



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2RX-8-00-L4-840-F-(L3)-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 13012869.02
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 08/13/2020
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] MX2RG-8-00-L4-840-F-(L3)-DIM-UNV
 [LUMINAIRE] Formed White aluminum housing, frosted plastic lens
 [LAMP] 144 White LEDs

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2489
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	20
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)	8.00 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	6807	6317	5871
55	6090	5598	5144
65	5370	4914	4521
75	4457	4168	3887
85	3282	3532	3524

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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	1077.640	1077.640	1077.640	1077.640	1077.640
0.5	1076.095	1084.592	1076.095	1075.322	1073.777
1.0	1076.095	1084.592	1075.322	1075.322	1073.777
1.5	1076.095	1083.820	1075.322	1075.322	1073.005
2.0	1076.095	1083.820	1074.550	1074.550	1073.777
2.5	1075.322	1083.047	1073.777	1074.550	1073.005
3.0	1073.777	1082.275	1073.005	1073.777	1072.232
3.5	1073.777	1081.502	1072.232	1073.777	1071.460
4.0	1072.232	1080.730	1070.687	1072.232	1069.915
4.5	1071.460	1079.185	1069.915	1071.460	1068.370
5.0	1070.687	1077.640	1068.370	1069.915	1067.597
5.5	1069.142	1076.867	1066.825	1068.370	1066.052
6.0	1067.597	1075.322	1065.280	1066.825	1063.735
6.5	1066.052	1073.777	1063.735	1064.507	1062.190
7.0	1064.507	1071.460	1062.190	1062.962	1060.645
7.5	1062.190	1069.915	1059.872	1059.872	1058.327
8.0	1060.645	1067.597	1058.327	1057.555	1056.010
8.5	1058.327	1066.052	1056.010	1054.465	1052.920
9.0	1056.782	1063.735	1053.692	1052.147	1049.830
9.5	1054.465	1061.417	1051.375	1048.285	1046.740
10.0	1052.147	1058.327	1048.285	1045.195	1042.877
10.5	1049.830	1056.010	1045.967	1042.105	1039.015
11.0	1046.740	1053.692	1042.877	1038.242	1035.152
11.5	1043.650	1050.602	1039.787	1035.152	1030.517
12.0	1041.332	1047.512	1036.697	1030.517	1026.655
12.5	1038.242	1044.422	1032.835	1026.655	1021.247
13.0	1034.380	1041.332	1028.972	1022.020	1016.612
13.5	1032.062	1038.242	1024.337	1017.385	1011.977
14.0	1028.200	1034.380	1021.247	1012.750	1007.342
14.5	1024.337	1031.290	1016.612	1008.114	1001.934
15.0	1021.247	1026.655	1011.977	1002.707	997.299
15.5	1017.385	1022.792	1007.342	998.072	991.892
16.0	1014.295	1018.930	1002.707	992.664	985.712
16.5	1010.432	1015.067	998.072	987.257	980.304
17.0	1007.342	1011.205	992.664	981.849	974.897
17.5	1002.707	1007.342	987.257	975.669	968.717
18.0	997.299	1003.479	981.849	969.489	962.537
18.5	992.664	998.072	976.442	964.082	956.357
19.0	988.029	993.437	971.034	957.902	950.177
19.5	982.622	988.029	964.854	951.722	943.224
20.0	977.987	982.622	958.674	944.769	937.044
20.5	972.579	977.214	953.267	938.589	930.092
21.0	967.944	971.807	947.087	931.637	923.139
21.5	963.309	965.627	940.907	924.684	916.187
22.0	957.129	960.219	935.499	916.959	908.462
22.5	951.722	954.812	928.547	910.007	900.737
23.0	946.314	948.632	922.367	902.282	893.012
23.5	940.907	942.452	916.187	894.557	884.514
24.0	934.727	937.044	909.234	886.832	876.789
24.5	928.547	930.864	902.282	879.107	869.064
25.0	922.367	924.684	895.329	871.382	861.339
25.5	916.187	917.732	887.604	863.657	853.614
26.0	909.234	911.552	879.879	855.932	845.117
26.5	903.054	904.599	872.927	847.434	837.392

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2RX-8-00-L4-840-F-(L3)-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

27.0	896.102	897.647	865.202	839.709	828.894
27.5	889.149	890.694	857.477	831.984	821.169
28.0	881.424	883.742	850.524	824.259	813.444
28.5	874.472	876.017	842.027	815.762	804.947
29.0	866.747	868.292	834.302	808.037	797.222
29.5	859.794	861.339	826.577	800.312	788.724
30.0	852.069	853.614	818.079	791.814	780.999
30.5	844.344	845.889	810.354	784.089	772.193
31.0	836.619	837.392	801.857	775.592	763.927
31.5	828.894	828.894	793.359	767.094	755.429
32.0	820.397	820.397	784.089	758.365	747.163
32.5	812.672	812.672	775.592	749.249	738.202
33.0	804.947	803.402	767.171	740.288	729.241
33.5	796.449	794.904	758.288	731.095	720.589
34.0	788.724	786.407	749.326	721.980	711.783
34.5	780.999	777.909	740.597	712.864	702.436
35.0	772.502	769.025	731.559	703.440	693.088
35.5	764.468	760.219	722.521	694.247	683.432
36.0	756.202	751.180	713.714	684.900	673.544
36.5	747.704	742.528	704.599	675.321	663.579
37.0	739.516	733.413	695.638	666.051	653.382
37.5	730.709	724.606	686.445	656.395	643.185
38.0	721.825	715.800	677.252	646.893	633.065
38.5	713.173	706.916	668.137	637.468	623.177
39.0	704.444	697.955	658.789	627.735	613.057
39.5	695.251	689.380	649.519	618.387	603.478
40.0	686.136	680.419	640.404	608.731	595.753
40.5	677.561	671.458	631.288	600.079	586.715
41.0	668.214	662.652	622.404	591.659	577.908
41.5	659.330	653.768	613.212	582.543	569.256
42.0	650.446	644.962	603.942	573.814	560.913
42.5	641.485	635.769	595.985	565.239	552.957
43.0	632.911	627.194	588.337	556.896	545.232
43.5	624.413	618.310	579.762	549.326	538.897
44.0	615.606	609.504	571.265	542.142	531.172
44.5	606.568	600.697	563.076	534.803	523.447
45.0	597.993	592.045	554.888	527.001	515.722
45.5	589.341	584.861	547.781	519.276	508.074
46.0	580.998	576.132	540.597	511.628	500.349
46.5	572.887	567.402	532.563	503.903	492.701
47.0	567.171	559.677	524.529	496.255	485.054
47.5	558.673	551.180	516.495	488.530	477.329
48.0	550.176	543.378	508.383	480.882	469.758
48.5	541.678	534.880	500.349	473.080	462.110
49.0	533.335	526.383	492.238	465.432	454.617
49.5	524.992	517.962	484.204	457.784	447.124
50.0	516.726	509.542	476.170	450.214	439.708
50.5	508.383	501.122	468.136	442.721	432.369
51.0	500.040	492.779	460.179	435.227	424.953
51.5	491.697	484.358	452.222	427.657	417.692
52.0	483.354	476.015	444.420	420.164	410.353
52.5	475.011	467.827	436.695	412.748	403.014
53.0	466.591	459.716	429.047	405.332	395.753
53.5	458.402	451.604	421.477	397.916	388.414
54.0	450.214	443.493	413.906	390.577	381.075
54.5	442.103	435.459	406.413	383.238	373.659

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CANDELA TABULATION - (Cont.)

55.0	433.991	427.502	398.920	376.054	366.552
55.5	425.957	419.546	391.349	368.869	359.290
56.0	417.923	411.743	383.856	361.685	352.338
56.5	410.044	403.941	376.363	354.578	345.308
57.0	402.164	396.139	368.947	347.548	338.433
57.5	394.439	388.414	361.453	340.596	331.635
58.0	386.637	380.689	354.037	333.721	324.914
58.5	379.066	372.964	346.699	326.845	318.193
59.0	371.419	365.316	339.514	320.125	311.550
59.5	363.771	357.823	332.407	313.404	304.906
60.0	356.123	350.329	325.455	306.760	298.417
60.5	348.553	342.836	318.425	300.194	292.006
61.0	341.059	335.343	311.473	293.705	285.671
61.5	333.566	327.927	304.520	287.216	279.491
62.0	326.073	320.588	297.799	280.882	273.311
62.5	318.657	313.172	291.079	274.624	267.208
63.0	311.164	305.911	284.358	268.367	261.183
63.5	303.748	298.649	277.792	262.187	255.235
64.0	296.409	291.388	271.148	255.930	249.286
64.5	289.147	284.203	264.582	249.750	243.338
65.0	281.963	277.019	258.016	243.570	237.390
65.5	274.779	269.912	251.449	237.390	231.364
66.0	267.517	262.882	244.883	231.287	224.643
66.5	260.410	255.775	238.394	225.107	218.695
67.0	253.226	248.745	231.905	218.927	212.747
67.5	246.119	241.716	225.416	212.824	206.876
68.0	239.012	234.686	218.927	206.721	201.082
68.5	231.982	227.733	212.361	200.773	195.211
69.0	224.952	220.704	205.949	194.748	189.495
69.5	217.845	213.751	199.537	188.877	183.778
70.0	210.816	206.876	193.280	183.006	178.139
70.5	203.863	200.078	187.023	177.289	172.577
71.0	196.833	193.125	180.997	171.573	167.092
71.5	189.958	186.405	174.894	165.933	161.607
72.0	183.160	179.684	168.869	160.371	156.277
72.5	176.362	173.118	162.921	154.887	150.870
73.0	169.719	166.629	157.050	149.402	145.617
73.5	162.921	160.140	151.179	144.072	140.364
74.0	156.277	153.805	145.385	138.664	135.188
74.5	149.788	147.471	139.668	133.411	130.089
75.0	143.299	141.368	134.029	128.158	124.991
75.5	136.887	135.188	128.467	122.982	119.969
76.0	130.630	129.085	122.982	117.884	115.180
76.5	124.450	123.059	117.575	112.862	110.313
77.0	118.347	117.188	112.167	107.918	105.446
77.5	112.322	111.395	106.914	103.052	100.811
78.0	106.373	105.678	101.661	98.262	96.254
78.5	100.580	100.039	96.640	93.550	91.696
79.0	94.863	94.554	91.696	88.915	87.215
79.5	89.301	89.147	86.752	84.357	82.812
80.0	83.816	83.816	81.962	79.877	78.409
80.5	78.486	78.641	77.250	75.473	74.160
81.0	73.156	73.542	72.615	71.070	69.911
81.5	68.057	68.521	68.057	66.744	65.740
82.0	63.036	63.654	63.577	62.495	61.646
82.5	58.092	58.865	59.096	58.324	57.551

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CANDELA TABULATION - (Cont.)

83.0	53.380	54.152	54.693	54.230	53.612
83.5	48.745	49.672	50.444	50.213	49.672
84.0	44.187	45.191	46.273	46.196	45.809
84.5	39.784	40.943	42.179	42.333	41.947
85.0	35.535	36.771	38.239	38.548	38.162
85.5	31.441	32.831	34.376	34.763	34.454
86.0	27.424	28.892	30.514	31.132	30.900
86.5	23.639	25.106	26.806	27.501	27.269
87.0	19.931	21.398	23.098	23.948	23.793
87.5	16.377	17.845	19.544	20.549	20.471
88.0	12.901	14.369	16.145	17.304	17.381
88.5	9.425	10.970	12.901	14.214	14.369
89.0	5.948	7.648	9.656	11.124	11.124
89.5	2.627	4.712	6.644	7.957	8.034
90.0	0.464	2.318	4.403	5.871	6.335
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-8-00-L4-840-F-(L3)-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-8-00-L4-840-F-(L3)-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	386.67	N.A.	15.50
0-30	798.40	N.A.	32.10
0-40	1256.67	N.A.	50.50
0-60	2046.42	N.A.	82.20
0-80	2446.55	N.A.	98.30
0-90	2489.27	N.A.	100.00
10-90	2387.68	N.A.	95.90
20-40	870.01	N.A.	34.90
20-50	1300.99	N.A.	52.30
40-70	1046.87	N.A.	42.10
60-80	400.14	N.A.	16.10
70-80	143.01	N.A.	5.70
80-90	42.72	N.A.	1.70
90-110	0.11	N.A.	0.00
90-120	0.11	N.A.	0.00
90-130	0.11	N.A.	0.00
90-150	0.11	N.A.	0.00
90-180	0.11	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2489.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	101.59
10-20	285.07
20-30	411.73
30-40	458.27
40-50	430.98
50-60	358.77
60-70	257.12
70-80	143.01
80-90	42.72
90-100	0.11
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
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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-8-00-L4-840-F-(L3)-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

X=2H	Y=2H	18.2	19.8	18.6	20.1	20.4	17.2	18.8	17.6	19.1	19.4
	3H	19.9	21.3	20.3	21.6	22.0	18.9	20.3	19.3	20.6	21.0
	4H	20.5	21.8	20.9	22.1	22.5	19.5	20.8	19.9	21.2	21.6
	6H	20.9	22.1	21.3	22.5	22.9	20.0	21.2	20.4	21.6	22.0
	8H	21.0	22.2	21.5	22.6	23.0	20.1	21.3	20.6	21.7	22.1
	12H	21.1	22.2	21.5	22.6	23.0	20.3	21.4	20.7	21.8	22.2

UGR Viewed Endwise

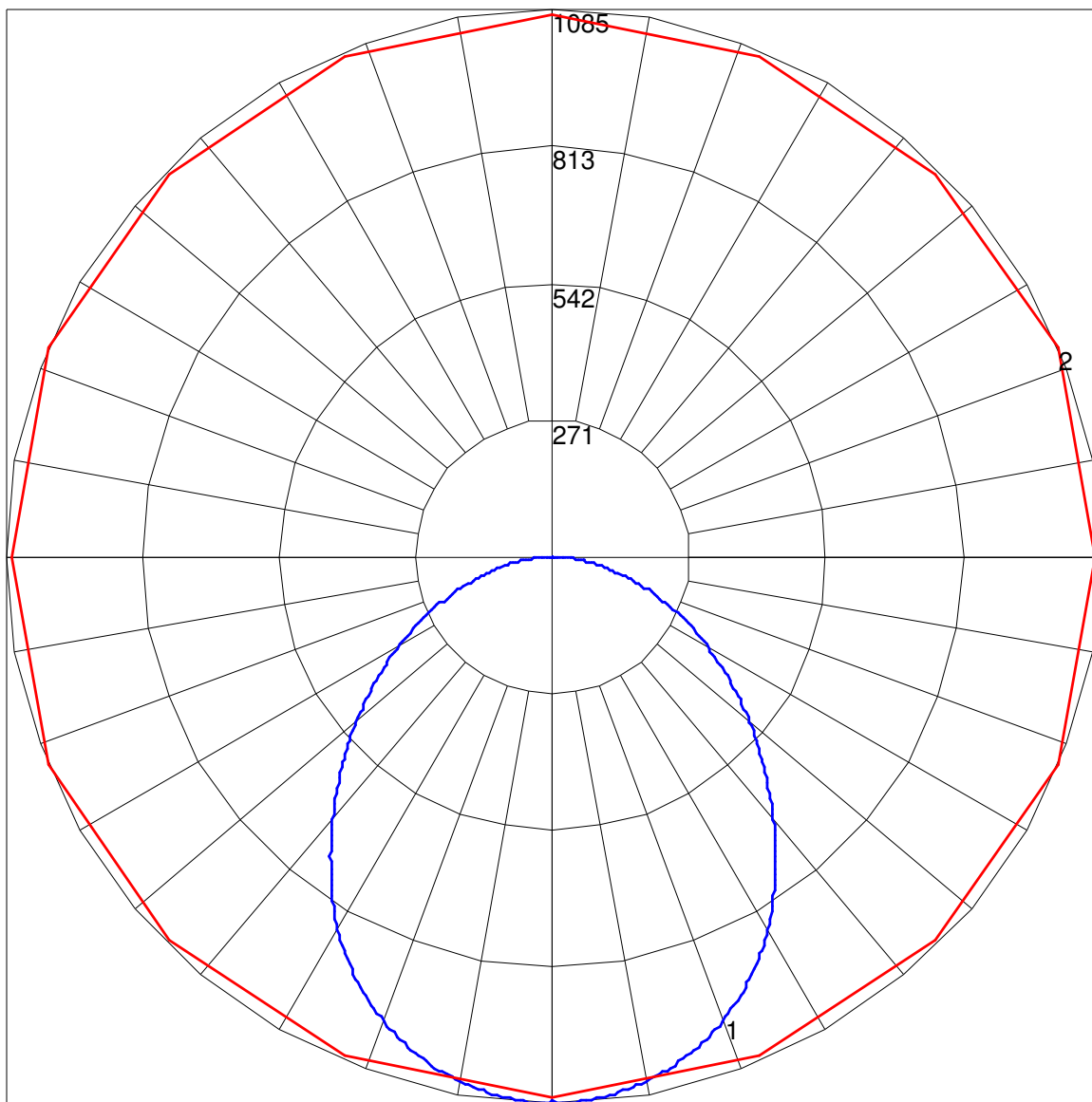
4H	2H	18.7	20.0	19.1	20.4	20.7	17.9	19.2	18.3	19.6	20.0
	3H	20.6	21.7	21.0	22.1	22.5	19.8	20.9	20.2	21.3	21.7
	4H	21.3	22.3	21.8	22.7	23.2	20.5	21.5	20.9	21.9	22.4
	6H	21.9	22.7	22.3	23.2	23.6	21.1	22.0	21.6	22.4	22.9
	8H	22.1	22.9	22.5	23.3	23.8	21.3	22.1	21.8	22.6	23.0
	12H	22.2	22.9	22.7	23.4	23.9	21.5	22.2	22.0	22.7	23.2

8H	4H	21.6	22.4	22.0	22.8	23.3	20.8	21.6	21.3	22.1	22.6
	6H	22.2	22.9	22.7	23.4	23.9	21.6	22.2	22.0	22.7	23.2
	8H	22.5	23.1	23.0	23.6	24.1	21.8	22.5	22.4	23.0	23.5
	12H	22.7	23.2	23.2	23.7	24.3	22.1	22.7	22.6	23.1	23.7

12H	4H	21.6	22.3	22.1	22.8	23.3	20.9	21.6	21.4	22.1	22.5
	6H	22.3	22.9	22.8	23.4	23.9	21.6	22.2	22.1	22.7	23.2
	8H	22.6	23.1	23.1	23.6	24.2	22.0	22.5	22.5	23.0	23.6

Maximum UGR = 24.3

POLAR GRAPH



Maximum Candela = 1084.592 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.)