

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2D-4-00-L4-835-F-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM 13012869.01

[TESTLAB] UL Verification Services Inc.

[ISSUEDATE] 08-19-2022

[MANUFAC] H E Williams Inc

[LUMCAT] MX2D-4'00-L4/835-F-DIM-UNV

[LUMINAIRE] Formed White aluminum housing,frosted plastic lens

[LAMP] 144 White LEDs

[BALLAST] One Philips Advance XI040C110V054BST1 Driver

[OTHER] 24.6 C, 119.988 V, 0.225834 A, 26.9225 W, 0.993544 PF, 59.9999

[MORE] Hz

[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	1503
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	13.6
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)	3.96 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	8401	7689	7047
55	7411	6738	6102
65	6516	5861	5307
75	5372	4921	4569
85	3875	4168	4262

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L4-835-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	664.721	664.721	664.721	664.721	664.721
0.5	663.711	668.762	663.206	663.206	662.196
1.0	663.206	668.762	663.206	663.206	662.196
1.5	663.206	668.257	663.206	663.206	662.196
2.0	663.206	668.257	662.701	663.206	662.196
2.5	662.701	667.752	662.701	663.206	662.196
3.0	662.196	667.752	662.196	663.206	661.691
3.5	661.691	667.247	661.691	662.701	661.186
4.0	661.186	666.742	661.186	662.196	660.681
4.5	660.681	666.237	660.176	661.691	660.176
5.0	659.670	665.227	659.670	661.186	659.165
5.5	659.165	664.721	658.660	660.176	658.660
6.0	658.155	663.711	658.155	659.165	657.650
6.5	657.145	662.701	657.145	657.650	656.135
7.0	656.135	661.691	656.135	656.135	654.619
7.5	655.124	660.681	655.124	654.619	653.104
8.0	654.114	659.670	653.609	652.599	651.589
8.5	652.599	658.155	652.599	651.084	649.568
9.0	651.084	657.145	651.084	649.063	647.548
9.5	650.073	655.630	649.568	647.043	645.022
10.0	648.558	654.114	647.548	644.517	642.497
10.5	647.043	652.599	646.033	642.497	639.971
11.0	645.527	651.084	643.507	639.971	636.941
11.5	643.507	649.063	641.487	637.446	634.415
12.0	641.992	647.548	639.466	634.920	631.384
12.5	639.971	645.527	636.941	631.890	628.354
13.0	637.951	643.507	634.415	629.364	625.323
13.5	635.930	641.487	631.890	626.333	622.798
14.0	633.910	639.466	629.364	623.303	619.262
14.5	631.384	636.941	626.333	620.272	615.726
15.0	628.859	634.415	623.303	616.736	612.695
15.5	626.838	632.395	620.272	613.201	609.160
16.0	624.313	629.364	617.241	610.170	605.624
16.5	621.787	626.838	614.211	606.634	602.088
17.0	619.262	623.808	610.675	602.593	598.047
17.5	616.736	621.282	607.139	599.058	594.512
18.0	613.706	618.252	603.603	595.017	590.471
18.5	611.180	615.221	600.068	591.481	586.430
19.0	608.149	612.190	596.532	587.440	582.389
19.5	605.119	608.655	592.996	583.399	578.348
20.0	602.088	605.624	588.955	579.358	574.307
20.5	599.058	602.088	584.915	574.812	569.761
21.0	595.522	598.552	581.379	570.266	565.215
21.5	592.491	595.017	577.338	565.720	560.669
22.0	588.955	591.481	573.297	561.174	555.618
22.5	585.925	587.945	569.256	556.628	550.567
23.0	582.389	584.409	564.710	551.577	546.021
23.5	578.853	580.369	560.669	547.031	540.465
24.0	574.812	576.833	556.628	541.980	535.414
24.5	571.277	572.792	552.083	536.929	530.363
25.0	567.236	568.751	547.537	532.383	525.312
25.5	563.700	564.205	543.496	527.332	520.261
26.0	559.154	560.164	538.445	521.776	515.210
26.5	555.113	555.618	533.899	516.725	510.159

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L4-835-F-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	550.567	551.577	529.353	512.179	505.057
27.5	546.526	547.031	524.302	507.128	499.854
28.0	541.980	542.485	519.756	501.622	494.854
28.5	537.434	537.940	514.705	496.622	489.752
29.0	532.888	532.888	509.653	491.571	484.752
29.5	527.332	528.342	504.501	486.368	479.347
30.0	522.786	523.291	499.349	481.418	474.043
30.5	518.240	518.240	493.995	476.013	468.740
31.0	513.189	513.189	488.591	470.811	463.487
31.5	508.138	508.138	483.186	465.305	457.829
32.0	503.239	502.936	477.781	459.749	452.374
32.5	498.238	497.379	472.276	454.092	447.020
33.0	493.237	492.025	466.770	448.434	441.262
33.5	488.136	486.520	461.214	442.676	435.807
34.0	482.984	480.963	455.455	436.918	429.847
34.5	477.781	475.357	449.950	431.059	424.088
35.0	472.730	469.851	444.242	425.098	418.179
35.5	467.427	464.345	438.484	419.340	412.016
36.0	462.022	458.587	432.877	413.279	405.803
36.5	457.021	452.980	427.068	407.218	399.287
37.0	451.516	447.374	421.108	401.156	392.822
37.5	446.060	441.767	415.249	395.045	386.407
38.0	440.757	436.059	409.289	388.933	379.992
38.5	435.251	430.503	403.429	382.619	374.638
39.0	429.644	424.896	397.671	376.810	369.385
39.5	424.038	419.340	391.862	371.911	363.273
40.0	418.330	413.835	386.003	366.354	357.313
40.5	412.723	408.278	380.346	360.394	351.555
41.0	407.218	402.823	375.901	354.636	345.999
41.5	401.560	397.318	370.547	349.080	340.594
42.0	396.004	391.711	365.546	343.625	335.391
42.5	390.347	386.205	360.041	338.422	330.340
43.0	384.892	380.599	354.737	333.320	325.441
43.5	379.639	376.255	349.484	328.320	320.592
44.0	375.042	371.254	344.332	323.420	315.844
44.5	370.648	365.950	339.230	318.571	311.045
45.0	365.142	360.748	334.179	313.823	306.297
45.5	359.788	355.293	329.179	309.075	301.600
46.0	354.434	349.888	324.229	304.378	296.852
46.5	349.130	344.534	319.329	299.630	292.205
47.0	343.776	339.281	314.429	294.932	287.507
47.5	338.473	334.028	309.479	290.134	282.810
48.0	333.270	328.774	304.529	285.386	278.163
48.5	328.118	323.572	299.529	280.688	273.516
49.0	322.966	318.369	294.528	275.991	268.919
49.5	317.814	313.268	289.477	271.344	264.373
50.0	312.662	308.116	284.527	266.697	259.827
50.5	307.509	302.963	279.577	262.100	255.332
51.0	302.357	297.862	274.677	257.554	250.836
51.5	297.104	292.760	269.828	252.958	246.341
52.0	291.952	287.558	265.030	248.412	241.845
52.5	286.750	282.507	260.383	243.866	237.401
53.0	281.648	277.456	255.736	239.370	232.905
53.5	276.546	272.455	251.190	234.875	228.410
54.0	271.445	267.505	246.593	230.380	223.965
54.5	266.343	262.605	242.048	225.884	219.520

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L4-835-F-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	261.292	257.706	237.552	221.439	215.125
55.5	256.342	252.857	233.057	217.045	210.781
56.0	251.443	247.957	228.561	212.751	206.488
56.5	246.593	243.108	224.066	208.458	202.346
57.0	241.845	238.310	219.520	204.215	198.255
57.5	237.097	233.612	215.024	200.023	194.214
58.0	232.450	228.965	210.529	195.830	190.223
58.5	227.803	224.318	206.084	191.688	186.233
59.0	223.157	219.722	201.740	187.597	182.293
59.5	218.560	215.125	197.346	183.607	178.404
60.0	214.065	210.529	193.002	179.667	174.565
60.5	209.519	205.983	188.759	175.727	170.676
61.0	205.023	201.487	184.566	171.838	166.888
61.5	200.477	197.093	180.374	167.948	163.150
62.0	195.982	192.699	176.232	164.160	159.513
62.5	191.486	188.355	172.141	160.422	155.826
63.0	187.041	183.960	168.100	156.684	152.189
63.5	182.596	179.566	164.109	152.947	148.603
64.0	178.151	175.171	160.119	149.310	145.016
64.5	173.706	170.777	156.179	145.622	141.430
65.0	169.262	166.433	152.239	141.986	137.844
65.5	164.867	162.140	148.350	138.298	134.308
66.0	160.473	157.846	144.461	134.662	130.974
66.5	156.078	153.603	140.571	131.025	127.439
67.0	151.785	149.259	136.682	127.388	123.953
67.5	147.441	144.966	132.793	123.802	120.418
68.0	143.097	140.672	128.954	120.216	116.983
68.5	138.804	136.430	125.065	116.680	113.548
69.0	134.510	132.237	121.226	113.195	110.164
69.5	130.166	128.045	117.387	109.709	106.780
70.0	125.974	123.852	113.649	106.275	103.497
70.5	121.781	119.710	109.911	102.890	100.213
71.0	117.589	115.518	106.224	99.506	96.981
71.5	113.498	111.477	102.537	96.223	93.798
72.0	109.406	107.436	98.900	92.940	90.667
72.5	105.365	103.497	95.364	89.707	87.586
73.0	101.325	99.557	91.879	86.525	84.504
73.5	97.284	95.667	88.394	83.343	81.474
74.0	93.293	91.778	84.959	80.211	78.494
74.5	89.354	87.939	81.625	77.180	75.564
75.0	85.464	84.201	78.292	74.150	72.685
75.5	81.625	80.464	75.008	71.170	69.856
76.0	77.787	76.877	71.725	68.190	67.028
76.5	74.049	73.241	68.543	65.260	64.250
77.0	70.311	69.705	65.361	62.431	61.522
77.5	66.674	66.169	62.330	59.603	58.795
78.0	63.088	62.734	59.300	56.875	56.117
78.5	59.552	59.350	56.319	54.148	53.491
79.0	56.117	56.016	53.440	51.521	50.915
79.5	52.683	52.834	50.561	48.894	48.389
80.0	49.400	49.703	47.682	46.268	45.864
80.5	46.167	46.621	44.955	43.742	43.389
81.0	43.035	43.591	42.277	41.217	40.964
81.5	39.954	40.661	39.550	38.742	38.540
82.0	36.974	37.732	36.974	36.317	36.216
82.5	34.044	34.903	34.347	33.943	33.842

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L4-835-F-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	31.266	32.125	31.822	31.620	31.569
83.5	28.488	29.448	29.347	29.296	29.296
84.0	25.862	26.872	26.922	27.023	27.124
84.5	23.285	24.346	24.599	24.851	24.952
85.0	20.760	21.871	22.326	22.679	22.831
85.5	18.386	19.497	20.103	20.558	20.810
86.0	16.062	17.174	17.931	18.487	18.739
86.5	13.840	15.002	15.810	16.467	16.820
87.0	11.668	12.830	13.739	14.497	14.901
87.5	9.547	10.759	11.769	12.577	12.981
88.0	7.476	8.738	9.799	10.658	11.163
88.5	5.455	6.718	7.829	8.839	9.395
89.0	3.384	4.647	5.809	6.718	7.274
89.5	1.364	2.526	3.283	3.687	4.041
90.0	0.303	1.162	1.768	2.273	2.475
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-4-00-L4-835-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-4-00-L4-835-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-4-00-L4-835-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-4-00-L4-835-F-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	238.24	N.A.	15.80
0-30	490.43	N.A.	32.60
0-40	768.83	N.A.	51.10
0-60	1242.06	N.A.	82.60
0-80	1478.26	N.A.	98.30
0-90	1503.38	N.A.	100.00
10-90	1440.67	N.A.	95.80
20-40	530.59	N.A.	35.30
20-50	789.98	N.A.	52.50
40-70	625.40	N.A.	41.60
60-80	236.20	N.A.	15.70
70-80	84.02	N.A.	5.60
80-90	25.13	N.A.	1.70
90-110	0.05	N.A.	0.00
90-120	0.05	N.A.	0.00
90-130	0.05	N.A.	0.00
90-150	0.05	N.A.	0.00
90-180	0.05	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1503.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	62.71
10-20	175.53
20-30	252.19
30-40	278.40
40-50	259.39
50-60	213.84
60-70	152.18
70-80	84.02
80-90	25.13
90-100	0.05
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-4-00-L4-835-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	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	50	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	58	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-4-00-L4-835-F-DIM-UNV_.IES

UGR TABLE - CORRECTED

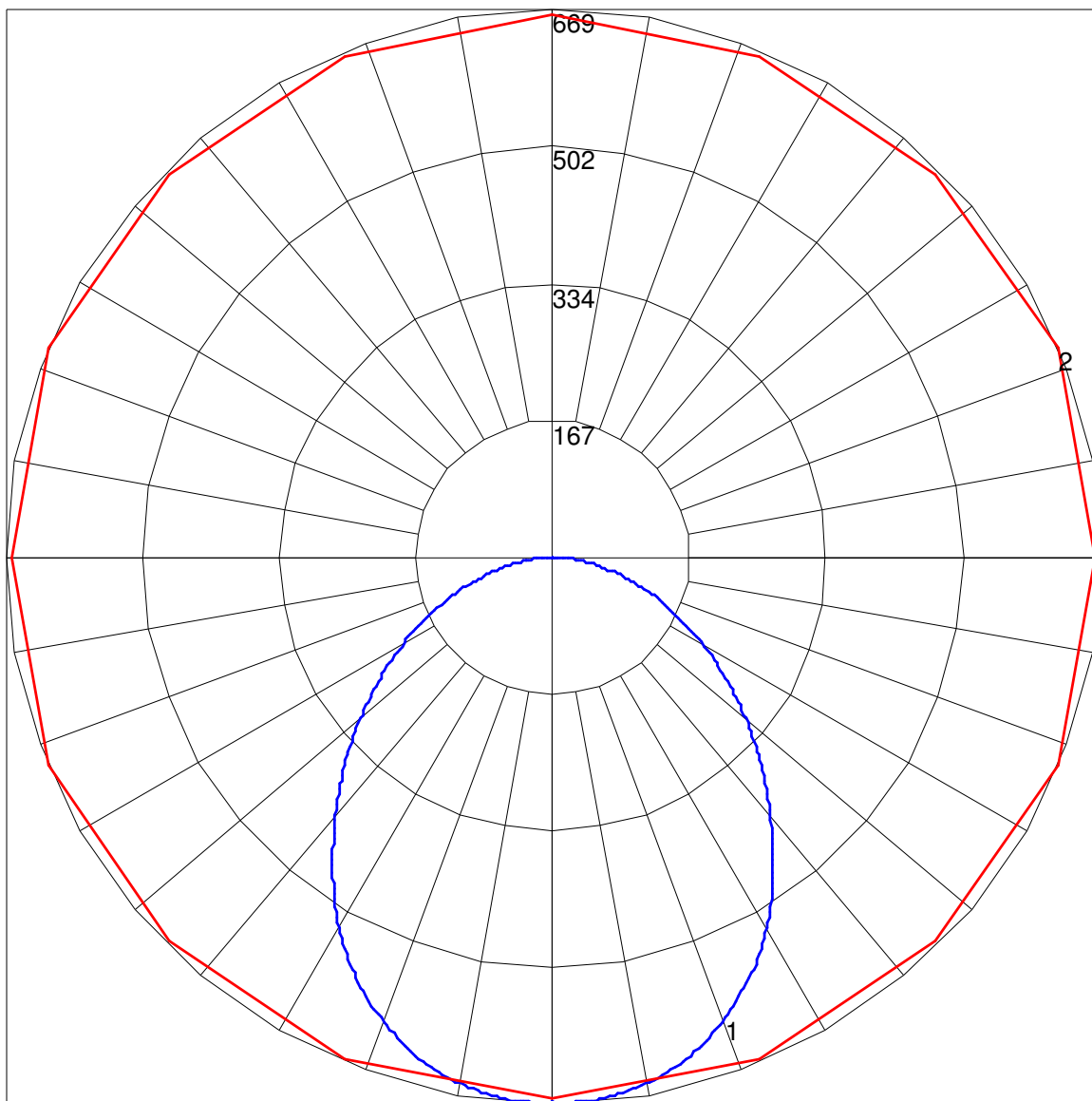
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	18.8	20.4	19.2	20.7	21.0	17.7	19.3	18.1	19.6	19.9
	3H	20.5	21.9	20.9	22.2	22.6	19.3	20.7	19.7	21.1	21.4
	4H	21.1	22.4	21.5	22.8	23.1	19.9	21.2	20.3	21.6	22.0
	6H	21.5	22.7	21.9	23.1	23.5	20.4	21.6	20.8	22.0	22.4
	8H	21.6	22.8	22.0	23.2	23.6	20.6	21.7	21.0	22.1	22.5
	12H	21.7	22.8	22.1	23.2	23.6	20.7	21.8	21.1	22.2	22.6
4H	2H	19.3	20.6	19.7	21.0	21.3	18.4	19.7	18.8	20.0	20.4
	3H	21.2	22.3	21.6	22.7	23.1	20.2	21.3	20.6	21.7	22.1
	4H	21.9	22.9	22.3	23.3	23.7	20.9	21.9	21.3	22.3	22.8
	6H	22.4	23.3	22.9	23.8	24.2	21.5	22.4	22.0	22.8	23.3
	8H	22.6	23.4	23.1	23.9	24.3	21.7	22.5	22.2	23.0	23.5
	12H	22.7	23.5	23.2	23.9	24.4	21.9	22.6	22.4	23.1	23.6
8H	4H	22.1	22.9	22.6	23.4	23.8	21.2	22.1	21.7	22.5	23.0
	6H	22.8	23.5	23.3	23.9	24.4	22.0	22.6	22.5	23.1	23.6
	8H	23.0	23.6	23.5	24.1	24.6	22.3	22.9	22.8	23.4	23.9
	12H	23.2	23.8	23.7	24.2	24.8	22.5	23.1	23.0	23.6	24.1
12H	4H	22.1	22.9	22.6	23.3	23.8	21.3	22.0	21.8	22.5	23.0
	6H	22.8	23.4	23.3	23.9	24.4	22.0	22.7	22.5	23.1	23.7
	8H	23.1	23.7	23.6	24.1	24.7	22.4	22.9	22.9	23.4	24.0

Maximum UGR = 24.8

POLAR GRAPH



Maximum Candela = 668.762 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.)