



IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L4-935-R-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN from UL #13052732.21
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 6/20/2025
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO
[LUMCAT] MX2D-4-00-L4-935-R-DIM-UNV
[LUMINAIRE] Formed White aluminum housing, frosted lens enclosure
[LAMP] 144 White LEDs
[BALLAST] One Philips XI040C110V054BST1 Driver
[OTHER] 24.8 C, 120.018 V, 0.225756 A, 26.9244 W, 0.993712 PF, 60 Hz
[OTHER] This test was performed using the calibrated photodetector method
[MORE] of absolute photometry.
[SEARCH_SOURCE TYPE] LED
[SEARCH_APPLICATION] Indoor, Architectural, Direct, Direct-Indirect, Indirect, Linear
[SEARCH_MOUNTING] Suspended

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1280
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	12.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	0.92
Spacing Criterion (Diagonal)	1.10
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.17 ft
Luminous Height	0.00 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8690	6016	4684
55	7820	4734	3690
65	6846	3640	2856
75	5646	2736	2530
85	4027	2257	2167

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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	690.186	690.186	690.186	690.186	690.186
0.5	686.275	693.118	688.719	690.186	689.208
1.0	686.275	692.630	688.230	689.697	688.719
1.5	686.275	692.141	687.742	688.719	688.230
2.0	685.786	692.141	686.764	687.742	687.253
2.5	685.298	691.163	686.275	687.253	686.275
3.0	684.809	690.674	685.298	686.275	685.298
3.5	684.320	689.697	684.320	684.809	683.831
4.0	683.831	689.208	682.854	683.342	681.876
4.5	682.854	688.230	681.876	681.387	678.943
5.0	681.876	686.764	679.921	678.943	676.499
5.5	681.387	685.786	678.454	676.499	674.055
6.0	679.921	684.320	676.010	673.566	671.122
6.5	678.943	682.854	674.055	670.634	668.190
7.0	677.966	681.387	671.611	667.701	664.768
7.5	676.499	679.921	669.167	664.279	661.346
8.0	675.033	678.454	666.234	660.858	657.436
8.5	673.566	676.499	663.790	657.436	654.014
9.0	672.100	674.544	660.858	653.526	649.615
9.5	670.145	672.100	657.925	649.615	645.216
10.0	668.678	670.145	654.503	645.705	640.328
10.5	666.723	667.701	651.570	641.306	635.440
11.0	664.768	665.257	648.149	636.418	630.552
11.5	662.813	662.813	644.238	632.018	625.175
12.0	660.858	659.880	640.328	626.642	619.798
12.5	658.414	657.436	636.418	621.754	614.422
13.0	656.458	654.992	632.507	616.377	608.556
13.5	654.014	652.059	628.108	611.000	603.179
14.0	651.570	649.126	623.709	605.623	596.825
14.5	649.126	645.705	619.310	599.758	590.959
15.0	646.682	642.772	614.422	594.381	584.605
15.5	644.238	639.350	610.022	588.026	578.250
16.0	641.306	635.929	605.134	582.161	571.896
16.5	638.373	632.507	600.246	576.295	565.542
17.0	635.440	629.086	594.870	569.941	558.698
17.5	632.507	625.175	589.982	563.586	552.344
18.0	630.063	621.754	584.605	557.232	545.501
18.5	626.642	617.843	579.228	550.878	539.146
19.0	623.709	613.933	573.362	544.523	531.814
19.5	620.776	610.022	568.474	538.169	525.460
20.0	617.354	605.623	562.609	531.326	518.617
20.5	613.933	601.713	557.232	524.971	511.774
21.0	610.022	597.314	551.366	518.128	504.930
21.5	606.601	592.914	545.501	511.285	497.598
22.0	603.179	588.515	540.124	504.930	490.755
22.5	599.758	584.116	534.258	498.087	483.912
23.0	595.847	579.228	528.393	491.244	476.727
23.5	591.937	574.829	522.527	484.645	469.737
24.0	588.026	569.941	516.173	477.851	462.942
24.5	584.116	565.053	510.307	471.057	455.708
25.0	580.694	560.654	504.442	464.213	448.572
25.5	576.295	555.277	498.576	457.566	441.631
26.0	572.385	550.389	492.222	450.771	434.494
26.5	567.986	545.501	486.356	444.075	427.847

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CANDELA TABULATION - (Cont.)

27.0	563.586	540.124	480.295	437.427	421.101
27.5	559.187	535.236	473.989	430.682	414.160
28.0	554.788	529.859	468.026	423.790	407.317
28.5	550.389	524.482	461.769	416.898	400.474
29.0	545.990	519.106	455.464	410.348	393.728
29.5	541.102	513.729	449.207	403.553	386.885
30.0	536.214	508.352	442.853	397.101	380.189
30.5	531.326	502.486	436.450	390.307	373.981
31.0	526.926	497.110	430.095	383.610	368.115
31.5	522.038	491.733	423.692	377.158	361.223
32.0	517.150	485.721	417.386	371.439	354.722
32.5	512.262	480.050	410.836	364.743	348.661
33.0	507.374	474.380	404.629	358.290	342.404
33.5	502.486	468.808	398.274	352.083	335.952
34.0	497.598	462.942	391.920	346.364	329.500
34.5	492.710	457.224	385.614	339.912	322.999
35.0	487.725	451.211	379.455	333.459	316.596
35.5	482.739	445.492	373.736	327.154	310.192
36.0	477.704	439.676	368.018	320.897	303.789
36.5	472.474	433.761	361.859	314.689	297.630
37.0	467.537	428.042	355.749	308.531	291.471
37.5	462.209	422.128	350.225	302.421	285.361
38.0	456.881	416.311	344.653	296.311	279.398
38.5	451.456	410.543	338.592	290.249	273.435
39.0	446.079	404.629	332.628	284.237	267.569
39.5	440.702	398.910	326.714	278.372	261.801
40.0	435.570	393.093	320.799	272.604	256.229
40.5	430.095	387.374	314.934	266.885	250.754
41.0	424.621	381.557	309.019	261.264	245.378
41.5	419.097	375.692	303.252	255.691	240.099
42.0	413.671	370.755	297.435	250.217	234.868
42.5	408.392	365.134	291.814	244.840	229.687
43.0	402.869	359.366	286.192	239.659	224.750
43.5	397.492	354.087	280.620	234.575	219.911
44.0	392.066	348.954	275.146	229.589	215.121
44.5	386.885	343.235	269.671	224.652	210.428
45.0	381.704	337.516	264.245	219.764	205.736
45.5	376.327	331.846	258.917	214.974	201.288
46.0	371.341	326.274	253.687	210.331	196.791
46.5	366.160	320.751	248.506	205.687	192.441
47.0	361.810	315.178	243.374	201.239	188.237
47.5	357.655	309.655	238.290	196.742	184.082
48.0	352.376	304.131	233.304	192.343	180.025
48.5	347.146	298.706	228.270	187.992	176.066
49.0	341.867	293.329	223.333	183.740	172.204
49.5	336.637	287.952	218.494	179.585	168.392
50.0	331.406	282.673	213.703	175.528	164.726
50.5	326.176	277.296	208.962	171.569	161.108
51.0	320.848	272.017	204.270	167.658	157.589
51.5	315.472	266.689	199.626	163.748	154.119
52.0	310.144	261.459	195.031	159.984	150.697
52.5	304.816	256.229	190.534	156.269	147.324
53.0	299.586	251.097	186.086	152.652	144.098
53.5	294.306	245.915	181.687	149.133	140.872
54.0	289.027	240.832	177.288	145.662	137.695
54.5	283.797	235.699	172.986	142.192	134.567

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CANDELA TABULATION - (Cont.)

55.0	278.616	230.616	168.685	138.819	131.487
55.5	273.386	225.630	164.481	135.495	128.408
56.0	268.302	220.693	160.326	132.269	125.426
56.5	263.219	215.707	156.220	129.092	122.493
57.0	258.233	210.819	152.163	125.964	119.609
57.5	253.198	205.883	148.155	122.884	116.677
58.0	248.213	201.043	144.196	119.756	113.793
58.5	243.227	196.253	140.334	116.725	110.958
59.0	238.241	191.512	136.522	113.744	108.123
59.5	233.402	186.819	132.807	110.811	105.336
60.0	228.465	182.127	129.141	107.927	102.550
60.5	223.577	177.483	125.573	105.043	99.764
61.0	218.640	172.840	121.956	102.159	97.027
61.5	213.752	168.294	118.485	99.324	94.192
62.0	208.815	163.797	115.015	96.489	91.406
62.5	203.927	159.300	111.691	93.654	88.619
63.0	199.088	154.852	108.367	90.868	85.784
63.5	194.200	150.404	105.092	88.033	82.754
64.0	189.361	146.005	101.866	85.247	79.723
64.5	184.571	141.654	98.689	82.363	77.230
65.0	179.732	137.353	95.560	79.381	74.982
65.5	174.990	133.198	92.530	76.351	72.636
66.0	170.249	128.945	89.499	73.760	70.143
66.5	165.605	124.840	86.469	71.463	68.188
67.0	160.864	120.685	83.536	69.116	66.575
67.5	156.220	116.628	80.554	66.623	64.913
68.0	151.626	112.620	77.621	64.473	63.300
68.5	147.129	108.660	74.689	62.811	61.638
69.0	142.632	104.799	71.805	61.198	59.976
69.5	138.135	100.888	68.921	59.536	58.363
70.0	133.638	97.027	65.988	57.874	56.701
70.5	129.190	93.263	63.006	56.212	55.039
71.0	124.840	89.499	60.074	54.501	53.426
71.5	120.489	85.833	57.678	52.839	51.764
72.0	116.139	82.265	55.283	51.177	50.200
72.5	111.886	78.648	52.839	49.515	48.587
73.0	107.536	75.080	50.884	47.902	46.974
73.5	103.283	71.609	49.124	46.240	45.361
74.0	99.080	68.139	47.414	44.579	43.796
74.5	94.876	64.815	45.654	42.966	42.232
75.0	90.770	61.540	43.992	41.352	40.668
75.5	86.713	58.314	42.281	39.788	39.104
76.0	82.705	55.137	40.522	38.175	37.540
76.5	78.648	51.959	38.860	36.611	36.025
77.0	74.689	48.880	37.149	35.047	34.509
77.5	70.827	45.849	35.487	33.483	32.994
78.0	67.063	42.868	33.825	31.968	31.528
78.5	63.348	39.935	32.163	30.452	30.012
79.0	59.634	37.051	30.550	28.937	28.546
79.5	56.016	34.314	28.888	27.422	27.080
80.0	52.497	31.919	27.275	25.955	25.613
80.5	49.076	29.572	25.711	24.440	24.196
81.0	45.703	27.666	24.147	22.974	22.729
81.5	42.428	25.858	22.583	21.556	21.312
82.0	39.251	24.049	21.067	20.090	19.943
82.5	36.122	22.192	19.552	18.672	18.526

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CANDELA TABULATION - (Cont.)

83.0	33.092	20.432	18.037	17.255	17.108
83.5	30.159	18.672	16.521	15.837	15.739
84.0	27.324	16.961	15.104	14.468	14.420
84.5	24.538	15.299	13.638	13.100	13.051
85.0	21.800	13.686	12.220	11.731	11.731
85.5	19.112	12.073	10.851	10.411	10.411
86.0	16.473	10.460	9.483	9.092	9.141
86.5	13.931	8.945	8.114	7.772	7.870
87.0	11.487	7.479	6.794	6.501	6.599
87.5	9.043	6.061	5.523	5.230	5.377
88.0	6.648	4.692	4.253	4.008	4.155
88.5	4.301	3.324	2.982	2.786	2.933
89.0	2.444	2.053	1.857	1.906	2.053
89.5	1.124	1.075	1.124	1.271	1.418
90.0	0.342	0.489	0.538	0.587	0.733
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
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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-4-00-L4-935-R-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	237.19	N.A.	18.50
0-30	471.76	N.A.	36.90
0-40	716.40	N.A.	56.00
0-60	1098.5	N.A.	85.80
0-80	1264.71	N.A.	98.80
0-90	1280.13	N.A.	100.00
10-90	1215.9	N.A.	95.00
20-40	479.22	N.A.	37.40
20-50	694.69	N.A.	54.30
40-70	491.69	N.A.	38.40
60-80	166.22	N.A.	13.00
70-80	56.62	N.A.	4.40
80-90	15.42	N.A.	1.20
90-110	0.01	N.A.	0.00
90-120	0.01	N.A.	0.00
90-130	0.01	N.A.	0.00
90-150	0.01	N.A.	0.00
90-180	0.01	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1280.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	64.23
10-20	172.96
20-30	234.57
30-40	244.64
40-50	215.48
50-60	166.62
60-70	109.60
70-80	56.62
80-90	15.42
90-100	0.01
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-L4-935-R-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	58	58	58	58	57	57	57	57	54	54	54	52	52	52	50	50	50	49
1	54	52	50	48	53	51	49	47	49	47	46	47	46	45	45	44	43	42
2	50	46	43	40	48	45	42	40	43	41	39	42	40	38	40	39	37	36
3	46	41	37	35	44	40	37	34	39	36	34	38	35	33	36	34	33	32
4	42	37	33	30	41	36	33	30	35	32	29	34	31	29	33	31	29	28
5	39	33	29	26	38	33	29	26	32	28	26	31	28	26	30	27	25	24
6	36	30	26	23	35	30	26	23	29	26	23	28	25	23	28	25	23	22
7	34	28	24	21	33	27	24	21	27	23	21	26	23	21	25	23	21	20
8	32	26	22	19	31	25	22	19	25	21	19	24	21	19	23	21	19	18
9	30	24	20	17	29	23	20	17	23	20	17	22	19	17	22	19	17	16
10	28	22	18	16	27	22	18	16	21	18	16	21	18	16	20	18	16	15

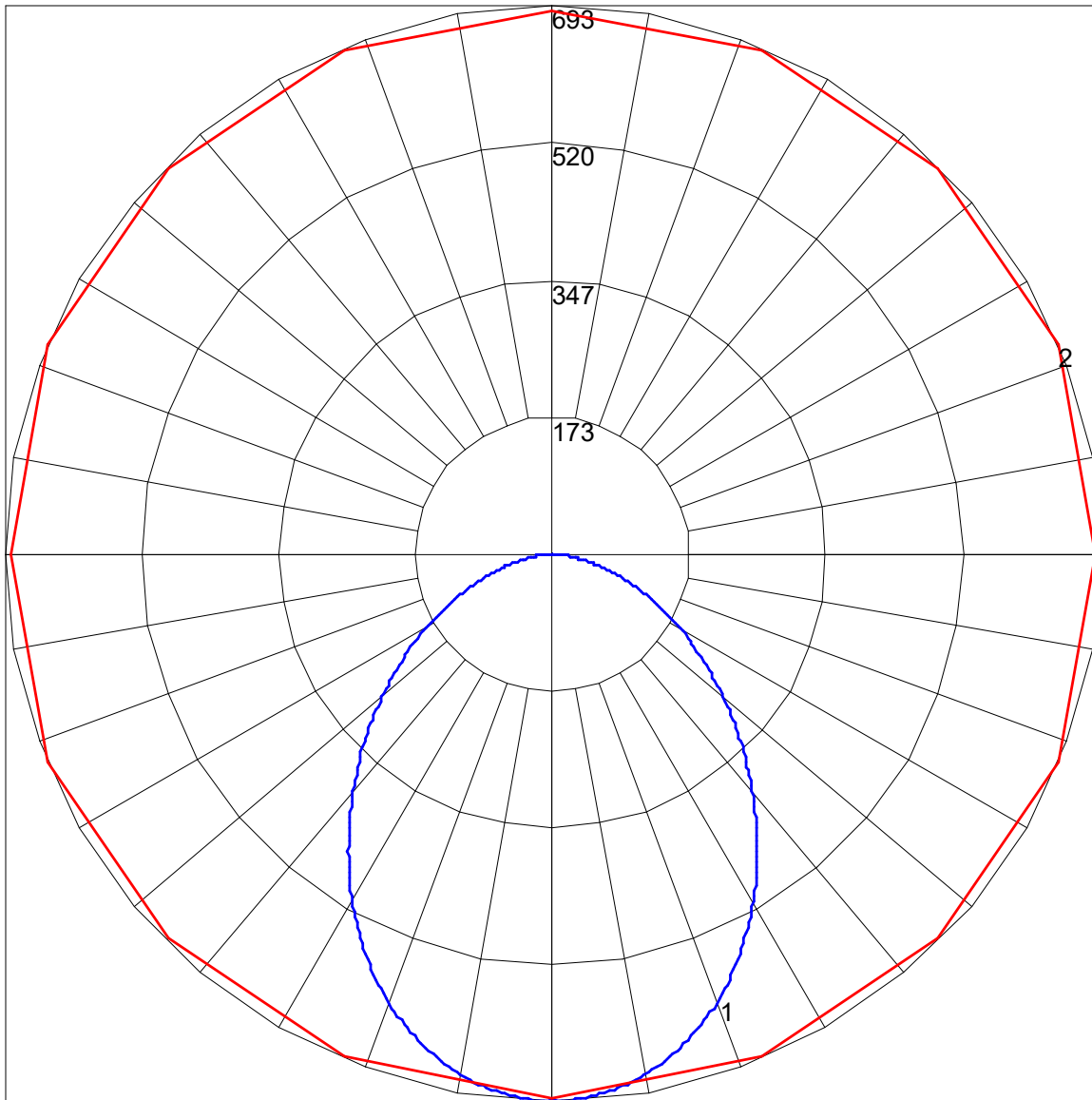
IES INDOOR REPORT
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UGR TABLE - CORRECTED

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	21.4	22.9	21.7	23.2	23.5	17.4	18.9	17.8	19.2	19.6
	3H	23.1	24.4	23.4	24.7	25.1	18.7	20.1	19.1	20.4	20.8
	4H	23.7	24.9	24.1	25.3	25.7	19.3	20.5	19.7	20.9	21.3
	6H	24.1	25.3	24.5	25.7	26.1	19.7	20.9	20.1	21.2	21.6
	8H	24.3	25.4	24.7	25.8	26.2	19.9	21.0	20.3	21.4	21.8
	12H	24.4	25.4	24.8	25.8	26.2	20.0	21.0	20.4	21.4	21.8
4H	2H	21.5	22.7	21.9	23.1	23.5	18.1	19.4	18.5	19.8	20.1
	3H	23.3	24.4	23.8	24.8	25.2	19.6	20.7	20.0	21.1	21.5
	4H	24.1	25.0	24.5	25.4	25.9	20.3	21.2	20.7	21.6	22.1
	6H	24.6	25.4	25.1	25.9	26.3	20.8	21.6	21.3	22.1	22.5
	8H	24.8	25.6	25.3	26.0	26.5	21.0	21.8	21.5	22.2	22.7
	12H	25.0	25.6	25.4	26.1	26.6	21.2	21.8	21.6	22.3	22.8
8H	4H	24.1	24.9	24.6	25.3	25.8	20.6	21.4	21.1	21.8	22.3
	6H	24.7	25.4	25.2	25.8	26.3	21.3	21.9	21.8	22.4	22.9
	8H	24.9	25.5	25.5	26.0	26.5	21.5	22.1	22.1	22.6	23.1
	12H	25.1	25.7	25.6	26.1	26.7	21.8	22.3	22.3	22.8	23.3
12H	4H	24.1	24.8	24.6	25.3	25.7	20.7	21.4	21.2	21.8	22.3
	6H	24.7	25.3	25.2	25.8	26.3	21.4	21.9	21.9	22.4	22.9
	8H	25.0	25.5	25.5	26.0	26.5	21.7	22.2	22.2	22.7	23.2

Maximum UGR = 26.7

POLAR GRAPH



Maximum Candela = 693.118 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.)