.109	4374.406	4381.079	4371.069
3.5	4371.069	4407.773	4371.069	4377.743	4367.732
4.0	4367.732	4404.436	4367.732	4374.406	4364.396
4.5	4364.396	4401.099	4361.059	4371.069	4361.059
5.0	4357.722	4394.426	4357.722	4367.732	4354.386
5.5	4354.386	4391.089	4351.049	4361.059	4351.049
6.0	4347.712	4384.416	4347.712	4354.386	4344.376
6.5	4341.039	4377.743	4341.039	4344.376	4334.366
7.0	4334.366	4371.069	4334.366	4334.366	4324.355
7.5	4327.692	4364.396	4327.692	4324.355	4314.345
8.0	4321.019	4357.722	4317.682	4311.009	4304.335
8.5	4311.009	4347.712	4311.009	4300.999	4290.988
9.0	4300.999	4341.039	4300.999	4287.652	4277.642
9.5	4294.325	4331.029	4290.988	4274.305	4260.958
10.0	4284.315	4321.019	4277.642	4257.622	4244.275
10.5	4274.305	4311.009	4267.632	4244.275	4227.591
11.0	4264.295	4300.999	4250.948	4227.591	4207.571
11.5	4250.948	4287.652	4237.601	4210.908	4190.888
12.0	4240.938	4277.642	4224.255	4194.224	4170.868
12.5	4227.591	4264.295	4207.571	4174.204	4150.847
13.0	4214.245	4250.948	4190.888	4157.521	4130.827
13.5	4200.898	4237.601	4174.204	4137.501	4114.144
14.0	4187.551	4224.255	4157.521	4117.480	4090.787
14.5	4170.868	4207.571	4137.501	4097.460	4067.430
15.0	4154.184	4190.888	4117.480	4074.103	4047.410
15.5	4140.837	4177.541	4097.460	4050.747	4024.053
16.0	4124.154	4157.521	4077.440	4030.726	4000.696
16.5	4107.470	4140.837	4057.420	4007.369	3977.339
17.0	4090.787	4120.817	4034.063	3980.676	3950.646
17.5	4074.103	4104.134	4010.706	3957.319	3927.289
18.0	4054.083	4084.113	3987.349	3930.626	3900.595
18.5	4037.400	4064.093	3963.992	3907.269	3873.902
19.0	4017.380	4044.073	3940.636	3880.575	3847.208
19.5	3997.359	4020.716	3917.279	3853.882	3820.515
20.0	3977.339	4000.696	3890.585	3827.188	3793.821
20.5	3957.319	3977.339	3863.892	3797.158	3763.791
21.0	3933.962	3953.982	3840.535	3767.128	3733.761
21.5	3913.942	3930.626	3813.841	3737.097	3703.730
22.0	3890.585	3907.269	3787.148	3707.067	3670.363
22.5	3870.565	3883.912	3760.454	3677.037	3636.996
23.0	3847.208	3860.555	3730.424	3643.670	3606.966
23.5	3823.851	3833.861	3703.730	3613.640	3570.263
24.0	3797.158	3810.505	3677.037	3580.273	3536.896
24.5	3773.801	3783.811	3647.007	3546.906	3503.529
25.0	3747.107	3757.117	3616.976	3516.875	3470.162
25.5	3723.751	3727.087	3590.283	3483.509	3436.795
26.0	3693.720	3700.394	3556.916	3446.805	3403.428
26.5	3667.027	3670.363	3526.886	3413.438	3370.061

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**CANDELA TABULATION - (Cont.)**

27.0	3636.996	3643.670	3496.855	3383.408	3336.360
27.5	3610.303	3613.640	3463.488	3350.041	3301.992
28.0	3580.273	3583.609	3433.458	3313.671	3268.959
28.5	3550.242	3553.579	3400.091	3280.638	3235.259
29.0	3520.212	3520.212	3366.724	3247.271	3202.225
29.5	3483.509	3490.182	3332.690	3212.903	3166.523
30.0	3453.478	3456.815	3298.656	3180.203	3131.487
30.5	3423.448	3423.448	3263.287	3144.500	3096.452
31.0	3390.081	3390.081	3227.584	3110.132	3061.750
31.5	3356.714	3356.714	3191.881	3073.763	3024.379
32.0	3324.348	3322.346	3156.179	3037.059	2988.343
32.5	3291.315	3285.643	3119.809	2999.688	2952.974
33.0	3258.282	3250.274	3083.439	2962.317	2914.936
33.5	3224.581	3213.904	3046.735	2924.279	2878.900
34.0	3190.547	3177.200	3008.697	2886.240	2839.527
34.5	3156.179	3140.163	2972.327	2847.535	2801.488
35.0	3122.812	3103.793	2934.622	2808.162	2762.449
35.5	3087.777	3067.423	2896.584	2770.123	2721.741
36.0	3052.074	3029.384	2859.547	2730.083	2680.700
36.5	3019.041	2992.347	2821.175	2690.043	2637.657
37.0	2982.671	2955.310	2781.802	2650.002	2594.947
37.5	2946.634	2918.273	2743.096	2609.628	2552.571
38.0	2911.599	2880.568	2703.723	2569.254	2510.195
38.5	2875.229	2843.864	2665.017	2527.546	2474.826
39.0	2838.192	2806.827	2626.979	2489.174	2440.124
39.5	2801.155	2770.123	2588.607	2456.808	2399.750
40.0	2763.450	2733.753	2549.902	2420.104	2360.377
40.5	2726.413	2697.050	2512.531	2380.731	2322.339
41.0	2690.043	2661.013	2483.168	2342.693	2285.635
41.5	2652.672	2624.644	2447.799	2305.989	2249.933
42.0	2615.968	2587.606	2414.765	2269.953	2215.565
42.5	2578.597	2551.236	2378.395	2235.585	2182.198
43.0	2542.561	2514.199	2343.360	2201.884	2149.832
43.5	2507.859	2485.503	2308.659	2168.851	2117.800
44.0	2477.495	2452.470	2274.624	2136.485	2086.435
44.5	2448.466	2417.435	2240.924	2104.453	2054.736
45.0	2412.096	2383.067	2207.557	2073.088	2023.371
45.5	2376.727	2347.031	2174.523	2041.723	1992.340
46.0	2341.358	2311.328	2141.824	2010.692	1960.975
46.5	2306.323	2275.959	2109.458	1979.327	1930.277
47.0	2270.954	2241.257	2077.092	1948.296	1899.246
47.5	2235.919	2206.556	2044.392	1916.597	1868.215
48.0	2201.551	2171.854	2011.693	1885.232	1837.517
48.5	2167.516	2137.486	1978.660	1854.201	1806.820
49.0	2133.482	2103.118	1945.626	1823.170	1776.456
49.5	2099.448	2069.418	1912.259	1792.472	1746.426
50.0	2065.414	2035.383	1879.560	1761.774	1716.395
50.5	2031.379	2001.349	1846.860	1731.411	1686.699
51.0	1997.345	1967.648	1814.494	1701.380	1657.002
51.5	1962.643	1933.948	1782.462	1671.016	1627.306
52.0	1928.609	1899.580	1750.763	1640.986	1597.609
52.5	1894.241	1866.213	1720.066	1610.956	1568.246
53.0	1860.541	1832.846	1689.368	1581.259	1538.550
53.5	1826.840	1799.813	1659.338	1551.563	1508.853
54.0	1793.139	1767.113	1628.974	1521.866	1479.490
54.5	1759.439	1734.747	1598.944	1492.170	1450.127

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**CANDELA TABULATION - (Cont.)**

55.0	1726.072	1702.381	1569.247	1462.807	1421.098
55.5	1693.372	1670.349	1539.551	1433.777	1392.402
56.0	1661.006	1637.983	1509.854	1405.416	1364.041
56.5	1628.974	1605.951	1480.157	1377.054	1336.680
57.0	1597.609	1574.252	1450.127	1349.025	1309.652
57.5	1566.244	1543.221	1420.431	1321.331	1282.959
58.0	1535.547	1512.523	1390.734	1293.636	1256.599
58.5	1504.849	1481.826	1361.371	1266.275	1230.239
59.0	1474.151	1451.462	1332.676	1239.248	1204.213
59.5	1443.787	1421.098	1303.646	1212.888	1178.520
60.0	1414.091	1390.734	1274.951	1186.862	1153.161
60.5	1384.061	1360.704	1246.923	1160.836	1127.469
61.0	1354.364	1331.007	1219.228	1135.143	1102.444
61.5	1324.334	1301.978	1191.533	1109.451	1077.752
62.0	1294.637	1272.949	1164.173	1084.426	1053.728
62.5	1264.941	1244.253	1137.145	1059.734	1029.370
63.0	1235.578	1215.224	1110.452	1035.042	1005.346
63.5	1206.215	1186.195	1084.092	1010.351	981.655
64.0	1176.852	1157.165	1057.732	986.327	957.965
64.5	1147.489	1128.136	1031.706	961.969	934.274
65.0	1118.126	1099.441	1005.680	937.945	910.584
65.5	1089.097	1071.079	979.987	913.587	887.227
66.0	1060.068	1042.717	954.294	889.563	865.205
66.5	1031.038	1014.689	928.602	865.538	841.848
67.0	1002.677	985.993	902.909	841.514	818.825
67.5	973.981	957.631	877.217	817.824	795.468
68.0	945.285	929.269	851.858	794.133	772.778
68.5	916.924	901.241	826.165	770.776	750.089
69.0	888.562	873.546	800.807	747.753	727.733
69.5	859.866	845.852	775.448	724.730	705.377
70.0	832.171	818.157	750.756	702.040	683.689
70.5	804.477	790.796	726.065	679.685	662.000
71.0	776.782	763.102	701.707	657.329	640.645
71.5	749.755	736.408	677.349	635.640	619.624
72.0	722.728	709.715	653.325	613.952	598.937
72.5	696.034	683.689	629.968	592.597	578.583
73.0	669.341	657.662	606.945	571.576	558.229
73.5	642.647	631.970	583.921	550.555	538.209
74.0	616.287	606.277	561.232	529.867	518.522
74.5	590.261	580.918	539.210	509.847	499.169
75.0	564.569	556.227	517.188	489.827	480.150
75.5	539.210	531.535	495.499	470.140	461.465
76.0	513.851	507.845	473.811	450.454	442.779
76.5	489.159	483.821	452.789	431.101	424.427
77.0	464.468	460.464	431.768	412.415	406.409
77.5	440.444	437.107	411.748	393.730	388.391
78.0	416.753	414.417	391.728	375.712	370.707
78.5	393.396	392.062	372.041	357.694	353.356
79.0	370.707	370.039	353.022	340.343	336.339
79.5	348.017	349.018	334.003	322.992	319.655
80.0	326.329	328.331	314.984	305.641	302.972
80.5	304.974	307.977	296.966	288.958	286.622
81.0	284.286	287.957	279.281	272.274	270.606
81.5	263.932	268.604	261.263	255.924	254.590
82.0	244.246	249.251	244.246	239.908	239.241
82.5	224.893	230.566	226.895	224.226	223.558

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**CANDELA TABULATION - (Cont.)**

83.0	206.541	212.214	210.212	208.877	208.543
83.5	188.190	194.529	193.862	193.528	193.528
84.0	170.839	177.512	177.846	178.513	179.180
84.5	153.822	160.829	162.497	164.165	164.833
85.0	137.138	144.479	147.482	149.818	150.819
85.5	121.456	128.796	132.800	135.803	137.472
86.0	106.107	113.448	118.453	122.123	123.791
86.5	91.425	99.100	104.439	108.776	111.112
87.0	77.078	84.752	90.758	95.763	98.432
87.5	63.064	71.072	77.745	83.084	85.753
88.0	49.383	57.725	64.732	70.404	73.741
88.5	36.036	44.378	51.719	58.392	62.063
89.0	22.356	30.698	38.372	44.378	48.048
89.5	9.009	16.683	21.689	24.358	26.694
90.0	2.002	7.674	11.678	15.015	16.350
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-L12-840-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-L12-840-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-L12-840-F-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1573.79	N.A.	15.80
0-30	3239.73	N.A.	32.60
0-40	5078.83	N.A.	51.10
0-60	8204.91	N.A.	82.60
0-80	9765.22	N.A.	98.30
0-90	9931.2	N.A.	100.00
10-90	9516.92	N.A.	95.80
20-40	3505.04	N.A.	35.30
20-50	5218.52	N.A.	52.50
40-70	4131.34	N.A.	41.60
60-80	1560.31	N.A.	15.70
70-80	555.05	N.A.	5.60
80-90	165.98	N.A.	1.70
90-110	0.30	N.A.	0.00
90-120	0.30	N.A.	0.00
90-130	0.30	N.A.	0.00
90-150	0.30	N.A.	0.00
90-180	0.30	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	9931.5	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	414.28
10-20	1159.51
20-30	1665.94
30-40	1839.1
40-50	1713.48
50-60	1412.6
60-70	1005.26
70-80	555.05
80-90	165.98
90-100	0.30
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-L12-840-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	71	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-L12-840-F-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

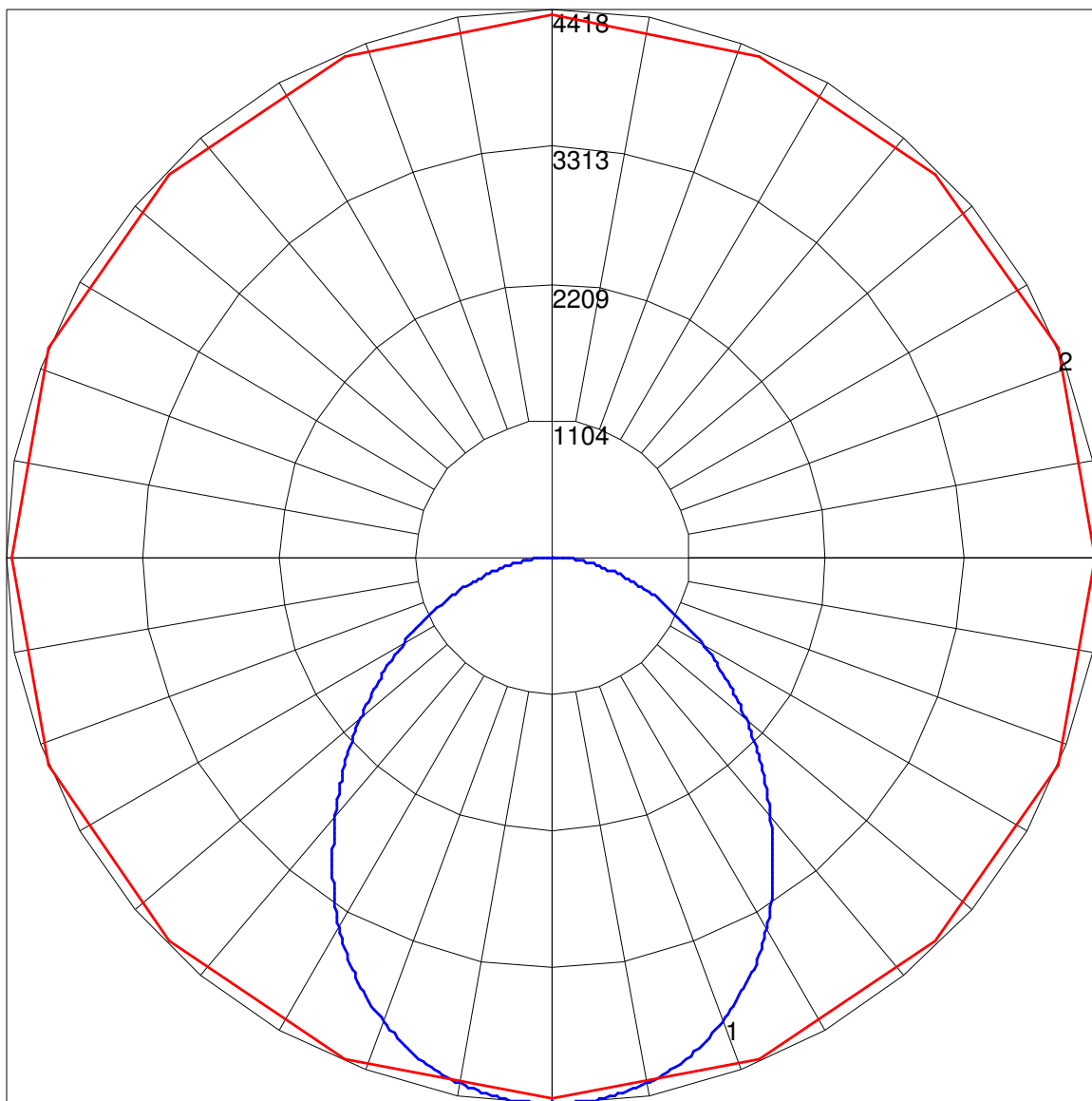
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	23.0	24.6	23.4	24.9	25.2	21.9	23.4	22.2	23.7	24.0
	3H	24.7	26.1	25.0	26.4	26.7	23.5	24.9	23.9	25.2	25.6
	4H	25.2	26.6	25.6	26.9	27.3	24.1	25.4	24.5	25.7	26.1
	6H	25.7	26.9	26.1	27.2	27.6	24.6	25.8	25.0	26.1	26.5
	8H	25.8	26.9	26.2	27.3	27.7	24.7	25.9	25.1	26.3	26.7
	12H	25.9	27.0	26.3	27.4	27.8	24.9	26.0	25.3	26.3	26.8
4H	2H	23.5	24.8	23.9	25.1	25.5	22.5	23.9	22.9	24.2	24.6
	3H	25.3	26.4	25.7	26.8	27.2	24.3	25.5	24.8	25.9	26.3
	4H	26.1	27.0	26.5	27.5	27.9	25.1	26.1	25.5	26.5	26.9
	6H	26.6	27.5	27.1	27.9	28.4	25.7	26.5	26.1	27.0	27.4
	8H	26.8	27.6	27.2	28.0	28.5	25.9	26.7	26.4	27.1	27.6
	12H	26.9	27.6	27.4	28.1	28.6	26.1	26.8	26.6	27.3	27.7
8H	4H	26.3	27.1	26.7	27.5	28.0	25.4	26.2	25.9	26.7	27.1
	6H	26.9	27.6	27.4	28.1	28.6	26.1	26.8	26.6	27.3	27.8
	8H	27.2	27.8	27.7	28.3	28.8	26.4	27.0	26.9	27.5	28.0
	12H	27.4	27.9	27.9	28.4	29.0	26.7	27.2	27.2	27.7	28.3
12H	4H	26.3	27.0	26.8	27.5	28.0	25.4	26.2	25.9	26.6	27.1
	6H	27.0	27.6	27.5	28.1	28.6	26.2	26.8	26.7	27.3	27.8
	8H	27.3	27.8	27.8	28.3	28.9	26.5	27.1	27.1	27.6	28.1

Maximum UGR = 29.0

POLAR GRAPH



Maximum Candela = 4417.783 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.)