



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2RX-2-00-P8-940-F-POE PR_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 13012869.02
 [TESTLAB] UL Verification Services Inc.
 [ISSUE DATE] 27 JUNE 2022
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] MX2RX-2-00-P8-940-F-POE PR
 [LUMINAIRE] 2 INCH WIDE LINEAR RECESSED LED
 [LAMP] LED
 [LAMPCAT] HLM 90 CRI 4000K CCT

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1487
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	12.6
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)	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	16267	15095	14029
55	14554	13378	12293
65	12834	11744	10805
75	10650	9961	9289
85	7843	8439	8422

IES INDOOR REPORT
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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	643.813	643.813	643.813	643.813	643.813
0.5	642.890	647.966	642.890	642.428	641.505
1.0	642.890	647.966	642.428	642.428	641.505
1.5	642.890	647.505	642.428	642.428	641.044
2.0	642.890	647.505	641.967	641.967	641.505
2.5	642.428	647.043	641.505	641.967	641.044
3.0	641.505	646.582	641.044	641.505	640.582
3.5	641.505	646.120	640.582	641.505	640.121
4.0	640.582	645.659	639.659	640.582	639.198
4.5	640.121	644.736	639.198	640.121	638.275
5.0	639.659	643.813	638.275	639.198	637.813
5.5	638.736	643.351	637.352	638.275	636.890
6.0	637.813	642.428	636.429	637.352	635.506
6.5	636.890	641.505	635.506	635.967	634.583
7.0	635.967	640.121	634.583	635.044	633.660
7.5	634.583	639.198	633.198	633.198	632.275
8.0	633.660	637.813	632.275	631.813	630.890
8.5	632.275	636.890	630.890	629.967	629.044
9.0	631.352	635.506	629.506	628.583	627.198
9.5	629.967	634.121	628.121	626.275	625.352
10.0	628.583	632.275	626.275	624.429	623.045
10.5	627.198	630.890	624.891	622.583	620.737
11.0	625.352	629.506	623.045	620.276	618.430
11.5	623.506	627.660	621.199	618.430	615.660
12.0	622.122	625.814	619.353	615.660	613.353
12.5	620.276	623.968	617.045	613.353	610.122
13.0	617.968	622.122	614.737	610.584	607.353
13.5	616.583	620.276	611.968	607.815	604.584
14.0	614.276	617.968	610.122	605.046	601.815
14.5	611.968	616.122	607.353	602.277	598.584
15.0	610.122	613.353	604.584	599.046	595.815
15.5	607.815	611.045	601.815	596.277	592.585
16.0	605.969	608.738	599.046	593.046	588.893
16.5	603.661	606.430	596.277	589.816	585.662
17.0	601.815	604.123	593.046	586.585	582.431
17.5	599.046	601.815	589.816	582.893	578.739
18.0	595.815	599.507	586.585	579.201	575.047
18.5	593.046	596.277	583.354	575.970	571.355
19.0	590.277	593.508	580.124	572.278	567.663
19.5	587.047	590.277	576.432	568.586	563.509
20.0	584.277	587.047	572.740	564.432	559.817
20.5	581.047	583.816	569.509	560.740	555.664
21.0	578.278	580.585	565.817	556.587	551.510
21.5	575.509	576.893	562.125	552.433	547.356
22.0	571.817	573.663	558.894	547.818	542.741
22.5	568.586	570.432	554.741	543.664	538.126
23.0	565.355	566.740	551.048	539.049	533.511
23.5	562.125	563.048	547.356	534.434	528.434
24.0	558.433	559.817	543.203	529.819	523.819
24.5	554.741	556.125	539.049	525.204	519.204
25.0	551.048	552.433	534.895	520.588	514.589
25.5	547.356	548.279	530.280	515.973	509.974
26.0	543.203	544.587	525.665	511.358	504.897
26.5	539.511	540.434	521.511	506.282	500.282

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2RX-2-00-P8-940-F-POE PR_.IES

CANDELA TABULATION - (Cont.)

27.0	535.357	536.280	516.896	501.666	495.205
27.5	531.203	532.126	512.281	497.051	490.590
28.0	526.588	527.973	508.128	492.436	485.975
28.5	522.435	523.358	503.051	487.359	480.898
29.0	517.819	518.742	498.436	482.744	476.283
29.5	513.666	514.589	493.821	478.129	471.206
30.0	509.051	509.974	488.744	473.052	466.591
30.5	504.435	505.358	484.129	468.437	461.330
31.0	499.820	500.282	479.052	463.361	456.392
31.5	495.205	495.205	473.975	458.284	451.315
32.0	490.128	490.128	468.437	453.069	446.377
32.5	485.513	485.513	463.361	447.623	441.023
33.0	480.898	479.975	458.330	442.269	435.670
33.5	475.822	474.899	453.023	436.777	430.501
34.0	471.206	469.822	447.669	431.332	425.240
34.5	466.591	464.745	442.454	425.886	419.655
35.0	461.515	459.438	437.054	420.255	414.071
35.5	456.715	454.177	431.655	414.763	408.302
36.0	451.777	448.777	426.393	409.179	402.395
36.5	446.700	443.608	420.947	403.456	396.441
37.0	441.808	438.162	415.594	397.918	390.349
37.5	436.547	432.901	410.102	392.149	384.257
38.0	431.239	427.639	404.610	386.472	378.211
38.5	426.070	422.332	399.164	380.842	372.304
39.0	420.855	416.978	393.580	375.027	366.258
39.5	415.363	411.856	388.041	369.442	360.535
40.0	409.917	406.502	382.596	363.673	355.920
40.5	404.794	401.148	377.150	358.505	350.520
41.0	399.210	395.887	371.842	353.474	345.259
41.5	393.903	390.580	366.350	348.028	340.090
42.0	388.595	385.319	360.812	342.813	335.106
42.5	383.242	379.827	356.059	337.690	330.352
43.0	378.119	374.704	351.490	332.706	325.737
43.5	373.042	369.396	346.367	328.183	321.953
44.0	367.781	364.135	341.290	323.891	317.337
44.5	362.381	358.874	336.398	319.507	312.722
45.0	357.258	353.705	331.506	314.845	308.107
45.5	352.089	349.413	327.260	310.230	303.538
46.0	347.105	344.198	322.968	305.661	298.923
46.5	342.259	338.982	318.168	301.046	294.354
47.0	338.844	334.367	313.368	296.477	289.785
47.5	333.767	329.291	308.569	291.862	285.170
48.0	328.691	324.629	303.723	287.293	280.647
48.5	323.614	319.553	298.923	282.632	276.078
49.0	318.630	314.476	294.077	278.063	271.601
49.5	313.645	309.446	289.277	273.494	267.125
50.0	308.707	304.415	284.478	268.971	262.694
50.5	303.723	299.385	279.678	264.494	258.310
51.0	298.738	294.400	274.924	260.017	253.879
51.5	293.754	289.370	270.171	255.494	249.541
52.0	288.770	284.385	265.509	251.018	245.157
52.5	283.785	279.493	260.894	246.587	240.772
53.0	278.755	274.647	256.325	242.157	236.434
53.5	273.863	269.801	251.802	237.726	232.050
54.0	268.971	264.956	247.280	233.342	227.665
54.5	264.125	260.156	242.803	228.957	223.235

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CANDELA TABULATION - (Cont.)

55.0	259.279	255.402	238.326	224.665	218.989
55.5	254.479	250.649	233.803	220.373	214.650
56.0	249.679	245.987	229.327	216.081	210.497
56.5	244.972	241.326	224.850	211.835	206.297
57.0	240.264	236.665	220.419	207.635	202.190
57.5	235.649	232.050	215.943	203.482	198.128
58.0	230.988	227.434	211.512	199.374	194.113
58.5	226.465	222.819	207.128	195.267	190.098
59.0	221.896	218.250	202.836	191.252	186.129
59.5	217.327	213.774	198.590	187.236	182.160
60.0	212.758	209.297	194.436	183.267	178.283
60.5	208.235	204.820	190.236	179.345	174.453
61.0	203.759	200.343	186.083	175.468	170.668
61.5	199.282	195.913	181.929	171.591	166.976
62.0	194.805	191.529	177.914	167.807	163.284
62.5	190.375	187.098	173.899	164.068	159.638
63.0	185.898	182.760	169.884	160.330	156.038
63.5	181.468	178.422	165.961	156.638	152.484
64.0	177.083	174.083	161.992	152.900	148.931
64.5	172.745	169.791	158.069	149.208	145.377
65.0	168.453	165.499	154.146	145.516	141.823
65.5	164.161	161.253	150.223	141.823	138.224
66.0	159.823	157.053	146.300	138.177	134.208
66.5	155.577	152.807	142.423	134.485	130.655
67.0	151.284	148.608	138.547	130.793	127.101
67.5	147.039	144.408	134.670	127.147	123.594
68.0	142.793	140.208	130.793	123.501	120.132
68.5	138.593	136.055	126.870	119.948	116.625
69.0	134.393	131.855	123.040	116.348	113.210
69.5	130.147	127.701	119.209	112.840	109.794
70.0	125.947	123.594	115.471	109.333	106.425
70.5	121.794	119.532	111.733	105.918	103.102
71.0	117.594	115.379	108.133	102.502	99.826
71.5	113.486	111.363	104.487	99.133	96.549
72.0	109.425	107.348	100.887	95.810	93.364
72.5	105.364	103.425	97.333	92.534	90.134
73.0	101.395	99.549	93.826	89.257	86.996
73.5	97.333	95.672	90.318	86.072	83.857
74.0	93.364	91.888	86.857	82.842	80.765
74.5	89.488	88.103	83.442	79.704	77.719
75.0	85.611	84.457	80.073	76.565	74.673
75.5	81.780	80.765	76.750	73.473	71.673
76.0	78.042	77.119	73.473	70.427	68.812
76.5	74.350	73.519	70.243	67.427	65.904
77.0	70.704	70.012	67.012	64.474	62.997
77.5	67.104	66.550	63.874	61.566	60.228
78.0	63.551	63.135	60.735	58.705	57.505
78.5	60.089	59.766	57.735	55.889	54.782
79.0	56.674	56.489	54.782	53.120	52.105
79.5	53.351	53.259	51.828	50.397	49.474
80.0	50.074	50.074	48.967	47.721	46.844
80.5	46.890	46.982	46.151	45.090	44.305
81.0	43.705	43.936	43.382	42.459	41.767
81.5	40.659	40.936	40.659	39.875	39.275
82.0	37.660	38.029	37.983	37.337	36.829
82.5	34.706	35.167	35.306	34.844	34.383

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CANDELA TABULATION - (Cont.)

83.0	31.891	32.352	32.675	32.398	32.029
83.5	29.122	29.675	30.137	29.998	29.675
84.0	26.399	26.999	27.645	27.599	27.368
84.5	23.768	24.460	25.199	25.291	25.060
85.0	21.230	21.968	22.845	23.030	22.799
85.5	18.784	19.614	20.537	20.768	20.584
86.0	16.384	17.261	18.230	18.599	18.461
86.5	14.122	14.999	16.015	16.430	16.291
87.0	11.907	12.784	13.799	14.307	14.215
87.5	9.784	10.661	11.676	12.276	12.230
88.0	7.707	8.584	9.646	10.338	10.384
88.5	5.630	6.554	7.707	8.492	8.584
89.0	3.554	4.569	5.769	6.646	6.646
89.5	1.569	2.815	3.969	4.754	4.800
90.0	0.277	1.385	2.631	3.508	3.784
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2RX-2-00-P8-940-F-POE PR_.IES

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-2-00-P8-940-F-POE PR_.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
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	231.01	N.A.	15.50
0-30	476.99	N.A.	32.10
0-40	750.77	N.A.	50.50
0-60	1222.59	N.A.	82.20
0-80	1461.64	N.A.	98.30
0-90	1487.16	N.A.	100.00
10-90	1426.47	N.A.	95.90
20-40	519.77	N.A.	34.90
20-50	777.25	N.A.	52.30
40-70	625.43	N.A.	42.10
60-80	239.05	N.A.	16.10
70-80	85.44	N.A.	5.70
80-90	25.52	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	1487.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	60.69
10-20	170.31
20-30	245.98
30-40	273.79
40-50	257.48
50-60	214.34
60-70	153.61
70-80	85.44
80-90	25.52
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-2-00-P8-940-F-POE PR_.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	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	59	55	53
5	78	65	57	50	76	64	56	50	62	55	50	60	54	49	58	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	35	29	54	42	34	29	41	34	29	40	34	29	39	33	29	27

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2RX-2-00-P8-940-F-POE PR_.IES

UGR TABLE - CORRECTED

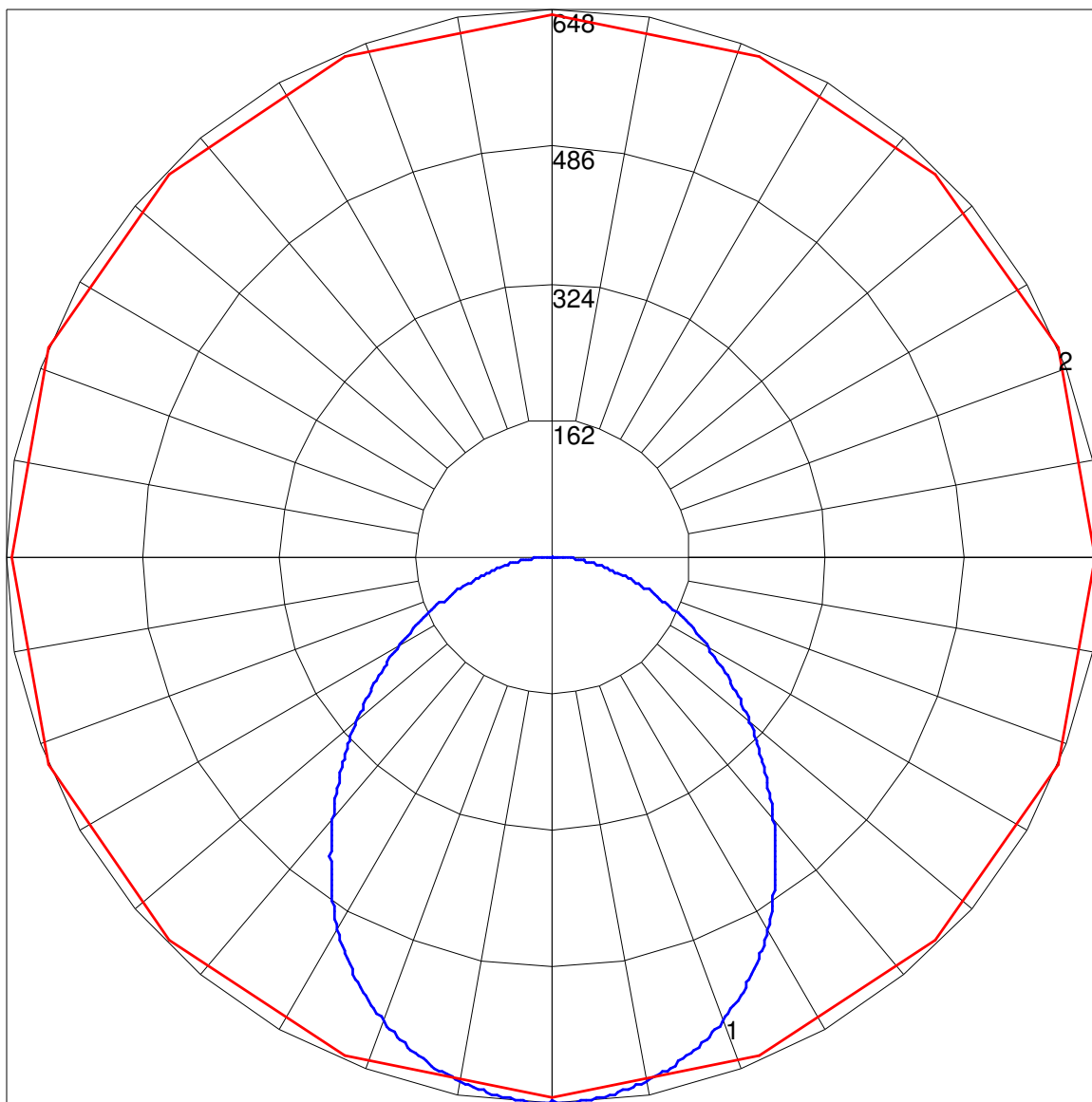
Reflectances

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	21.2	22.8	21.6	23.1	23.4	20.3	21.8	20.6	22.1	22.5
	3H	22.9	24.3	23.3	24.6	25.0	21.9	23.3	22.3	23.6	24.0
	4H	23.5	24.8	23.9	25.2	25.5	22.5	23.8	22.9	24.2	24.6
	6H	23.9	25.1	24.3	25.5	25.9	23.0	24.2	23.4	24.6	25.0
	8H	24.0	25.2	24.5	25.6	26.0	23.2	24.3	23.6	24.7	25.1
	12H	24.1	25.3	24.5	25.6	26.1	23.3	24.4	23.7	24.8	25.2
4H	2H	21.7	23.0	22.1	23.4	23.8	20.9	22.3	21.3	22.6	23.0
	3H	23.6	24.7	24.0	25.1	25.5	22.8	23.9	23.2	24.3	24.7
	4H	24.3	25.3	24.8	25.7	26.2	23.5	24.5	24.0	24.9	25.4
	6H	24.9	25.8	25.4	26.2	26.7	24.1	25.0	24.6	25.4	25.9
	8H	25.1	25.9	25.5	26.3	26.8	24.3	25.2	24.8	25.6	26.1
	12H	25.2	25.9	25.7	26.4	26.9	24.5	25.2	25.0	25.7	26.2
8H	4H	24.6	25.4	25.0	25.8	26.3	23.8	24.7	24.3	25.1	25.6
	6H	25.2	25.9	25.7	26.4	26.9	24.6	25.3	25.1	25.7	26.2
	8H	25.5	26.1	26.0	26.6	27.1	24.9	25.5	25.4	26.0	26.5
	12H	25.7	26.2	26.2	26.7	27.3	25.1	25.7	25.6	26.2	26.7
12H	4H	24.6	25.3	25.1	25.8	26.3	23.9	24.6	24.4	25.1	25.6
	6H	25.3	25.9	25.8	26.4	26.9	24.6	25.3	25.2	25.7	26.3
	8H	25.6	26.1	26.1	26.6	27.2	25.0	25.5	25.5	26.0	26.6

Maximum UGR = 27.3

POLAR GRAPH



Maximum Candela = 647.966 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.)