



IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2WD-4-00-L4-840-F-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 13012869.06
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 03-16-2022
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] MX2WD-4-00-L4-840-F-DIM-UNV
[LUMINAIRE] Formed White aluminum housing, frosted plastic lens
[LAMP] 144 White LEDs
[BALLAST] One Philips Advance XI040C110V054BST1

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1548
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	13.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.08
Spacing Criterion (Diagonal)	1.24
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 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	8672	7961	7336
55	7707	6954	6315
65	6678	5965	5412
75	5491	5040	4694
85	4063	4408	4426

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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	684.096	684.096	684.096	684.096	684.096
0.5	682.582	684.096	684.096	683.591	687.627
1.0	682.582	684.096	683.591	683.591	687.627
1.5	682.078	684.096	683.591	683.087	687.123
2.0	681.573	683.591	683.087	682.582	686.618
2.5	681.573	683.591	683.087	682.078	686.114
3.0	681.069	683.087	682.582	681.573	685.105
3.5	680.564	682.582	682.078	681.069	684.096
4.0	679.555	682.078	681.573	680.060	683.591
4.5	679.051	681.069	681.069	679.555	682.078
5.0	678.042	680.564	680.060	678.546	681.573
5.5	677.537	679.555	679.051	677.537	680.060
6.0	676.528	678.546	678.042	676.024	679.051
6.5	675.519	677.537	677.033	674.510	677.537
7.0	674.006	676.528	675.519	672.997	676.024
7.5	672.997	675.015	674.006	671.483	674.510
8.0	671.483	673.501	672.492	669.970	672.997
8.5	670.474	672.492	670.979	667.952	670.979
9.0	668.961	670.474	668.961	665.934	668.456
9.5	667.447	668.961	666.943	663.411	666.438
10.0	665.429	667.447	664.925	661.393	663.916
10.5	663.916	665.429	662.402	658.871	660.889
11.0	661.898	663.411	660.384	656.348	658.366
11.5	659.880	661.393	657.862	653.321	655.339
12.0	657.862	659.375	655.339	650.294	651.808
12.5	655.844	657.357	652.817	647.267	648.781
13.0	653.826	654.835	650.294	644.241	645.250
13.5	651.303	652.817	647.267	640.709	641.718
14.0	649.285	650.294	644.241	637.682	638.187
14.5	646.763	647.772	641.214	634.151	634.655
15.0	644.241	644.745	638.187	630.619	631.124
15.5	641.718	642.223	635.160	626.583	627.088
16.0	639.196	639.196	631.628	623.052	623.052
16.5	636.169	636.673	628.601	619.016	619.016
17.0	633.142	633.646	625.070	614.980	614.980
17.5	630.619	630.619	621.538	610.944	610.439
18.0	627.592	627.088	617.502	606.908	606.403
18.5	624.565	624.061	613.971	602.367	601.863
19.0	621.034	620.529	609.935	598.331	597.322
19.5	618.007	616.998	605.899	593.791	592.782
20.0	614.475	613.466	601.863	589.251	588.242
20.5	610.944	609.935	597.827	584.710	583.197
21.0	607.412	606.403	593.286	580.170	578.656
21.5	604.385	602.872	589.251	575.629	573.611
22.0	600.349	598.836	584.710	570.584	568.566
22.5	596.818	594.800	580.170	566.044	563.521
23.0	593.286	590.764	576.134	560.999	558.476
23.5	589.251	586.728	571.593	555.954	553.431
24.0	585.215	582.692	567.053	550.909	548.386
24.5	581.683	578.152	562.008	545.864	542.837
25.0	577.647	574.116	557.467	540.819	537.792
25.5	573.107	569.575	552.422	535.774	532.243
26.0	569.071	565.035	547.882	530.729	527.198
26.5	564.530	560.494	542.837	525.180	521.648

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CANDELA TABULATION - (Cont.)

27.0	560.494	555.954	538.297	519.630	516.603
27.5	555.954	551.413	533.252	514.585	511.054
28.0	551.413	546.873	528.207	509.036	505.504
28.5	546.873	542.332	523.162	504.041	500.258
29.0	542.837	537.288	518.117	498.694	494.759
29.5	537.792	532.747	513.072	493.396	489.260
30.0	533.252	527.702	508.027	487.998	483.761
30.5	528.711	523.162	502.629	482.752	478.262
31.0	524.171	518.117	497.432	477.404	472.763
31.5	519.630	513.072	492.186	472.107	467.364
32.0	514.585	508.027	486.989	466.759	461.865
32.5	510.045	503.285	481.743	461.361	456.366
33.0	505.000	498.240	476.496	456.013	450.918
33.5	500.308	493.245	471.249	450.514	445.419
34.0	495.364	488.150	466.002	445.066	440.021
34.5	490.470	483.105	460.705	439.617	434.623
35.0	485.425	477.959	455.458	434.169	429.174
35.5	480.380	472.813	450.262	428.720	423.827
36.0	475.335	467.617	445.015	423.272	418.328
36.5	470.139	462.420	439.718	417.873	412.980
37.0	464.892	457.224	434.370	412.475	407.531
37.5	459.747	451.876	429.124	407.128	402.133
38.0	454.550	446.630	423.827	401.679	396.786
38.5	449.203	441.333	418.479	396.332	391.438
39.0	443.905	436.136	413.182	391.034	385.989
39.5	438.709	430.789	407.834	385.737	380.642
40.0	433.361	425.542	402.537	380.389	375.345
40.5	428.165	420.245	397.240	375.092	369.946
41.0	422.918	414.947	391.942	369.846	364.498
41.5	417.621	409.701	386.645	364.548	359.100
42.0	412.374	404.403	381.298	359.352	353.803
42.5	407.178	399.157	376.000	354.105	348.455
43.0	401.931	393.809	370.804	348.808	343.158
43.5	396.735	388.512	365.456	343.511	337.760
44.0	391.387	383.114	360.210	338.264	332.563
44.5	386.090	377.817	354.912	333.068	327.317
45.0	380.894	372.469	349.666	327.872	322.221
45.5	375.647	367.071	344.419	322.625	317.025
46.0	370.300	361.673	339.172	317.479	311.879
46.5	364.952	356.375	333.875	312.384	306.834
47.0	359.604	350.977	328.628	307.288	301.789
47.5	354.156	345.731	323.382	302.243	296.795
48.0	348.758	340.333	318.286	297.249	291.901
48.5	343.410	335.035	313.090	292.305	286.957
49.0	337.961	329.688	307.893	287.361	282.114
49.5	332.614	324.390	302.748	282.416	277.271
50.0	327.165	319.194	297.602	277.573	272.427
50.5	321.918	313.947	292.557	272.730	267.584
51.0	316.520	308.751	287.461	267.937	262.842
51.5	311.223	303.605	282.416	263.145	257.999
52.0	305.876	298.409	277.372	258.352	253.257
52.5	300.629	293.263	272.377	253.610	248.464
53.0	295.332	288.168	267.383	248.817	243.722
53.5	290.085	283.022	262.438	244.125	238.979
54.0	284.889	277.826	257.545	239.383	234.288
54.5	279.743	272.680	252.651	234.742	229.646

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CANDELA TABULATION - (Cont.)

55.0	274.597	267.584	247.758	230.050	225.005
55.5	269.451	262.539	243.015	225.509	220.464
56.0	264.305	257.444	238.223	220.919	215.924
56.5	259.159	252.349	233.380	216.328	211.434
57.0	254.013	247.304	228.637	211.838	207.095
57.5	248.918	242.309	223.895	207.348	202.757
58.0	243.873	237.315	219.153	203.059	198.468
58.5	238.828	232.320	214.461	198.721	194.281
59.0	233.733	227.376	209.820	194.382	190.094
59.5	228.688	222.533	205.178	190.094	185.907
60.0	223.643	217.639	200.537	185.856	181.719
60.5	218.598	212.796	195.946	181.719	177.633
61.0	213.654	208.104	191.406	177.582	173.546
61.5	208.760	203.362	186.966	173.445	169.510
62.0	203.867	198.620	182.426	169.359	165.525
62.5	198.923	193.878	178.036	165.374	161.489
63.0	194.130	189.236	173.647	161.338	157.554
63.5	189.337	184.595	169.309	157.352	153.619
64.0	184.645	179.953	165.071	153.367	149.734
64.5	179.953	175.312	160.884	149.482	145.850
65.0	175.312	170.772	156.595	145.648	142.066
65.5	170.671	166.181	152.408	141.814	138.232
66.0	166.029	161.590	148.322	137.879	134.498
66.5	161.388	157.049	144.235	134.145	130.866
67.0	156.848	152.559	140.149	130.362	127.183
67.5	152.358	148.120	136.113	126.729	123.652
68.0	147.716	143.680	132.077	123.046	120.171
68.5	143.226	139.241	128.142	119.464	116.690
69.0	138.686	134.902	124.207	115.933	113.259
69.5	134.196	130.563	120.272	112.452	109.778
70.0	129.706	126.225	116.387	108.971	106.650
70.5	125.266	122.037	112.603	105.793	103.472
71.0	120.877	117.850	108.820	102.614	100.193
71.5	116.639	113.764	105.440	99.285	96.964
72.0	112.402	109.576	101.757	96.005	93.786
72.5	108.113	105.641	98.124	92.777	90.506
73.0	104.330	101.858	94.542	89.497	87.379
73.5	100.193	97.923	91.011	86.319	84.200
74.0	96.157	93.987	87.530	83.141	81.325
74.5	92.171	90.153	84.150	80.366	78.499
75.0	88.287	86.319	81.022	77.289	75.473
75.5	84.352	82.586	77.793	74.161	72.496
76.0	80.871	79.105	74.514	71.134	69.570
76.5	77.036	75.372	71.235	68.107	66.694
77.0	73.303	71.689	68.056	65.130	63.819
77.5	69.570	68.107	64.929	62.255	61.044
78.0	65.887	64.575	61.851	59.329	58.320
78.5	62.255	61.094	58.774	56.503	55.595
79.0	58.723	57.714	55.797	53.729	52.922
79.5	55.242	54.334	52.821	51.004	50.248
80.0	51.812	51.105	49.895	48.331	47.675
80.5	48.432	47.978	47.069	45.707	45.152
81.0	45.152	44.850	44.244	43.134	42.630
81.5	41.974	41.873	41.520	40.612	40.158
82.0	38.846	38.947	38.796	38.089	37.736
82.5	35.819	36.071	36.172	35.668	35.315

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CANDELA TABULATION - (Cont.)

83.0	32.843	33.297	33.599	33.246	32.944
83.5	30.017	30.572	31.077	30.926	30.623
84.0	27.243	27.949	28.605	28.605	28.353
84.5	24.569	25.427	26.183	26.335	26.133
85.0	21.996	22.904	23.863	24.115	23.964
85.5	19.524	20.483	21.542	21.895	21.794
86.0	17.153	18.162	19.322	19.776	19.726
86.5	14.832	15.841	17.153	17.657	17.708
87.0	12.612	13.621	15.034	15.690	15.740
87.5	10.443	11.452	12.966	13.722	13.823
88.0	8.274	9.384	10.948	11.250	11.099
88.5	6.256	7.416	8.677	8.980	8.980
89.0	4.944	6.003	7.265	7.719	7.769
89.5	3.834	4.944	6.054	6.609	6.760
90.0	2.724	3.935	5.045	5.549	5.701
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 : MX2WD-4-00-L4-840-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 : MX2WD-4-00-L4-840-F-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	243.78	N.A.	15.70
0-30	500.04	N.A.	32.30
0-40	785.14	N.A.	50.70
0-60	1278.17	N.A.	82.50
0-80	1521.63	N.A.	98.30
0-90	1548.31	N.A.	100.00
10-90	1483.91	N.A.	95.80
20-40	541.36	N.A.	35.00
20-50	811.65	N.A.	52.40
40-70	649.75	N.A.	42.00
60-80	243.45	N.A.	15.70
70-80	86.74	N.A.	5.60
80-90	26.69	N.A.	1.70
90-110	0.13	N.A.	0.00
90-120	0.13	N.A.	0.00
90-130	0.13	N.A.	0.00
90-150	0.13	N.A.	0.00
90-180	0.13	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1548.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	64.41
10-20	179.38
20-30	256.25
30-40	285.11
40-50	270.29
50-60	222.74
60-70	156.71
70-80	86.74
80-90	26.69
90-100	0.13
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 : MX2WD-4-00-L4-840-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	80	98	90	85	79	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	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47
6	72	59	51	45	70	59	50	44	57	49	44	55	49	44	54	48	43	41
7	67	54	46	40	66	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	38	32	44	37	32	43	37	32	42	36	32	30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2WD-4-00-L4-840-F-DIM-UNV_.IES

UGR TABLE - CORRECTED

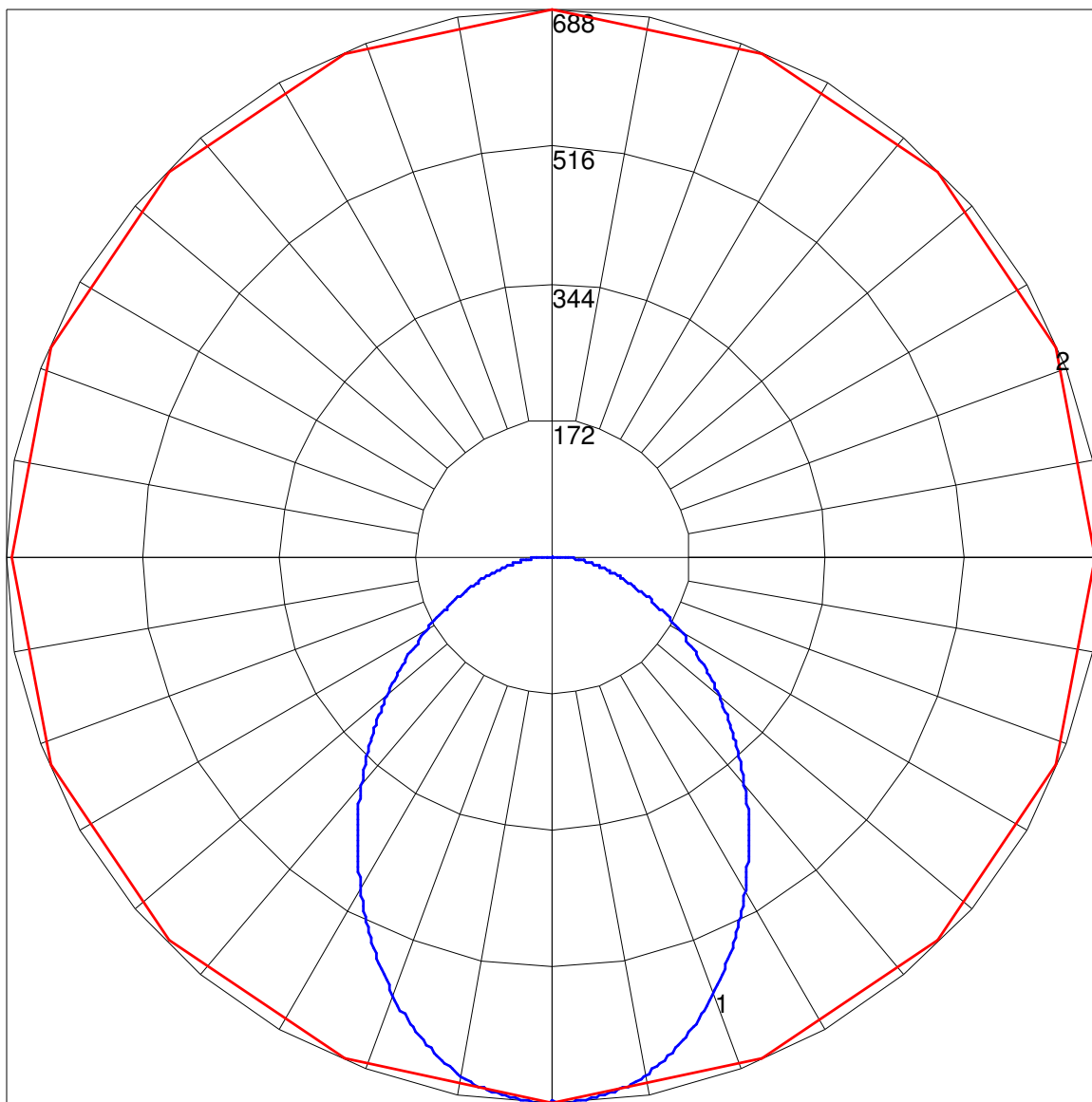
Reflectances

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	18.9	20.5	19.3	20.8	21.1	17.8	19.4	18.2	19.7	20.0
	3H	20.6	22.0	20.9	22.3	22.7	19.4	20.8	19.8	21.1	21.5
	4H	21.1	22.5	21.5	22.8	23.2	20.0	21.3	20.4	21.7	22.0
	6H	21.6	22.8	22.0	23.2	23.6	20.5	21.7	20.9	22.1	22.5
	8H	21.7	22.9	22.1	23.3	23.7	20.6	21.8	21.1	22.2	22.6
	12H	21.8	22.9	22.2	23.3	23.7	20.8	21.9	21.2	22.3	22.7
4H	2H	19.4	20.7	19.8	21.1	21.4	18.5	19.8	18.9	20.1	20.5
	3H	21.2	22.3	21.6	22.7	23.1	20.3	21.4	20.7	21.8	22.2
	4H	22.0	23.0	22.4	23.4	23.8	21.0	22.0	21.4	22.4	22.8
	6H	22.5	23.4	23.0	23.8	24.3	21.6	22.5	22.1	22.9	23.4
	8H	22.7	23.5	23.2	23.9	24.4	21.8	22.6	22.3	23.1	23.5
	12H	22.8	23.5	23.3	24.0	24.5	22.0	22.7	22.5	23.2	23.7
8H	4H	22.2	23.0	22.6	23.4	23.9	21.3	22.1	21.8	22.6	23.0
	6H	22.8	23.5	23.3	24.0	24.5	22.1	22.7	22.5	23.2	23.7
	8H	23.1	23.7	23.6	24.2	24.7	22.3	23.0	22.9	23.5	24.0
	12H	23.3	23.8	23.8	24.3	24.9	22.6	23.2	23.1	23.7	24.2
12H	4H	22.2	22.9	22.7	23.4	23.9	21.4	22.1	21.8	22.6	23.0
	6H	22.9	23.5	23.4	24.0	24.5	22.1	22.7	22.6	23.2	23.7
	8H	23.2	23.7	23.7	24.2	24.8	22.5	23.0	23.0	23.5	24.1

Maximum UGR = 24.9

POLAR GRAPH



Maximum Candela = 687.627 Located At Horizontal Angle = 90, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)