



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2D-4-00-L8-835-F-(L5)-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 13012869.01
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 05-07-2021
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO
 [LUMCAT] MX2D-4-00-L8-835-F-(L5)-DIM-UNV
 [LUMINAIRE] Formed White aluminum housing, frosted plastic lens
 [LAMP] 144 White LEDs
 [BALLAST] One Philips Advance XI040C110V054BST1 Driver

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2041
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	17
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	11407	10440	9569
55	10063	9149	8285
65	8847	7957	7205
75	7294	6682	6204
85	5262	5659	5787

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2D-4-00-L8-835-F-(L5)-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	902.539	902.539	902.539	902.539	902.539
0.5	901.167	908.026	900.482	900.482	899.110
1.0	900.482	908.026	900.482	900.482	899.110
1.5	900.482	907.340	900.482	900.482	899.110
2.0	900.482	907.340	899.796	900.482	899.110
2.5	899.796	906.654	899.796	900.482	899.110
3.0	899.110	906.654	899.110	900.482	898.424
3.5	898.424	905.968	898.424	899.796	897.738
4.0	897.738	905.282	897.738	899.110	897.052
4.5	897.052	904.596	896.367	898.424	896.367
5.0	895.681	903.225	895.681	897.738	894.995
5.5	894.995	902.539	894.309	896.367	894.309
6.0	893.623	901.167	893.623	894.995	892.938
6.5	892.252	899.796	892.252	892.938	890.880
7.0	890.880	898.424	890.880	890.880	888.823
7.5	889.508	897.052	889.508	888.823	886.765
8.0	888.137	895.681	887.451	886.079	884.708
8.5	886.079	893.623	886.079	884.022	881.964
9.0	884.022	892.252	884.022	881.279	879.221
9.5	882.650	890.194	881.964	878.535	875.792
10.0	880.593	888.137	879.221	875.106	872.363
10.5	878.535	886.079	877.164	872.363	868.934
11.0	876.478	884.022	873.735	868.934	864.819
11.5	873.735	881.279	870.991	865.505	861.390
12.0	871.677	879.221	868.248	862.076	857.275
12.5	868.934	876.478	864.819	857.961	853.160
13.0	866.191	873.735	861.390	854.532	849.045
13.5	863.447	870.991	857.961	850.417	845.616
14.0	860.704	868.248	854.532	846.302	840.815
14.5	857.275	864.819	850.417	842.187	836.014
15.0	853.846	861.390	846.302	837.386	831.900
15.5	851.103	858.647	842.187	832.585	827.099
16.0	847.673	854.532	838.072	828.470	822.298
16.5	844.244	851.103	833.957	823.670	817.497
17.0	840.815	846.988	829.156	818.183	812.011
17.5	837.386	843.559	824.356	813.382	807.210
18.0	833.271	839.444	819.555	807.896	801.723
18.5	829.842	835.329	814.754	803.095	796.237
19.0	825.727	831.214	809.953	797.609	790.750
19.5	821.612	826.413	805.153	792.122	785.264
20.0	817.497	822.298	799.666	786.635	779.777
20.5	813.382	817.497	794.179	780.463	773.605
21.0	808.582	812.697	789.379	774.291	767.432
21.5	804.467	807.896	783.892	768.118	761.260
22.0	799.666	803.095	778.406	761.946	754.402
22.5	795.551	798.294	772.919	755.774	747.544
23.0	790.750	793.494	766.747	748.915	741.371
23.5	785.950	788.007	761.260	742.743	733.827
24.0	780.463	783.206	755.774	735.885	726.969
24.5	775.662	777.720	749.601	729.027	720.111
25.0	770.176	772.233	743.429	722.854	713.253
25.5	765.375	766.061	737.942	715.996	706.395
26.0	759.203	760.574	731.084	708.452	699.536
26.5	753.716	754.402	724.912	701.594	692.678

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CANDELA TABULATION - (Cont.)

27.0	747.544	748.915	718.739	695.421	685.751
27.5	742.057	742.743	711.881	688.563	678.687
28.0	735.885	736.571	705.709	681.088	671.898
28.5	729.712	730.398	698.851	674.298	664.971
29.0	723.540	723.540	691.992	667.440	658.181
29.5	715.996	717.368	684.997	660.376	650.843
30.0	709.824	710.509	678.002	653.655	643.642
30.5	703.651	703.651	670.732	646.317	636.441
31.0	696.793	696.793	663.394	639.253	629.308
31.5	689.935	689.935	656.055	631.777	621.627
32.0	683.282	682.871	648.717	624.233	614.220
32.5	676.493	675.327	641.242	616.552	606.951
33.0	669.703	668.057	633.766	608.871	599.132
33.5	662.776	660.582	626.222	601.053	591.725
34.0	655.781	653.038	618.404	593.234	583.633
34.5	648.717	645.425	610.928	585.279	575.814
35.0	641.859	637.950	603.179	577.186	567.790
35.5	634.658	630.474	595.360	569.368	559.423
36.0	627.319	622.656	587.748	561.138	550.988
36.5	620.530	615.043	579.861	552.908	542.141
37.0	613.054	607.431	571.768	544.678	533.362
37.5	605.648	599.818	563.813	536.380	524.652
38.0	598.446	592.068	555.720	528.081	515.942
38.5	590.971	584.524	547.764	519.509	508.673
39.0	583.358	576.912	539.946	511.622	501.540
39.5	575.746	569.368	532.059	504.969	493.242
40.0	567.996	561.892	524.104	497.425	485.149
40.5	560.383	554.348	516.422	489.333	477.331
41.0	552.908	546.941	510.387	481.514	469.787
41.5	545.227	539.466	503.117	473.970	462.448
42.0	537.683	531.853	496.328	466.563	455.384
42.5	530.002	524.378	488.852	459.499	448.526
43.0	522.595	516.765	481.651	452.573	441.874
43.5	515.462	510.867	474.519	445.783	435.290
44.0	509.221	504.078	467.523	439.130	428.843
44.5	503.255	496.877	460.597	432.547	422.328
45.0	495.779	489.813	453.738	426.100	415.881
45.5	488.510	482.406	446.949	419.653	409.503
46.0	481.240	475.067	440.228	413.275	403.056
46.5	474.039	467.798	433.575	406.828	396.747
47.0	466.769	460.665	426.923	400.450	390.369
47.5	459.568	453.533	420.202	393.935	383.991
48.0	452.504	446.400	413.481	387.488	377.681
48.5	445.509	439.336	406.691	381.110	371.371
49.0	438.513	432.272	399.902	374.732	365.131
49.5	431.518	425.346	393.043	368.422	358.958
50.0	424.523	418.350	386.322	362.113	352.786
50.5	417.527	411.355	379.601	355.872	346.682
51.0	410.532	404.428	372.949	349.700	340.578
51.5	403.399	397.501	366.365	343.459	334.474
52.0	396.404	390.437	359.850	337.286	328.371
52.5	389.340	383.579	353.540	331.114	322.335
53.0	382.413	376.721	347.231	325.010	316.232
53.5	375.486	369.931	341.058	318.906	310.128
54.0	368.560	363.210	334.817	312.802	304.093
54.5	361.633	356.558	328.645	306.699	298.057

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CANDELA TABULATION - (Cont.)

55.0	354.775	349.905	322.541	300.663	292.091
55.5	348.054	343.321	316.437	294.697	286.193
56.0	341.401	336.669	310.334	288.867	280.363
56.5	334.817	330.085	304.230	283.038	274.739
57.0	328.371	323.570	298.057	277.277	269.184
57.5	321.924	317.192	291.954	271.585	263.698
58.0	315.614	310.882	285.850	265.892	258.280
58.5	309.305	304.573	279.815	260.269	252.862
59.0	302.995	298.332	273.916	254.714	247.512
59.5	296.754	292.091	267.950	249.296	242.232
60.0	290.650	285.850	262.052	243.946	237.019
60.5	284.478	279.677	256.291	238.597	231.739
61.0	278.374	273.574	250.599	233.316	226.595
61.5	272.202	267.607	244.906	228.035	221.520
62.0	266.098	261.640	239.283	222.891	216.582
62.5	259.994	255.742	233.727	217.816	211.575
63.0	253.959	249.776	228.241	212.741	206.638
63.5	247.924	243.809	222.823	207.666	201.768
64.0	241.889	237.842	217.405	202.728	196.899
64.5	235.853	231.876	212.056	197.722	192.030
65.0	229.818	225.978	206.706	192.784	187.160
65.5	223.852	220.148	201.425	187.777	182.360
66.0	217.885	214.319	196.144	182.840	177.833
66.5	211.918	208.558	190.864	177.902	173.032
67.0	206.089	202.660	185.583	172.964	168.300
67.5	200.191	196.830	180.302	168.094	163.499
68.0	194.293	191.001	175.090	163.225	158.836
68.5	188.463	185.240	169.809	158.424	154.172
69.0	182.634	179.548	164.597	153.692	149.577
69.5	176.736	173.855	159.385	148.960	144.982
70.0	171.043	168.163	154.309	144.297	140.525
70.5	165.351	162.539	149.234	139.702	136.067
71.0	159.659	156.847	144.228	135.107	131.677
71.5	154.104	151.360	139.221	130.649	127.357
72.0	148.549	145.874	134.284	126.191	123.105
72.5	143.062	140.525	129.483	121.802	118.921
73.0	137.575	135.175	124.751	117.481	114.738
73.5	132.089	129.894	120.018	113.160	110.623
74.0	126.671	124.613	115.355	108.908	106.576
74.5	121.322	119.401	110.828	104.793	102.599
75.0	116.041	114.326	106.302	100.678	98.689
75.5	110.828	109.251	101.844	96.632	94.849
76.0	105.616	104.382	97.386	92.586	91.008
76.5	100.541	99.444	93.066	88.608	87.236
77.0	95.466	94.643	88.745	84.767	83.533
77.5	90.528	89.842	84.630	80.927	79.829
78.0	85.659	85.179	80.515	77.223	76.195
78.5	80.858	80.584	76.469	73.520	72.628
79.0	76.195	76.057	72.560	69.954	69.131
79.5	71.531	71.737	68.651	66.387	65.702
80.0	67.073	67.485	64.741	62.821	62.272
80.5	62.684	63.301	61.038	59.392	58.912
81.0	58.432	59.186	57.403	55.963	55.620
81.5	54.248	55.209	53.700	52.602	52.328
82.0	50.202	51.231	50.202	49.310	49.173
82.5	46.224	47.390	46.636	46.087	45.950

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CANDELA TABULATION - (Cont.)

83.0	42.452	43.618	43.207	42.932	42.864
83.5	38.680	39.983	39.846	39.778	39.778
84.0	35.114	36.486	36.554	36.691	36.829
84.5	31.616	33.057	33.399	33.742	33.880
85.0	28.187	29.696	30.313	30.793	30.999
85.5	24.964	26.473	27.296	27.913	28.256
86.0	21.809	23.318	24.347	25.101	25.444
86.5	18.791	20.369	21.466	22.358	22.838
87.0	15.842	17.420	18.654	19.683	20.232
87.5	12.962	14.608	15.980	17.077	17.626
88.0	10.150	11.865	13.305	14.471	15.157
88.5	7.407	9.121	10.630	12.002	12.756
89.0	4.595	6.310	7.887	9.121	9.876
89.5	1.852	3.429	4.458	5.006	5.487
90.0	0.411	1.577	2.400	3.086	3.361
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

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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-L8-835-F-(L5)-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-L8-835-F-(L5)-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	323.47	N.A.	15.80
0-30	665.89	N.A.	32.60
0-40	1043.9	N.A.	51.10
0-60	1686.43	N.A.	82.60
0-80	2007.13	N.A.	98.30
0-90	2041.25	N.A.	100.00
10-90	1956.1	N.A.	95.80
20-40	720.42	N.A.	35.30
20-50	1072.61	N.A.	52.50
40-70	849.15	N.A.	41.60
60-80	320.70	N.A.	15.70
70-80	114.08	N.A.	5.60
80-90	34.12	N.A.	1.70
90-110	0.06	N.A.	0.00
90-120	0.06	N.A.	0.00
90-130	0.06	N.A.	0.00
90-150	0.06	N.A.	0.00
90-180	0.06	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2041.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	85.15
10-20	238.33
20-30	342.41
30-40	378.01
40-50	352.19
50-60	290.34
60-70	206.62
70-80	114.08
80-90	34.12
90-100	0.06
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

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-4-00-L8-835-F-(L5)-DIM-UNV_.IES

UGR TABLE - CORRECTED

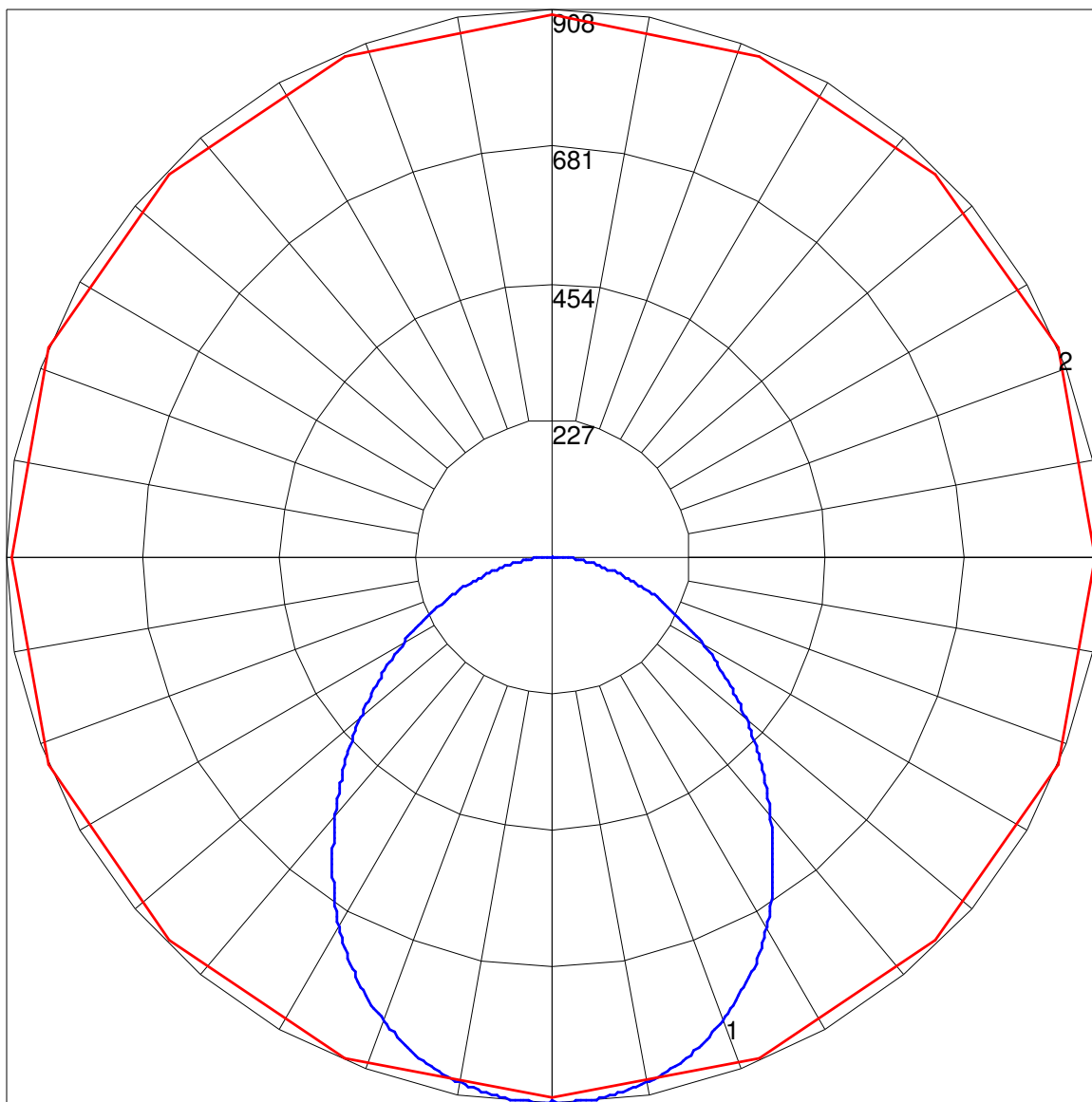
Reflectances

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	19.9	21.5	20.3	21.8	22.1	18.8	20.4	19.2	20.7	21.0
	3H	21.6	23.0	22.0	23.3	23.7	20.4	21.8	20.8	22.2	22.5
	4H	22.2	23.5	22.6	23.9	24.2	21.0	22.3	21.4	22.7	23.1
	6H	22.6	23.8	23.0	24.2	24.6	21.5	22.7	21.9	23.1	23.5
	8H	22.7	23.9	23.1	24.3	24.7	21.7	22.8	22.1	23.2	23.6
	12H	22.8	23.9	23.2	24.3	24.7	21.8	22.9	22.2	23.3	23.7
4H	2H	20.4	21.7	20.8	22.1	22.4	19.5	20.8	19.9	21.1	21.5
	3H	22.3	23.4	22.7	23.8	24.2	21.3	22.4	21.7	22.8	23.2
	4H	23.0	24.0	23.4	24.4	24.8	22.0	23.0	22.4	23.4	23.9
	6H	23.5	24.4	24.0	24.9	25.3	22.6	23.5	23.1	23.9	24.4
	8H	23.7	24.5	24.2	25.0	25.4	22.8	23.6	23.3	24.1	24.6
	12H	23.8	24.6	24.3	25.0	25.5	23.0	23.7	23.5	24.2	24.7
8H	4H	23.2	24.0	23.7	24.5	24.9	22.3	23.2	22.8	23.6	24.1
	6H	23.9	24.6	24.4	25.0	25.5	23.1	23.7	23.6	24.2	24.7
	8H	24.1	24.7	24.6	25.2	25.7	23.4	24.0	23.9	24.5	25.0
	12H	24.3	24.9	24.8	25.3	25.9	23.6	24.2	24.1	24.7	25.2
12H	4H	23.2	24.0	23.7	24.4	24.9	22.4	23.1	22.9	23.6	24.1
	6H	23.9	24.5	24.4	25.0	25.5	23.1	23.8	23.6	24.2	24.7
	8H	24.2	24.8	24.7	25.2	25.8	23.5	24.0	24.0	24.5	25.1

Maximum UGR = 25.9

POLAR GRAPH



Maximum Candela = 908.026 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.)