



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2RX-4-00-L4-835-F-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN from UL 13012869.02
 [TESTLAB] UL Verification Services Inc.
 [ISSUE DATE] 11/21/2019
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] MX2Rx-4-00-L4-835-F-DIM-UNV
 [LUMINAIRE] Formed White aluminum housing, frosted plastic lens
 [LAMP] 144 White LEDs
 [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	1686
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	13.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.10
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	9222	8557	7953
55	8251	7584	6969
65	7276	6658	6125
75	6038	5647	5266
85	4446	4784	4775

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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	729.972	729.972	729.972	729.972	729.972
0.5	728.925	734.681	728.925	728.402	727.356
1.0	728.925	734.681	728.402	728.402	727.356
1.5	728.925	734.158	728.402	728.402	726.832
2.0	728.925	734.158	727.879	727.879	727.356
2.5	728.402	733.635	727.356	727.879	726.832
3.0	727.356	733.112	726.832	727.356	726.309
3.5	727.356	732.588	726.309	727.356	725.786
4.0	726.309	732.065	725.262	726.309	724.739
4.5	725.786	731.019	724.739	725.786	723.693
5.0	725.262	729.972	723.693	724.739	723.169
5.5	724.216	729.449	722.646	723.693	722.123
6.0	723.169	728.402	721.600	722.646	720.553
6.5	722.123	727.356	720.553	721.076	719.506
7.0	721.076	725.786	719.506	720.030	718.460
7.5	719.506	724.739	717.937	717.937	716.890
8.0	718.460	723.169	716.890	716.367	715.320
8.5	716.890	722.123	715.320	714.274	713.227
9.0	715.843	720.553	713.750	712.704	711.134
9.5	714.274	718.983	712.181	710.087	709.041
10.0	712.704	716.890	710.087	707.994	706.424
10.5	711.134	715.320	708.518	705.901	703.808
11.0	709.041	713.750	706.424	703.285	701.192
11.5	706.948	711.657	704.331	701.192	698.052
12.0	705.378	709.564	702.238	698.052	695.436
12.5	703.285	707.471	699.622	695.436	691.773
13.0	700.668	705.378	697.005	692.296	688.633
13.5	699.099	703.285	693.866	689.156	685.493
14.0	696.482	700.668	691.773	686.017	682.354
14.5	693.866	698.575	688.633	682.877	678.691
15.0	691.773	695.436	685.493	679.214	675.551
15.5	689.156	692.819	682.354	676.074	671.888
16.0	687.063	690.203	679.214	672.411	667.702
16.5	684.447	687.587	676.074	668.749	664.039
17.0	682.354	684.970	672.411	665.086	660.376
17.5	679.214	682.354	668.749	660.899	656.190
18.0	675.551	679.737	665.086	656.713	652.004
18.5	672.411	676.074	661.423	653.050	647.817
19.0	669.272	672.935	657.760	648.864	643.631
19.5	665.609	669.272	653.573	644.678	638.922
20.0	662.469	665.609	649.387	639.968	634.735
20.5	658.806	661.946	645.724	635.782	630.026
21.0	655.667	658.283	641.538	631.073	625.316
21.5	652.527	654.097	637.352	626.363	620.607
22.0	648.341	650.434	633.689	621.130	615.374
22.5	644.678	646.771	628.979	616.421	610.141
23.0	641.015	642.585	624.793	611.188	604.909
23.5	637.352	638.398	620.607	605.955	599.153
24.0	633.166	634.735	615.898	600.722	593.920
24.5	628.979	630.549	611.188	595.490	588.687
25.0	624.793	626.363	606.479	590.257	583.454
25.5	620.607	621.654	601.246	585.024	578.222
26.0	615.898	617.467	596.013	579.791	572.465
26.5	611.711	612.758	591.303	574.035	567.233

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CANDELA TABULATION - (Cont.)

27.0	607.002	608.048	586.071	568.803	561.477
27.5	602.292	603.339	580.838	563.570	556.244
28.0	597.060	598.629	576.128	558.337	551.011
28.5	592.350	593.397	570.372	552.581	545.255
29.0	587.117	588.164	565.140	547.348	540.022
29.5	582.408	583.454	559.907	542.115	534.266
30.0	577.175	578.222	554.151	536.359	529.033
30.5	571.942	572.989	548.918	531.127	523.068
31.0	566.709	567.233	543.162	525.371	517.469
31.5	561.477	561.477	537.406	519.614	511.713
32.0	555.721	555.721	531.127	513.701	506.114
32.5	550.488	550.488	525.371	507.527	500.044
33.0	545.255	544.208	519.667	501.457	493.974
33.5	539.499	538.452	513.649	495.230	488.113
34.0	534.266	532.696	507.579	489.055	482.148
34.5	529.033	526.940	501.666	482.880	475.816
35.0	523.277	520.923	495.544	476.496	469.484
35.5	517.835	514.957	489.421	470.269	462.944
36.0	512.236	508.835	483.456	463.938	456.246
36.5	506.480	502.974	477.281	457.449	449.495
37.0	500.933	496.800	471.211	451.170	442.588
37.5	494.968	490.834	464.984	444.629	435.681
38.0	488.950	484.869	458.757	438.192	428.826
38.5	483.090	478.851	452.583	431.809	422.128
39.0	477.177	472.781	446.251	425.215	415.273
39.5	470.950	466.973	439.972	418.884	408.784
40.0	464.775	460.903	433.797	412.343	403.552
40.5	458.967	454.833	427.622	406.482	397.429
41.0	452.635	448.867	421.605	400.778	391.464
41.5	446.617	442.850	415.378	394.603	385.603
42.0	440.600	436.884	409.098	388.690	379.952
42.5	434.530	430.657	403.709	382.882	374.562
43.0	428.721	424.849	398.528	377.231	369.329
43.5	422.965	418.831	392.720	372.103	365.038
44.0	417.000	412.866	386.964	367.236	359.806
44.5	410.877	406.901	381.417	362.265	354.573
45.0	405.069	401.040	375.870	356.980	349.340
45.5	399.208	396.173	371.056	351.747	344.160
46.0	393.557	390.260	366.190	346.567	338.927
46.5	388.063	384.347	360.747	341.334	333.746
47.0	384.190	379.114	355.305	336.153	328.566
47.5	378.434	373.358	349.863	330.921	323.333
48.0	372.678	368.073	344.369	325.740	318.205
48.5	366.922	362.317	338.927	320.455	313.025
49.0	361.271	356.561	333.432	315.275	307.949
49.5	355.619	350.857	327.990	310.094	302.873
50.0	350.020	345.154	322.548	304.966	297.849
50.5	344.369	339.450	317.106	299.890	292.878
51.0	338.717	333.799	311.716	294.814	287.855
51.5	333.066	328.095	306.327	289.686	282.936
52.0	327.415	322.444	301.041	284.611	277.965
52.5	321.763	316.897	295.809	279.587	272.994
53.0	316.060	311.402	290.628	274.564	268.075
53.5	310.513	305.908	285.500	269.540	263.104
54.0	304.966	300.414	280.372	264.569	258.133
54.5	299.472	294.971	275.296	259.598	253.109

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CANDELA TABULATION - (Cont.)

55.0	293.977	289.582	270.220	254.731	248.295
55.5	288.535	284.192	265.092	249.865	243.376
56.0	283.093	278.907	260.017	244.998	238.667
56.5	277.756	273.622	254.941	240.184	233.905
57.0	272.418	268.337	249.917	235.423	229.248
57.5	267.185	263.104	244.841	230.713	224.643
58.0	261.900	257.871	239.818	226.056	220.090
58.5	256.772	252.638	234.847	221.399	215.538
59.0	251.592	247.458	229.980	216.846	211.038
59.5	246.411	242.382	225.166	212.294	206.538
60.0	241.231	237.306	220.457	207.793	202.142
60.5	236.103	232.231	215.695	203.346	197.799
61.0	231.027	227.155	210.985	198.950	193.508
61.5	225.951	222.131	206.276	194.555	189.322
62.0	220.875	217.160	201.723	190.264	185.136
62.5	215.852	212.137	197.171	186.025	181.002
63.0	210.776	207.218	192.618	181.787	176.920
63.5	205.753	202.299	188.171	177.600	172.891
64.0	200.782	197.380	183.670	173.362	168.862
64.5	195.863	192.514	179.223	169.176	164.832
65.0	190.996	187.647	174.775	164.989	160.803
65.5	186.130	182.833	170.327	160.803	156.722
66.0	181.211	178.071	165.879	156.669	152.169
66.5	176.397	173.257	161.483	152.483	148.140
67.0	171.530	168.495	157.088	148.297	144.111
67.5	166.716	163.733	152.692	144.163	140.134
68.0	161.902	158.972	148.297	140.029	136.209
68.5	157.140	154.262	143.849	136.000	132.232
69.0	152.378	149.500	139.506	131.918	128.360
69.5	147.564	144.791	135.163	127.941	124.488
70.0	142.802	140.134	130.924	123.964	120.668
70.5	138.093	135.529	126.685	120.092	116.900
71.0	133.331	130.819	122.604	116.220	113.185
71.5	128.674	126.267	118.470	112.400	109.470
72.0	124.069	121.714	114.388	108.632	105.859
72.5	119.464	117.266	110.359	104.917	102.196
73.0	114.964	112.871	106.382	101.202	98.638
73.5	110.359	108.475	102.405	97.591	95.080
74.0	105.859	104.185	98.481	93.928	91.574
74.5	101.463	99.894	94.609	90.370	88.120
75.0	97.068	95.760	90.789	86.812	84.666
75.5	92.725	91.574	87.021	83.306	81.265
76.0	88.486	87.440	83.306	79.852	78.021
76.5	84.300	83.358	79.643	76.451	74.724
77.0	80.166	79.381	75.980	73.102	71.427
77.5	76.085	75.457	72.422	69.805	68.288
78.0	72.055	71.584	68.863	66.561	65.200
78.5	68.131	67.764	65.462	63.369	62.113
79.0	64.258	64.049	62.113	60.229	59.078
79.5	60.491	60.386	58.764	57.142	56.095
80.0	56.776	56.776	55.520	54.107	53.113
80.5	53.165	53.270	52.328	51.124	50.235
81.0	49.554	49.816	49.188	48.142	47.357
81.5	46.101	46.415	46.101	45.211	44.531
82.0	42.699	43.118	43.066	42.333	41.758
82.5	39.350	39.874	40.031	39.507	38.984

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CANDELA TABULATION - (Cont.)

83.0	36.158	36.682	37.048	36.734	36.315
83.5	33.019	33.647	34.170	34.013	33.647
84.0	29.931	30.612	31.344	31.292	31.030
84.5	26.949	27.734	28.571	28.676	28.414
85.0	24.071	24.908	25.902	26.112	25.850
85.5	21.297	22.239	23.286	23.547	23.338
86.0	18.576	19.571	20.669	21.088	20.931
86.5	16.012	17.007	18.158	18.629	18.472
87.0	13.501	14.495	15.646	16.222	16.117
87.5	11.093	12.088	13.239	13.919	13.867
88.0	8.739	9.733	10.936	11.721	11.774
88.5	6.384	7.431	8.739	9.628	9.733
89.0	4.029	5.180	6.541	7.535	7.535
89.5	1.779	3.192	4.500	5.390	5.442
90.0	0.314	1.570	2.983	3.977	4.291
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 : MX2RX-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 : MX2RX-4-00-L4-835-F-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	261.92	N.A.	15.50
0-30	540.82	N.A.	32.10
0-40	851.24	N.A.	50.50
0-60	1386.2	N.A.	82.20
0-80	1657.25	N.A.	98.30
0-90	1686.18	N.A.	100.00
10-90	1617.37	N.A.	95.90
20-40	589.33	N.A.	34.90
20-50	881.26	N.A.	52.30
40-70	709.13	N.A.	42.10
60-80	271.04	N.A.	16.10
70-80	96.87	N.A.	5.70
80-90	28.94	N.A.	1.70
90-110	0.07	N.A.	0.00
90-120	0.07	N.A.	0.00
90-130	0.07	N.A.	0.00
90-150	0.07	N.A.	0.00
90-180	0.07	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1686.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	68.82
10-20	193.10
20-30	278.90
30-40	310.43
40-50	291.94
50-60	243.02
60-70	174.17
70-80	96.87
80-90	28.94
90-100	0.07
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 : MX2RX-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	60	60	60	60	58	58	58	58	56	56	56	53	53	53	51	51	51	50
1	55	52	50	49	53	51	49	48	49	48	46	47	46	45	45	44	44	42
2	50	46	43	40	49	45	42	40	43	41	39	42	40	38	40	39	37	36
3	46	41	37	34	45	40	36	33	39	35	33	37	35	32	36	34	32	31
4	42	36	32	29	41	36	32	29	35	31	28	33	30	28	32	30	28	27
5	39	33	28	25	38	32	28	25	31	28	25	30	27	25	29	26	24	23
6	36	30	25	22	35	29	25	22	28	25	22	27	24	22	27	24	22	21
7	34	27	23	20	33	27	23	20	26	22	20	25	22	19	24	22	19	18
8	31	25	21	18	31	24	20	18	24	20	18	23	20	18	23	20	17	16
9	29	23	19	16	29	22	19	16	22	18	16	21	18	16	21	18	16	15
10	28	21	17	15	27	21	17	15	20	17	15	20	17	15	19	17	14	14

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2RX-4-00-L4-835-F-DIM-UNV_.IES

UGR TABLE - CORRECTED

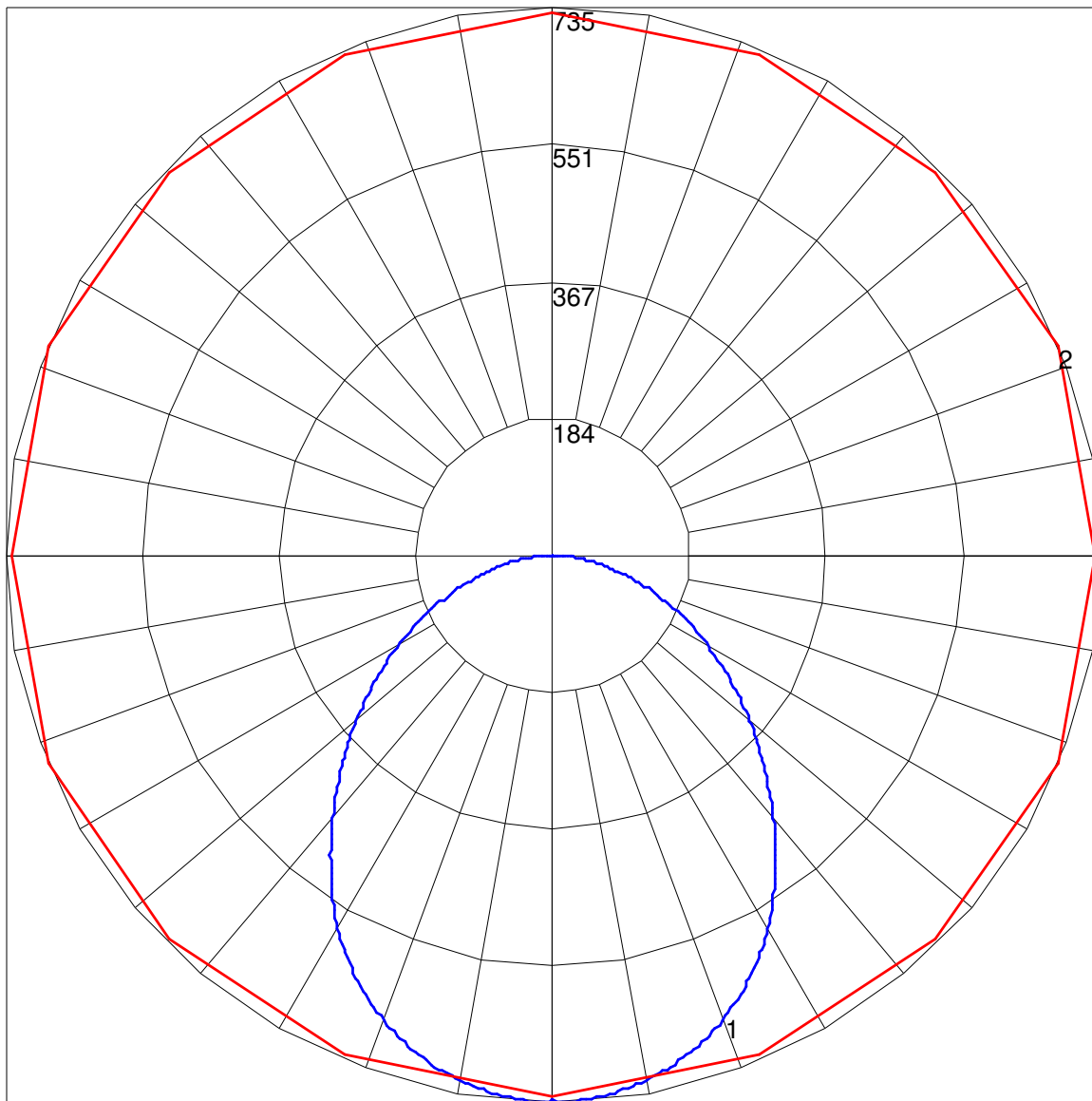
Reflectances

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	21.6	23.2	22.0	23.5	23.8	20.7	22.2	21.0	22.5	22.9
	3H	23.3	24.7	23.7	25.0	25.4	22.3	23.7	22.7	24.0	24.4
	4H	23.9	25.2	24.3	25.6	25.9	22.9	24.2	23.3	24.6	25.0
	6H	24.3	25.5	24.7	25.9	26.3	23.4	24.6	23.8	25.0	25.4
	8H	24.4	25.6	24.9	26.0	26.4	23.6	24.7	24.0	25.1	25.5
	12H	24.5	25.6	24.9	26.0	26.5	23.7	24.8	24.1	25.2	25.6
4H	2H	22.1	23.4	22.5	23.8	24.2	21.3	22.7	21.7	23.0	23.4
	3H	24.0	25.1	24.4	25.5	25.9	23.2	24.3	23.6	24.7	25.1
	4H	24.7	25.7	25.2	26.1	26.6	23.9	24.9	24.3	25.3	25.8
	6H	25.3	26.2	25.7	26.6	27.1	24.5	25.4	25.0	25.8	26.3
	8H	25.5	26.3	25.9	26.7	27.2	24.7	25.5	25.2	26.0	26.5
	12H	25.6	26.3	26.1	26.8	27.3	24.9	25.6	25.4	26.1	26.6
8H	4H	25.0	25.8	25.4	26.2	26.7	24.2	25.1	24.7	25.5	26.0
	6H	25.6	26.3	26.1	26.8	27.3	25.0	25.6	25.5	26.1	26.6
	8H	25.9	26.5	26.4	27.0	27.5	25.3	25.9	25.8	26.4	26.9
	12H	26.1	26.6	26.6	27.1	27.7	25.5	26.1	26.0	26.6	27.1
12H	4H	25.0	25.7	25.5	26.2	26.7	24.3	25.0	24.8	25.5	26.0
	6H	25.7	26.3	26.2	26.8	27.3	25.0	25.7	25.6	26.1	26.7
	8H	26.0	26.5	26.5	27.0	27.6	25.4	25.9	25.9	26.4	27.0

Maximum UGR = 27.7

POLAR GRAPH



Maximum Candela = 734.681 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.)