

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2D-10-00-L12-940-FA-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 13012869.01
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 09-30-2025
[MANUFAC] H E Williams Inc
[LUMCAT] MX2D-10'00-L12-940-FA-DIM-UNV
[LUMINAIRE] aluminum housing, flat with asymmetric optic

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8642
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	97
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)	10.00 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	19114	17494	16034
55	16862	15330	13883
65	14825	13334	12073
75	12223	11197	10395
85	8817	9482	9696

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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	3821.013	3821.013	3821.013	3821.013	3821.013
0.5	3815.206	3844.241	3812.302	3812.302	3806.495
1.0	3812.302	3844.241	3812.302	3812.302	3806.495
1.5	3812.302	3841.337	3812.302	3812.302	3806.495
2.0	3812.302	3841.337	3809.399	3812.302	3806.495
2.5	3809.399	3838.434	3809.399	3812.302	3806.495
3.0	3806.495	3838.434	3806.495	3812.302	3803.592
3.5	3803.592	3835.530	3803.592	3809.399	3800.688
4.0	3800.688	3832.627	3800.688	3806.495	3797.785
4.5	3797.785	3829.723	3794.881	3803.592	3794.881
5.0	3791.978	3823.916	3791.978	3800.688	3789.074
5.5	3789.074	3821.013	3786.171	3794.881	3786.171
6.0	3783.267	3815.206	3783.267	3789.074	3780.364
6.5	3777.460	3809.399	3777.460	3780.364	3771.653
7.0	3771.653	3803.592	3771.653	3771.653	3762.943
7.5	3765.846	3797.785	3765.846	3762.943	3754.232
8.0	3760.039	3791.978	3757.136	3751.329	3745.522
8.5	3751.329	3783.267	3751.329	3742.618	3733.908
9.0	3742.618	3777.460	3742.618	3731.004	3722.294
9.5	3736.811	3768.750	3733.908	3719.390	3707.776
10.0	3728.101	3760.039	3722.294	3704.872	3693.258
10.5	3719.390	3751.329	3713.583	3693.258	3678.741
11.0	3710.680	3742.618	3699.065	3678.741	3661.320
11.5	3699.065	3731.004	3687.451	3664.223	3646.802
12.0	3690.355	3722.294	3675.837	3649.706	3629.381
12.5	3678.741	3710.680	3661.320	3632.285	3611.960
13.0	3667.127	3699.065	3646.802	3617.767	3594.539
13.5	3655.513	3687.451	3632.285	3600.346	3580.022
14.0	3643.899	3675.837	3617.767	3582.925	3559.697
14.5	3629.381	3661.320	3600.346	3565.504	3539.373
15.0	3614.864	3646.802	3582.925	3545.180	3521.952
15.5	3603.250	3635.188	3565.504	3524.855	3501.627
16.0	3588.732	3617.767	3548.083	3507.434	3481.303
16.5	3574.215	3603.250	3530.662	3487.110	3460.978
17.0	3559.697	3585.829	3510.338	3463.882	3437.750
17.5	3545.180	3571.311	3490.013	3443.557	3417.425
18.0	3527.759	3553.890	3469.689	3420.329	3394.197
18.5	3513.241	3536.469	3449.364	3400.004	3370.969
19.0	3495.820	3519.048	3429.040	3376.776	3347.741
19.5	3478.399	3498.724	3408.715	3353.548	3324.513
20.0	3460.978	3481.303	3385.487	3330.320	3301.285
20.5	3443.557	3460.978	3362.259	3304.189	3275.154
21.0	3423.232	3440.654	3341.934	3278.057	3249.022
21.5	3405.811	3420.329	3318.706	3251.926	3222.891
22.0	3385.487	3400.004	3295.478	3225.794	3193.856
22.5	3368.066	3379.680	3272.250	3199.663	3164.821
23.0	3347.741	3359.355	3246.119	3170.628	3138.689
23.5	3327.417	3336.127	3222.891	3144.496	3106.750
24.0	3304.189	3315.803	3199.663	3115.461	3077.715
24.5	3283.864	3292.575	3173.531	3086.426	3048.680
25.0	3260.636	3269.347	3147.400	3060.294	3019.645
25.5	3240.312	3243.215	3124.171	3031.259	2990.610
26.0	3214.180	3219.987	3095.136	2999.321	2961.575
26.5	3190.952	3193.856	3069.005	2970.286	2932.540

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CANDELA TABULATION - (Cont.)

27.0	3164.821	3170.628	3042.873	2944.154	2903.215
27.5	3141.593	3144.496	3013.838	2915.119	2873.309
28.0	3115.461	3118.364	2987.707	2883.471	2844.564
28.5	3089.329	3092.233	2958.672	2854.726	2815.239
29.0	3063.198	3063.198	2929.637	2825.691	2786.494
29.5	3031.259	3037.066	2900.021	2795.785	2755.426
30.0	3005.128	3008.031	2870.405	2767.331	2724.940
30.5	2978.996	2978.996	2839.628	2736.263	2694.453
31.0	2949.961	2949.961	2808.560	2706.357	2664.256
31.5	2920.926	2920.926	2777.493	2674.709	2631.737
32.0	2892.762	2891.020	2746.425	2642.770	2600.379
32.5	2864.017	2859.081	2714.777	2610.251	2569.602
33.0	2835.273	2828.304	2683.129	2577.732	2536.502
33.5	2805.947	2796.656	2651.190	2544.632	2505.144
34.0	2776.332	2764.718	2618.091	2511.532	2470.883
34.5	2746.425	2732.489	2586.442	2477.851	2437.783
35.0	2717.390	2700.840	2553.633	2443.590	2403.812
35.5	2686.904	2669.192	2520.533	2410.490	2368.389
36.0	2655.836	2636.092	2488.304	2375.648	2332.676
36.5	2627.091	2603.863	2454.914	2340.806	2295.221
37.0	2595.443	2571.634	2420.652	2305.964	2258.056
37.5	2564.085	2539.406	2386.972	2270.831	2221.181
38.0	2533.599	2506.596	2352.710	2235.699	2184.307
38.5	2501.950	2474.657	2319.030	2199.405	2153.530
39.0	2469.721	2442.428	2285.930	2166.015	2123.333
39.5	2437.493	2410.490	2252.539	2137.851	2088.201
40.0	2404.683	2378.842	2218.859	2105.912	2053.939
40.5	2372.454	2346.903	2186.339	2071.651	2020.840
41.0	2340.806	2315.545	2160.788	2038.551	1988.901
41.5	2308.287	2283.897	2130.011	2006.612	1957.833
42.0	2276.348	2251.668	2101.267	1975.255	1927.927
42.5	2243.829	2220.020	2069.618	1945.348	1898.892
43.0	2212.471	2187.791	2039.132	1916.023	1870.728
43.5	2182.274	2162.821	2008.935	1887.278	1842.855
44.0	2155.853	2134.076	1979.319	1859.114	1815.562
44.5	2130.592	2103.589	1949.994	1831.241	1787.978
45.0	2098.944	2073.683	1920.959	1803.948	1760.685
45.5	2068.167	2042.325	1892.214	1776.655	1733.683
46.0	2037.390	2011.258	1863.760	1749.652	1706.390
46.5	2006.903	1980.481	1835.596	1722.359	1679.678
47.0	1976.126	1950.284	1807.432	1695.357	1652.675
47.5	1945.639	1920.088	1778.978	1667.773	1625.672
48.0	1915.733	1889.891	1750.523	1640.480	1598.960
48.5	1886.117	1859.985	1721.779	1613.478	1572.248
49.0	1856.501	1830.079	1693.034	1586.475	1545.826
49.5	1826.885	1800.754	1663.999	1559.763	1519.695
50.0	1797.270	1771.138	1635.544	1533.051	1493.563
50.5	1767.654	1741.522	1607.090	1506.629	1467.722
51.0	1738.038	1712.197	1578.926	1480.497	1441.881
51.5	1707.842	1682.872	1551.052	1454.075	1416.039
52.0	1678.226	1652.965	1523.469	1427.944	1390.198
52.5	1648.320	1623.930	1496.757	1401.812	1364.647
53.0	1618.994	1594.895	1470.045	1375.971	1338.806
53.5	1589.669	1566.151	1443.913	1350.130	1312.965
54.0	1560.344	1537.696	1417.491	1324.289	1287.414
54.5	1531.018	1509.532	1391.360	1298.447	1261.863

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55.0	1501.983	1481.368	1365.518	1272.897	1236.603
55.5	1473.529	1453.495	1339.677	1247.636	1211.633
56.0	1445.365	1425.331	1313.836	1222.956	1186.953
56.5	1417.491	1397.457	1287.995	1198.277	1163.144
57.0	1390.198	1369.874	1261.863	1173.887	1139.626
57.5	1362.905	1342.871	1236.022	1149.788	1116.398
58.0	1336.193	1316.159	1210.181	1125.689	1093.460
58.5	1309.481	1289.447	1184.630	1101.880	1070.522
59.0	1282.769	1263.025	1159.660	1078.362	1047.875
59.5	1256.347	1236.603	1134.399	1055.424	1025.518
60.0	1230.505	1210.181	1109.429	1032.777	1003.451
60.5	1204.374	1184.049	1085.040	1010.129	981.094
61.0	1178.533	1158.208	1060.941	987.772	959.318
61.5	1152.401	1132.948	1036.842	965.415	937.832
62.0	1126.560	1107.687	1013.033	943.639	916.927
62.5	1100.719	1082.717	989.515	922.153	895.731
63.0	1075.168	1057.457	966.286	900.667	874.826
63.5	1049.617	1032.196	943.349	879.181	854.211
64.0	1024.066	1006.936	920.411	858.276	833.596
64.5	998.515	981.675	897.764	837.081	812.981
65.0	972.965	956.705	875.116	816.175	792.367
65.5	947.704	932.025	852.759	794.980	772.042
66.0	922.444	907.345	830.402	774.074	752.879
66.5	897.183	882.956	808.045	753.169	732.554
67.0	872.503	857.986	785.688	732.264	712.520
67.5	847.533	833.306	763.331	711.649	692.196
68.0	822.563	808.626	741.265	691.034	672.452
68.5	797.883	784.237	718.908	670.710	652.708
69.0	773.203	760.138	696.841	650.675	633.254
69.5	748.233	736.039	674.775	630.641	613.801
70.0	724.134	711.939	653.289	610.897	594.928
70.5	700.035	688.131	631.803	591.444	576.055
71.0	675.936	664.032	610.607	571.991	557.473
71.5	652.418	640.804	589.412	553.118	539.181
72.0	628.899	617.576	568.506	534.245	521.179
72.5	605.671	594.928	548.182	515.663	503.468
73.0	582.443	572.281	528.148	497.370	485.756
73.5	559.215	549.924	508.113	479.078	468.335
74.0	536.277	527.567	488.370	461.077	451.205
74.5	513.630	505.500	469.206	443.656	434.364
75.0	491.273	484.014	450.043	426.235	417.814
75.5	469.206	462.528	431.171	409.104	401.555
76.0	447.140	441.913	412.298	391.973	385.295
76.5	425.654	421.008	394.006	375.133	369.326
77.0	404.168	400.684	375.714	358.873	353.647
77.5	383.263	380.359	358.293	342.614	337.968
78.0	362.648	360.615	340.871	326.935	322.579
78.5	342.323	341.162	323.741	311.256	307.481
79.0	322.579	321.999	307.191	296.158	292.673
79.5	302.836	303.707	290.641	281.059	278.156
80.0	283.963	285.705	274.091	265.961	263.638
80.5	265.380	267.994	258.412	251.444	249.411
81.0	247.379	250.572	243.023	236.926	235.474
81.5	229.667	233.732	227.344	222.699	221.537
82.0	212.537	216.892	212.537	208.762	208.181
82.5	195.696	200.632	197.438	195.116	194.535

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CANDELA TABULATION - (Cont.)

83.0	179.727	184.663	182.921	181.759	181.469
83.5	163.758	169.274	168.694	168.403	168.403
84.0	148.659	154.466	154.757	155.338	155.918
84.5	133.852	139.949	141.401	142.852	143.433
85.0	119.334	125.722	128.335	130.367	131.238
85.5	105.688	112.075	115.560	118.173	119.624
86.0	92.331	98.719	103.074	106.268	107.720
86.5	79.556	86.234	90.880	94.654	96.687
87.0	67.071	73.749	78.975	83.331	85.653
87.5	54.876	61.845	67.652	72.297	74.620
88.0	42.972	50.231	56.328	61.264	64.167
88.5	31.358	38.617	45.004	50.811	54.005
89.0	19.453	26.712	33.390	38.617	41.810
89.5	7.839	14.518	18.873	21.196	23.228
90.0	1.742	6.678	10.162	13.066	14.227
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-10-00-L12-940-FA-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-10-00-L12-940-FA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1369.47	N.A.	15.80
0-30	2819.13	N.A.	32.60
0-40	4419.46	N.A.	51.10
0-60	7139.7	N.A.	82.60
0-80	8497.44	N.A.	98.30
0-90	8641.87	N.A.	100.00
10-90	8281.38	N.A.	95.80
20-40	3049.99	N.A.	35.30
20-50	4541.02	N.A.	52.50
40-70	3594.99	N.A.	41.60
60-80	1357.74	N.A.	15.70
70-80	482.99	N.A.	5.60
80-90	144.43	N.A.	1.70
90-110	0.26	N.A.	0.00
90-120	0.26	N.A.	0.00
90-130	0.26	N.A.	0.00
90-150	0.26	N.A.	0.00
90-180	0.26	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	8642.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	360.49
10-20	1008.98
20-30	1449.66
30-40	1600.34
40-50	1491.03
50-60	1229.21
60-70	874.75
70-80	482.99
80-90	144.43
90-100	0.26
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-10-00-L12-940-FA-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-10-00-L12-940-FA-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	21.7	23.3	22.1	23.6	23.9	20.6	22.1	20.9	22.5	22.8
	3H	23.4	24.8	23.8	25.1	25.5	22.2	23.6	22.6	23.9	24.3
	4H	24.0	25.3	24.4	25.6	26.0	22.8	24.1	23.2	24.5	24.8
	6H	24.4	25.6	24.8	26.0	26.4	23.3	24.5	23.7	24.9	25.3
	8H	24.5	25.7	24.9	26.1	26.5	23.4	24.6	23.9	25.0	25.4
	12H	24.6	25.7	25.0	26.1	26.5	23.6	24.7	24.0	25.1	25.5

UGR Viewed Endwise

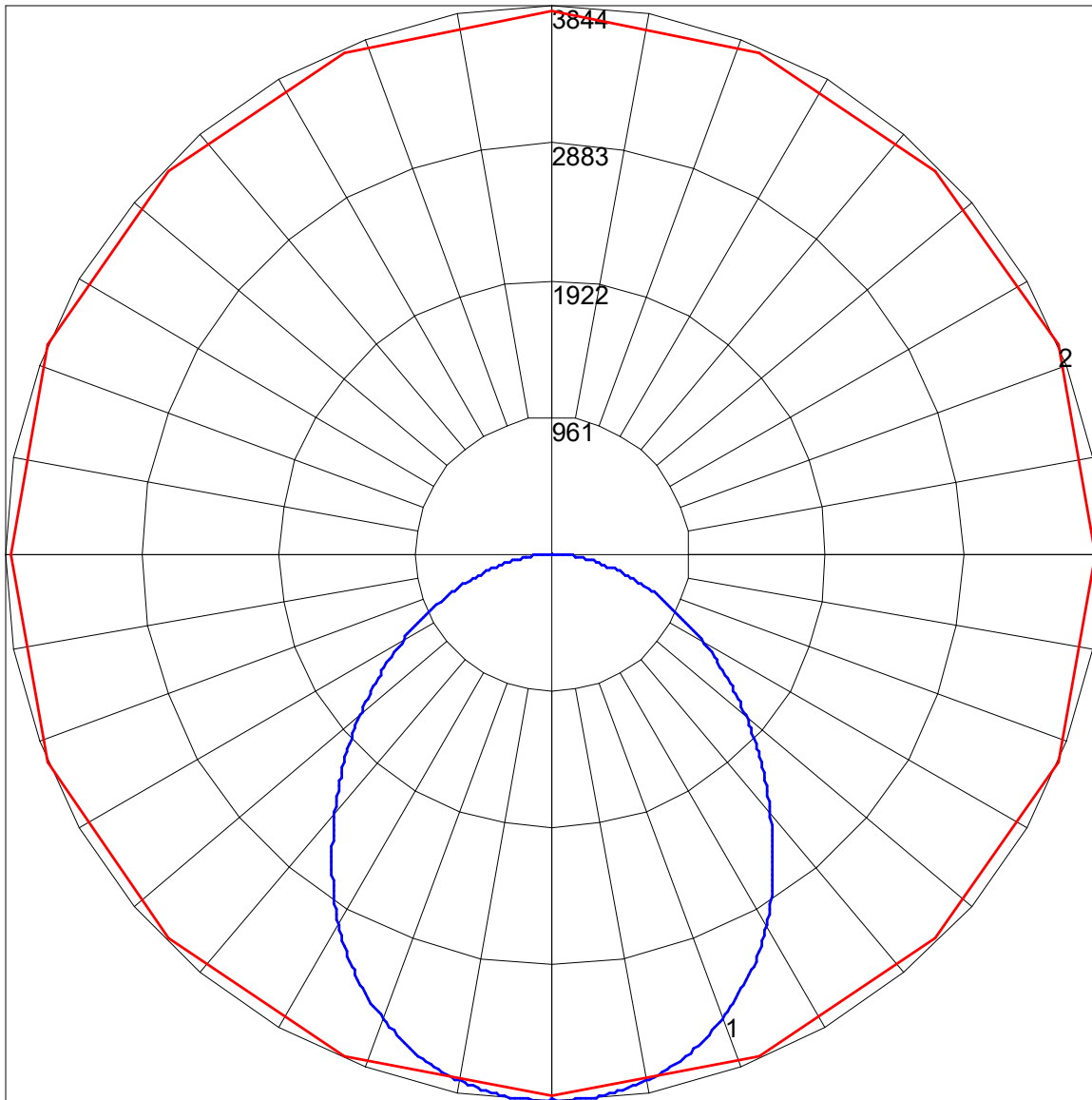
4H	2H	22.2	23.5	22.6	23.8	24.2	21.3	22.6	21.7	22.9	23.3
	3H	24.0	25.2	24.5	25.6	26.0	23.1	24.2	23.5	24.6	25.0
	4H	24.8	25.8	25.2	26.2	26.6	23.8	24.8	24.2	25.2	25.6
	6H	25.3	26.2	25.8	26.6	27.1	24.4	25.3	24.9	25.7	26.2
	8H	25.5	26.3	26.0	26.8	27.2	24.6	25.4	25.1	25.9	26.3
	12H	25.6	26.3	26.1	26.8	27.3	24.8	25.5	25.3	26.0	26.5

8H	4H	25.0	25.8	25.5	26.3	26.7	24.1	24.9	24.6	25.4	25.8
	6H	25.7	26.3	26.1	26.8	27.3	24.8	25.5	25.3	26.0	26.5
	8H	25.9	26.5	26.4	27.0	27.5	25.2	25.8	25.7	26.3	26.7
	12H	26.1	26.6	26.6	27.1	27.7	25.4	25.9	25.9	26.4	27.0

12H	4H	25.0	25.7	25.5	26.2	26.7	24.2	24.9	24.6	25.4	25.8
	6H	25.7	26.3	26.2	26.8	27.3	24.9	25.5	25.4	26.0	26.5
	8H	26.0	26.5	26.5	27.0	27.6	25.3	25.8	25.8	26.3	26.9

Maximum UGR = 27.7

POLAR GRAPH



Maximum Candela = 3844.241 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.)