



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2WD-2-00-L8-835-F-(L5)-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 13012869.06
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 03-12-2024
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] MX2WD-2-00-L8-835-F-(L5)-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	1015
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	8.7
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)	2.00 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	11370	10438	9618
55	10105	9117	8280
65	8756	7821	7095
75	7200	6608	6155
85	5327	5779	5804

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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	448.465	448.465	448.465	448.465	448.465
0.5	447.473	448.465	448.465	448.135	450.780
1.0	447.473	448.465	448.135	448.135	450.780
1.5	447.142	448.465	448.135	447.804	450.450
2.0	446.812	448.135	447.804	447.473	450.119
2.5	446.812	448.135	447.804	447.142	449.788
3.0	446.481	447.804	447.473	446.812	449.127
3.5	446.150	447.473	447.142	446.481	448.465
4.0	445.489	447.142	446.812	445.819	448.135
4.5	445.158	446.481	446.481	445.489	447.142
5.0	444.497	446.150	445.819	444.827	446.812
5.5	444.166	445.489	445.158	444.166	445.819
6.0	443.504	444.827	444.497	443.174	445.158
6.5	442.843	444.166	443.835	442.181	444.166
7.0	441.851	443.504	442.843	441.189	443.174
7.5	441.189	442.512	441.851	440.197	442.181
8.0	440.197	441.520	440.859	439.205	441.189
8.5	439.536	440.859	439.866	437.882	439.866
9.0	438.543	439.536	438.543	436.559	438.213
9.5	437.551	438.543	437.221	434.905	436.890
10.0	436.228	437.551	435.898	433.583	435.236
10.5	435.236	436.228	434.244	431.929	433.252
11.0	433.913	434.905	432.921	430.275	431.598
11.5	432.590	433.583	431.267	428.291	429.614
12.0	431.267	432.260	429.614	426.307	427.299
12.5	429.945	430.937	427.960	424.322	425.314
13.0	428.622	429.283	426.307	422.338	422.999
13.5	426.968	427.960	424.322	420.023	420.684
14.0	425.645	426.307	422.338	418.038	418.369
14.5	423.991	424.653	420.354	415.723	416.054
15.0	422.338	422.669	418.369	413.408	413.739
15.5	420.684	421.015	416.385	410.762	411.093
16.0	419.031	419.031	414.070	408.447	408.447
16.5	417.046	417.377	412.085	405.802	405.802
17.0	415.062	415.393	409.770	403.156	403.156
17.5	413.408	413.408	407.455	400.510	400.179
18.0	411.424	411.093	404.809	397.864	397.533
18.5	409.440	409.109	402.494	394.888	394.557
19.0	407.124	406.794	399.848	392.242	391.580
19.5	405.140	404.479	397.203	389.265	388.604
20.0	402.825	402.164	394.557	386.289	385.627
20.5	400.510	399.848	391.911	383.312	382.320
21.0	398.195	397.533	388.934	380.336	379.343
21.5	396.210	395.218	386.289	377.359	376.036
22.0	393.565	392.572	383.312	374.052	372.729
22.5	391.250	389.927	380.336	371.075	369.422
23.0	388.934	387.281	377.690	367.768	366.114
23.5	386.289	384.635	374.713	364.461	362.807
24.0	383.643	381.989	371.737	361.153	359.500
24.5	381.328	379.013	368.429	357.846	355.862
25.0	378.682	376.367	365.453	354.539	352.555
25.5	375.705	373.390	362.146	351.232	348.917
26.0	373.060	370.414	359.169	347.924	345.609
26.5	370.083	367.437	355.862	344.286	341.971

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2WD-2-00-L8-835-F-(L5)-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

27.0	367.437	364.461	352.885	340.648	338.664
27.5	364.461	361.484	349.578	337.341	335.026
28.0	361.484	358.508	346.271	333.703	331.388
28.5	358.508	355.531	342.963	330.429	327.948
29.0	355.862	352.224	339.656	326.923	324.344
29.5	352.555	349.247	336.349	323.451	320.739
30.0	349.578	345.940	333.042	319.912	317.134
30.5	346.601	342.963	329.503	316.472	313.529
31.0	343.625	339.656	326.096	312.967	309.924
31.5	340.648	336.349	322.657	309.494	306.385
32.0	337.341	333.042	319.250	305.988	302.780
32.5	334.365	329.933	315.811	302.449	299.175
33.0	331.057	326.626	312.371	298.944	295.603
33.5	327.982	323.351	308.932	295.339	291.999
34.0	324.740	320.011	305.492	291.767	288.460
34.5	321.532	316.704	302.020	288.195	284.921
35.0	318.225	313.330	298.580	284.623	281.349
35.5	314.918	309.957	295.173	281.051	277.843
36.0	311.611	306.550	291.734	277.480	274.238
36.5	308.204	303.144	288.261	273.941	270.733
37.0	304.765	299.738	284.756	270.402	267.161
37.5	301.391	296.232	281.316	266.896	263.622
38.0	297.985	292.792	277.843	263.325	260.116
38.5	294.479	289.320	274.338	259.819	256.611
39.0	291.006	285.913	270.865	256.346	253.039
39.5	287.600	282.407	267.359	252.874	249.533
40.0	284.094	278.968	263.887	249.368	246.061
40.5	280.688	275.495	260.414	245.895	242.522
41.0	277.248	272.023	256.941	242.456	238.950
41.5	273.775	268.583	253.469	238.983	235.411
42.0	270.336	265.110	249.963	235.577	231.939
42.5	266.929	261.671	246.491	232.137	228.433
43.0	263.490	258.165	243.084	228.664	224.960
43.5	260.083	254.693	239.578	225.192	221.421
44.0	256.578	251.154	236.139	221.752	218.015
44.5	253.105	247.681	232.666	218.346	214.575
45.0	249.699	244.175	229.227	214.939	211.235
45.5	246.259	240.637	225.787	211.500	207.829
46.0	242.753	237.098	222.347	208.126	204.455
46.5	239.248	233.625	218.875	204.786	201.148
47.0	235.742	230.086	215.435	201.446	197.841
47.5	232.170	226.647	211.996	198.138	194.566
48.0	228.631	223.108	208.655	194.864	191.358
48.5	225.126	219.636	205.249	191.623	188.117
49.0	221.554	216.130	201.842	188.382	184.942
49.5	218.048	212.657	198.469	185.141	181.767
50.0	214.476	209.251	195.096	181.966	178.592
50.5	211.037	205.811	191.788	178.791	175.417
51.0	207.498	202.405	188.448	175.649	172.309
51.5	204.025	199.031	185.141	172.507	169.134
52.0	200.520	195.625	181.833	169.365	166.025
52.5	197.080	192.251	178.559	166.256	162.883
53.0	193.607	188.911	175.285	163.114	159.774
53.5	190.168	185.538	172.044	160.039	156.665
54.0	186.761	182.131	168.836	156.930	153.589
54.5	183.388	178.758	165.628	153.887	150.547

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CANDELA TABULATION - (Cont.)

55.0	180.014	175.417	162.420	150.811	147.504
55.5	176.641	172.110	159.311	147.835	144.528
56.0	173.268	168.770	156.169	144.825	141.551
56.5	169.894	165.429	152.994	141.816	138.608
57.0	166.521	162.122	149.885	138.872	135.763
57.5	163.181	158.848	146.776	135.929	132.919
58.0	159.873	155.574	143.668	133.117	130.108
58.5	156.566	152.300	140.592	130.273	127.363
59.0	153.226	149.058	137.549	127.429	124.618
59.5	149.918	145.884	134.507	124.618	121.873
60.0	146.611	142.675	131.464	121.840	119.128
60.5	143.304	139.500	128.454	119.128	116.449
61.0	140.063	136.425	125.478	116.416	113.770
61.5	136.855	133.316	122.567	113.704	111.124
62.0	133.647	130.207	119.591	111.025	108.511
62.5	130.405	127.098	116.713	108.412	105.866
63.0	127.264	124.056	113.836	105.766	103.286
63.5	124.122	121.013	110.992	103.154	100.706
64.0	121.046	117.970	108.214	100.541	98.160
64.5	117.970	114.927	105.469	97.994	95.613
65.0	114.927	111.951	102.658	95.481	93.133
65.5	111.885	108.941	99.913	92.967	90.619
66.0	108.842	105.932	97.234	90.388	88.172
66.5	105.799	102.955	94.555	87.940	85.790
67.0	102.823	100.012	91.876	85.460	83.376
67.5	99.879	97.101	89.230	83.079	81.061
68.0	96.837	94.191	86.584	80.664	78.779
68.5	93.893	91.281	84.005	78.316	76.497
69.0	90.917	88.436	81.425	76.001	74.248
69.5	87.973	85.592	78.845	73.719	71.966
70.0	85.030	82.748	76.299	71.437	69.916
70.5	82.119	80.003	73.818	69.353	67.832
71.0	79.242	77.258	71.338	67.270	65.682
71.5	76.464	74.579	69.122	65.087	63.566
72.0	73.686	71.834	66.708	62.937	61.482
72.5	70.875	69.254	64.326	60.821	59.332
73.0	68.394	66.774	61.978	58.671	57.282
73.5	65.682	64.194	59.663	56.587	55.198
74.0	63.036	61.614	57.381	54.504	53.313
74.5	60.424	59.101	55.165	52.685	51.461
75.0	57.877	56.587	53.115	50.667	49.477
75.5	55.297	54.140	50.998	48.617	47.525
76.0	53.015	51.858	48.848	46.632	45.607
76.5	50.502	49.411	46.699	44.648	43.722
77.0	48.055	46.996	44.615	42.697	41.837
77.5	45.607	44.648	42.565	40.812	40.018
78.0	43.193	42.333	40.547	38.893	38.232
78.5	40.812	40.051	38.530	37.041	36.446
79.0	38.497	37.835	36.578	35.222	34.693
79.5	36.215	35.619	34.627	33.436	32.940
80.0	33.966	33.503	32.709	31.684	31.254
80.5	31.750	31.452	30.857	29.964	29.600
81.0	29.600	29.402	29.005	28.277	27.946
81.5	27.516	27.450	27.219	26.623	26.326
82.0	25.466	25.532	25.433	24.970	24.738
82.5	23.482	23.647	23.713	23.382	23.151

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CANDELA TABULATION - (Cont.)

83.0	21.530	21.828	22.026	21.795	21.596
83.5	19.678	20.042	20.373	20.274	20.075
84.0	17.859	18.322	18.752	18.752	18.587
84.5	16.106	16.669	17.165	17.264	17.132
85.0	14.420	15.015	15.643	15.809	15.710
85.5	12.799	13.427	14.122	14.354	14.287
86.0	11.245	11.906	12.667	12.964	12.931
86.5	9.723	10.385	11.245	11.575	11.609
87.0	8.268	8.930	9.856	10.286	10.319
87.5	6.846	7.507	8.500	8.996	9.062
88.0	5.424	6.152	7.177	7.375	7.276
88.5	4.101	4.862	5.688	5.887	5.887
89.0	3.241	3.936	4.762	5.060	5.093
89.5	2.514	3.241	3.969	4.333	4.432
90.0	1.786	2.580	3.307	3.638	3.737
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-2-00-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 : MX2WD-2-00-L8-835-F-(L5)-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	159.81	N.A.	15.70
0-30	327.80	N.A.	32.30
0-40	514.71	N.A.	50.70
0-60	837.92	N.A.	82.50
0-80	997.52	N.A.	98.30
0-90	1015.01	N.A.	100.00
10-90	972.79	N.A.	95.80
20-40	354.89	N.A.	35.00
20-50	532.08	N.A.	52.40
40-70	425.95	N.A.	42.00
60-80	159.60	N.A.	15.70
70-80	56.86	N.A.	5.60
80-90	17.49	N.A.	1.70
90-110	0.08	N.A.	0.00
90-120	0.08	N.A.	0.00
90-130	0.08	N.A.	0.00
90-150	0.08	N.A.	0.00
90-180	0.08	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1015.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	42.22
10-20	117.59
20-30	167.99
30-40	186.90
40-50	177.19
50-60	146.02
60-70	102.74
70-80	56.86
80-90	17.49
90-100	0.08
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-2-00-L8-835-F-(L5)-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	84	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	55	53
5	78	66	57	51	76	65	56	50	62	55	50	60	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-2-00-L8-835-F-(L5)-DIM-UNV_.IES

UGR TABLE - CORRECTED

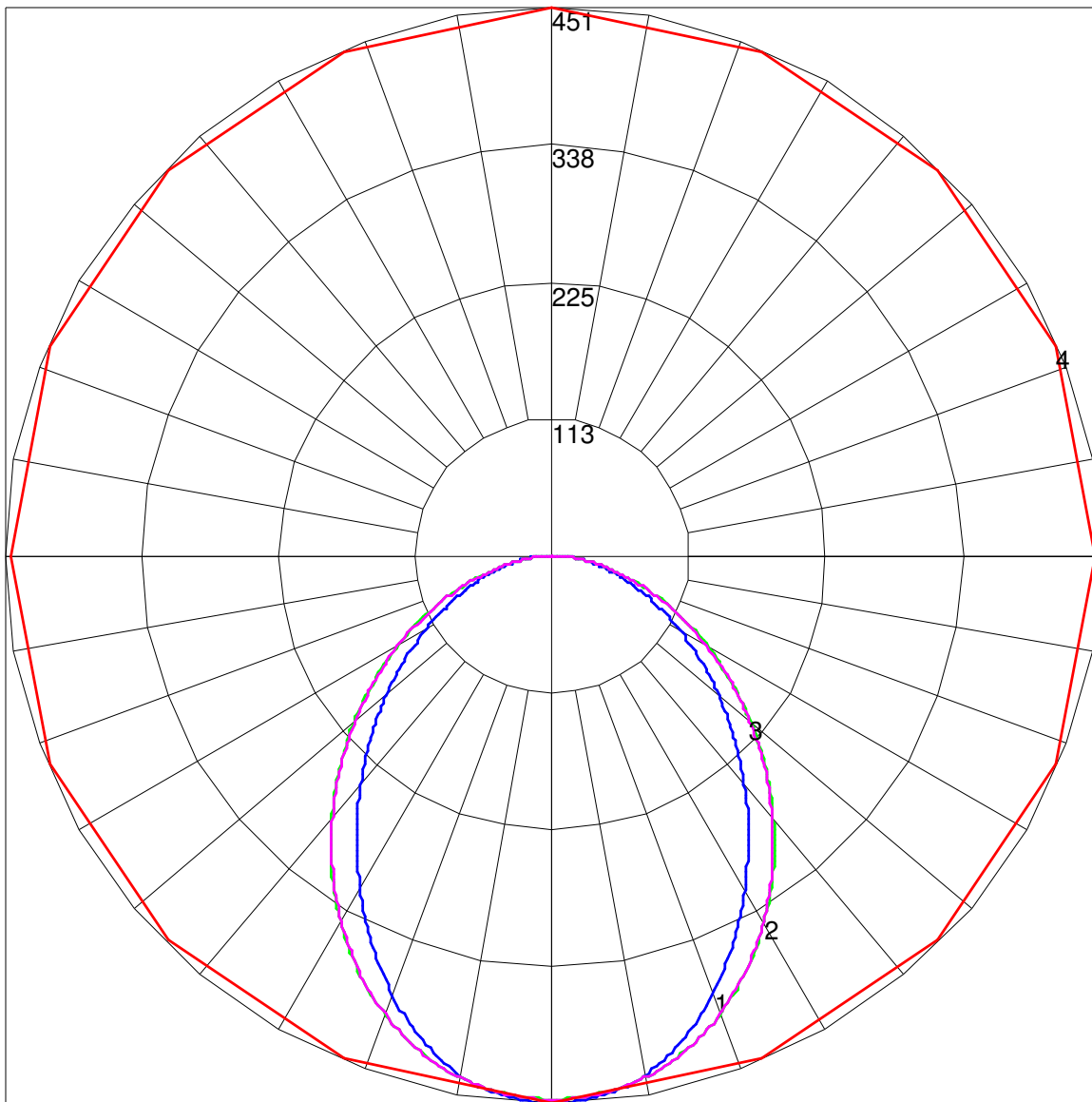
Reflectances

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	20.0	21.5	20.3	21.8	22.2	18.8	20.4	19.2	20.7	21.0
	3H	21.6	23.0	21.9	23.3	23.7	20.4	21.8	20.8	22.1	22.5
	4H	22.1	23.5	22.5	23.8	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	22.5	19.5	20.8	19.9	21.1	21.5
	3H	22.2	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	24.8	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	23.8	23.5	24.2	24.7
8H	4H	23.2	24.0	23.7	24.4	24.9	22.3	23.1	22.8	23.6	24.1
	6H	23.9	24.5	24.3	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	24.2	24.7	25.2
12H	4H	23.2	23.9	23.7	24.4	24.9	22.4	23.1	22.9	23.6	24.0
	6H	23.9	24.5	24.4	25.0	25.5	23.1	23.8	23.7	24.2	24.8
	8H	24.2	24.7	24.7	25.2	25.8	23.5	24.0	24.0	24.5	25.1

Maximum UGR = 25.9

POLAR GRAPH



Maximum Candela = 450.78 Located At Horizontal Angle = 90, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (5 - 185)
3 - Vertical Plane Through Horizontal Angles (10 - 190)
4 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)