



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2RG-8-00-L8-935-F-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] GEN FROM 13012869.02  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUEDATE] 31 MARCH 2020  
 [MANUFAC] WILLIAMS INDOOR  
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.  
 [LUMCAT] MX2RG-8-00-L8-935-F-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	5598
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	53.6
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)	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	15307	14204	13201
55	13695	12589	11567
65	12076	11051	10167
75	10022	9373	8741
85	7380	7941	7925

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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	2423.282	2423.282	2423.282	2423.282	2423.282
0.5	2419.808	2438.917	2419.808	2418.071	2414.597
1.0	2419.808	2438.917	2418.071	2418.071	2414.597
1.5	2419.808	2437.179	2418.071	2418.071	2412.860
2.0	2419.808	2437.179	2416.334	2416.334	2414.597
2.5	2418.071	2435.442	2414.597	2416.334	2412.860
3.0	2414.597	2433.705	2412.860	2414.597	2411.123
3.5	2414.597	2431.968	2411.123	2414.597	2409.385
4.0	2411.123	2430.231	2407.648	2411.123	2405.911
4.5	2409.385	2426.757	2405.911	2409.385	2402.437
5.0	2407.648	2423.282	2402.437	2405.911	2400.700
5.5	2404.174	2421.545	2398.963	2402.437	2397.226
6.0	2400.700	2418.071	2395.489	2398.963	2392.014
6.5	2397.226	2414.597	2392.014	2393.751	2388.540
7.0	2393.751	2409.385	2388.540	2390.277	2385.066
7.5	2388.540	2405.911	2383.329	2383.329	2379.854
8.0	2385.066	2400.700	2379.854	2378.117	2374.643
8.5	2379.854	2397.226	2374.643	2371.169	2367.695
9.0	2376.380	2392.014	2369.432	2365.957	2360.746
9.5	2371.169	2386.803	2364.220	2357.272	2353.798
10.0	2365.957	2379.854	2357.272	2350.323	2345.112
10.5	2360.746	2374.643	2352.061	2343.375	2336.426
11.0	2353.798	2369.432	2345.112	2334.689	2327.741
11.5	2346.849	2362.483	2338.164	2327.741	2317.318
12.0	2341.638	2355.535	2331.215	2317.318	2308.633
12.5	2334.689	2348.586	2322.529	2308.633	2296.473
13.0	2326.004	2341.638	2313.844	2298.210	2286.050
13.5	2320.792	2334.689	2303.421	2287.787	2275.627
14.0	2312.107	2326.004	2296.473	2277.364	2265.205
14.5	2303.421	2319.055	2286.050	2266.942	2253.045
15.0	2296.473	2308.633	2275.627	2254.782	2242.622
15.5	2287.787	2299.947	2265.205	2244.359	2230.462
16.0	2280.839	2291.261	2254.782	2232.199	2216.565
16.5	2272.153	2282.576	2244.359	2220.039	2204.405
17.0	2265.205	2273.890	2232.199	2207.880	2192.245
17.5	2254.782	2265.205	2220.039	2193.983	2178.349
18.0	2242.622	2256.519	2207.880	2180.086	2164.452
18.5	2232.199	2244.359	2195.720	2167.926	2150.555
19.0	2221.777	2233.936	2183.560	2154.029	2136.658
19.5	2209.617	2221.777	2169.663	2140.132	2121.024
20.0	2199.194	2209.617	2155.766	2124.498	2107.127
20.5	2187.034	2197.457	2143.606	2110.601	2091.493
21.0	2176.611	2185.297	2129.709	2094.967	2075.858
21.5	2166.189	2171.400	2115.812	2079.333	2060.224
22.0	2152.292	2159.240	2103.652	2061.961	2042.853
22.5	2140.132	2147.080	2088.018	2046.327	2025.482
23.0	2127.972	2133.183	2074.121	2028.956	2008.111
23.5	2115.812	2119.286	2060.224	2011.585	1989.002
24.0	2101.915	2107.127	2044.590	1994.214	1971.631
24.5	2088.018	2093.230	2028.956	1976.843	1954.260
25.0	2074.121	2079.333	2013.322	1959.471	1936.889
25.5	2060.224	2063.699	1995.951	1942.100	1919.518
26.0	2044.590	2049.802	1978.580	1924.729	1900.409
26.5	2030.693	2034.168	1962.946	1905.621	1883.038

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**CANDELA TABULATION - (Cont.)**

27.0	2015.059	2018.533	1945.574	1888.249	1863.930
27.5	1999.425	2002.899	1928.203	1870.878	1846.559
28.0	1982.054	1987.265	1912.569	1853.507	1829.187
28.5	1966.420	1969.894	1893.461	1834.399	1810.079
29.0	1949.049	1952.523	1876.090	1817.028	1792.708
29.5	1933.415	1936.889	1858.718	1799.656	1773.600
30.0	1916.043	1919.518	1839.610	1780.548	1756.228
30.5	1898.672	1902.146	1822.239	1763.177	1736.425
31.0	1881.301	1883.038	1803.131	1744.069	1717.838
31.5	1863.930	1863.930	1784.022	1724.960	1698.730
32.0	1844.821	1844.821	1763.177	1705.331	1680.142
32.5	1827.450	1827.450	1744.069	1684.833	1659.992
33.0	1810.079	1806.605	1725.134	1664.682	1639.841
33.5	1790.971	1787.497	1705.157	1644.010	1620.386
34.0	1773.600	1768.388	1685.006	1623.512	1600.582
34.5	1756.228	1749.280	1665.377	1603.014	1579.563
35.0	1737.120	1729.303	1645.053	1581.822	1558.544
35.5	1719.054	1709.500	1624.728	1561.150	1536.830
36.0	1700.467	1689.176	1604.925	1540.131	1514.595
36.5	1681.358	1669.720	1584.427	1518.590	1492.186
37.0	1662.945	1649.222	1564.277	1497.745	1469.256
37.5	1643.142	1629.419	1543.605	1476.031	1446.326
38.0	1623.165	1609.615	1522.933	1454.664	1423.570
38.5	1603.709	1589.639	1502.435	1433.471	1401.335
39.0	1584.080	1569.488	1481.416	1411.584	1378.578
39.5	1563.408	1550.206	1460.571	1390.565	1357.038
40.0	1542.910	1530.055	1440.073	1368.851	1339.667
40.5	1523.628	1509.905	1419.574	1349.395	1319.343
41.0	1502.609	1490.102	1399.598	1330.460	1299.539
41.5	1482.632	1470.125	1378.926	1309.962	1280.084
42.0	1462.655	1450.322	1358.080	1290.333	1261.323
42.5	1442.504	1429.650	1340.188	1271.051	1243.431
43.0	1423.222	1410.368	1322.991	1252.290	1226.059
43.5	1404.114	1390.391	1303.709	1235.266	1211.815
44.0	1384.311	1370.588	1284.600	1219.111	1194.444
44.5	1363.987	1350.785	1266.187	1202.608	1177.073
45.0	1344.705	1331.329	1247.773	1185.063	1159.701
45.5	1325.249	1315.174	1231.792	1167.692	1142.504
46.0	1306.488	1295.544	1215.637	1150.495	1125.133
46.5	1288.248	1275.915	1197.571	1133.123	1107.935
47.0	1275.394	1258.543	1179.505	1115.926	1090.738
47.5	1256.285	1239.435	1161.438	1098.555	1073.366
48.0	1237.177	1221.890	1143.199	1081.357	1056.343
48.5	1218.069	1202.782	1125.133	1063.812	1039.145
49.0	1199.308	1183.674	1106.893	1046.615	1022.295
49.5	1180.547	1164.739	1088.827	1029.417	1005.445
50.0	1161.960	1145.804	1070.761	1012.394	988.769
50.5	1143.199	1126.870	1052.695	995.543	972.266
51.0	1124.438	1108.109	1034.802	978.693	955.590
51.5	1105.677	1089.174	1016.910	961.670	939.261
52.0	1086.916	1070.413	999.365	944.820	922.758
52.5	1068.155	1052.000	981.994	928.143	906.256
53.0	1049.220	1033.760	964.796	911.467	889.927
53.5	1030.807	1015.520	947.773	894.791	873.424
54.0	1012.394	997.281	930.749	878.288	856.921
54.5	994.154	979.215	913.899	861.785	840.245

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**CANDELA TABULATION - (Cont.)**

55.0	975.914	961.322	897.049	845.630	824.263
55.5	957.848	943.430	880.025	829.475	807.935
56.0	939.782	925.885	863.175	813.320	792.300
56.5	922.063	908.340	846.325	797.338	776.493
57.0	904.345	890.795	829.649	781.530	761.032
57.5	886.973	873.424	812.798	765.896	745.746
58.0	869.429	856.053	796.122	750.436	730.633
58.5	852.405	838.682	779.619	734.975	715.520
59.0	835.207	821.484	763.464	719.863	700.581
59.5	818.010	804.634	747.483	704.750	685.641
60.0	800.812	787.784	731.849	689.810	671.049
60.5	783.789	770.934	716.041	675.045	656.631
61.0	766.938	754.084	700.407	660.453	642.387
61.5	750.088	737.407	684.773	645.861	628.490
62.0	733.238	720.905	669.660	631.617	614.593
62.5	716.562	704.228	654.547	617.546	600.870
63.0	699.712	687.900	639.434	603.475	587.320
63.5	683.036	671.571	624.668	589.579	573.944
64.0	666.533	655.242	609.729	575.508	560.569
64.5	650.204	639.086	594.964	561.611	547.193
65.0	634.049	622.931	580.198	547.714	533.817
65.5	617.894	606.950	565.433	533.817	520.267
66.0	601.565	591.142	550.667	520.094	505.155
66.5	585.583	575.160	536.075	506.197	491.779
67.0	569.428	559.353	521.483	492.300	478.403
67.5	553.446	543.545	506.892	478.577	465.201
68.0	537.465	527.737	492.300	464.853	452.172
68.5	521.657	512.103	477.534	451.477	438.970
69.0	505.849	496.295	463.116	437.928	426.116
69.5	489.868	480.661	448.698	424.726	413.261
70.0	474.060	465.201	434.627	411.524	400.580
70.5	458.426	449.914	420.557	398.669	388.073
71.0	442.618	434.280	407.007	385.814	375.739
71.5	427.158	419.167	393.284	373.133	363.406
72.0	411.871	404.054	379.734	360.626	351.419
72.5	396.585	389.289	366.359	348.293	339.260
73.0	381.645	374.697	353.157	335.959	327.447
73.5	366.359	360.105	339.954	323.973	315.635
74.0	351.419	345.861	326.926	311.813	303.996
74.5	336.828	331.616	314.071	300.001	292.531
75.0	322.236	317.893	301.390	288.188	281.066
75.5	307.818	303.996	288.883	276.550	269.775
76.0	293.747	290.273	276.550	265.085	259.005
76.5	279.850	276.723	264.390	253.793	248.061
77.0	266.127	263.521	252.230	242.676	237.117
77.5	252.577	250.493	240.417	231.732	226.694
78.0	239.201	237.638	228.605	220.962	216.445
78.5	226.173	224.957	217.314	210.365	206.196
79.0	213.318	212.623	206.196	199.943	196.121
79.5	200.811	200.464	195.079	189.694	186.219
80.0	188.478	188.478	184.308	179.618	176.318
80.5	176.491	176.839	173.712	169.717	166.764
81.0	164.505	165.374	163.289	159.815	157.209
81.5	153.040	154.083	153.040	150.087	147.829
82.0	141.749	143.139	142.965	140.533	138.622
82.5	130.631	132.369	132.890	131.153	129.415

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**CANDELA TABULATION - (Cont.)**

83.0	120.035	121.772	122.988	121.946	120.556
83.5	109.612	111.697	113.434	112.913	111.697
84.0	99.363	101.622	104.053	103.880	103.011
84.5	89.462	92.067	94.847	95.194	94.326
85.0	79.908	82.687	85.987	86.682	85.814
85.5	70.701	73.828	77.302	78.170	77.476
86.0	61.668	64.968	68.616	70.006	69.485
86.5	53.156	56.456	60.278	61.841	61.320
87.0	44.818	48.118	51.940	53.851	53.503
87.5	36.827	40.127	43.949	46.207	46.034
88.0	29.010	32.310	36.306	38.911	39.085
88.5	21.193	24.667	29.010	31.963	32.310
89.0	13.376	17.197	21.714	25.015	25.015
89.5	5.906	10.596	14.939	17.892	18.066
90.0	1.042	5.211	9.902	13.202	14.244
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

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : MX2RG-8-00-L8-935-F-DIM-UNV\_.IES

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 : MX2RG-8-00-L8-935-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 : MX2RG-8-00-L8-935-F-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	869.49	N.A.	15.50
0-30	1795.35	N.A.	32.10
0-40	2825.87	N.A.	50.50
0-60	4601.77	N.A.	82.20
0-80	5501.55	N.A.	98.30
0-90	5597.61	N.A.	100.00
10-90	5369.16	N.A.	95.90
20-40	1956.38	N.A.	34.90
20-50	2925.52	N.A.	52.30
40-70	2354.09	N.A.	42.10
60-80	899.78	N.A.	16.10
70-80	321.59	N.A.	5.70
80-90	96.06	N.A.	1.70
90-110	0.25	N.A.	0.00
90-120	0.25	N.A.	0.00
90-130	0.25	N.A.	0.00
90-150	0.25	N.A.	0.00
90-180	0.25	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	5597.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	228.45
10-20	641.04
20-30	925.86
30-40	1030.52
40-50	969.14
50-60	806.75
60-70	578.19
70-80	321.59
80-90	96.06
90-100	0.25
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 : MX2RG-8-00-L8-935-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	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	71	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 : MX2RG-8-00-L8-935-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

X=2H	Y=2H	21.0	22.6	21.4	22.9	23.2	20.0	21.6	20.4	21.9	22.2
	3H	22.7	24.1	23.1	24.4	24.8	21.7	23.1	22.1	23.4	23.8
	4H	23.3	24.6	23.7	24.9	25.3	22.3	23.6	22.7	24.0	24.4
	6H	23.7	24.9	24.1	25.3	25.7	22.8	24.0	23.2	24.4	24.8
	8H	23.8	25.0	24.3	25.4	25.8	22.9	24.1	23.4	24.5	24.9
	12H	23.9	25.0	24.3	25.4	25.8	23.1	24.2	23.5	24.6	25.0

UGR Viewed Endwise

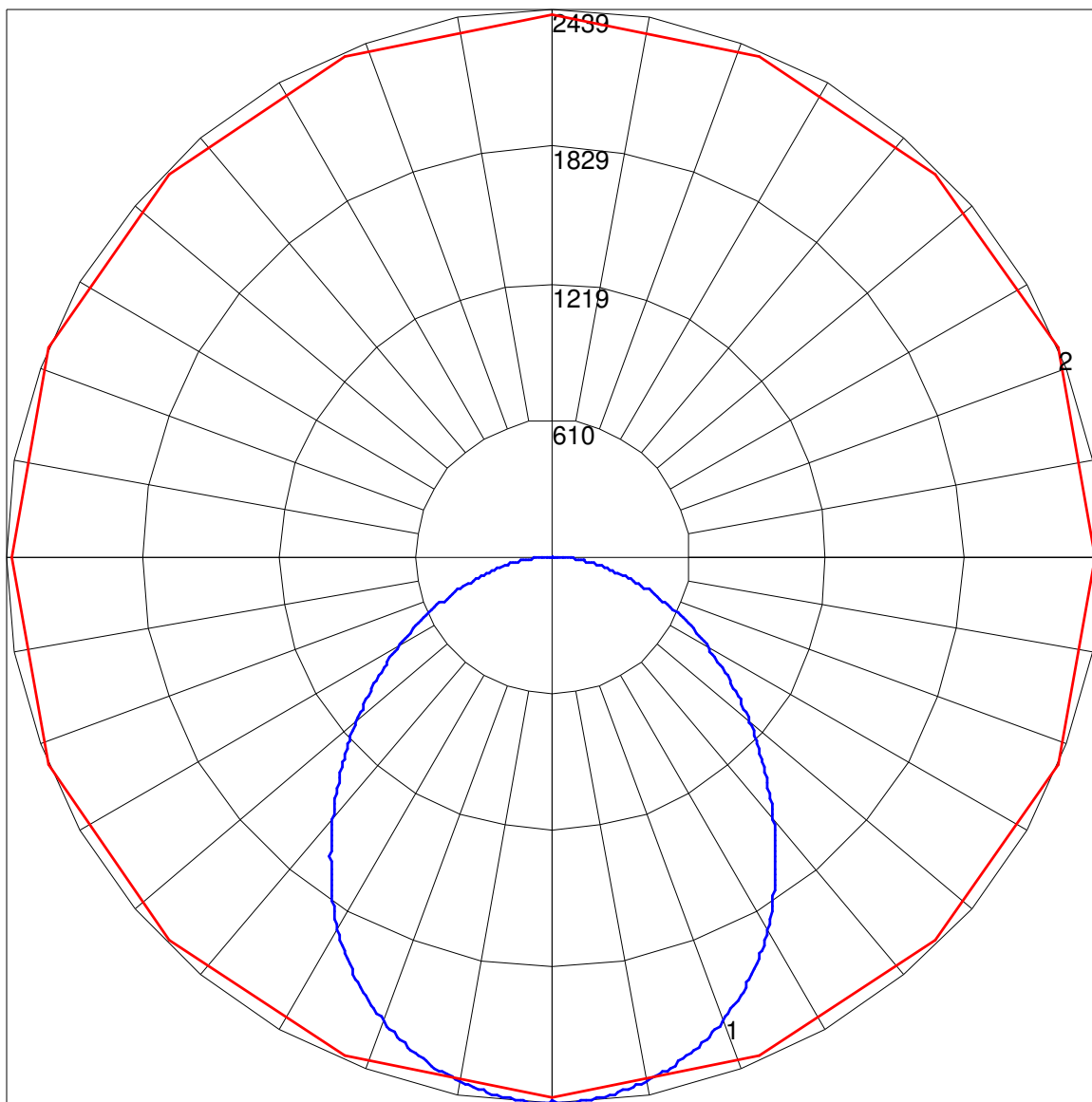
4H	2H	21.5	22.8	21.9	23.2	23.5	20.7	22.0	21.1	22.4	22.8
	3H	23.4	24.5	23.8	24.9	25.3	22.6	23.7	23.0	24.1	24.5
	4H	24.1	25.1	24.6	25.5	26.0	23.3	24.3	23.7	24.7	25.2
	6H	24.7	25.5	25.1	26.0	26.4	23.9	24.8	24.4	25.2	25.7
	8H	24.9	25.7	25.3	26.1	26.6	24.1	24.9	24.6	25.4	25.8
	12H	25.0	25.7	25.5	26.2	26.7	24.3	25.0	24.8	25.5	26.0

8H	4H	24.4	25.2	24.8	25.6	26.1	23.6	24.4	24.1	24.9	25.4
	6H	25.0	25.7	25.5	26.2	26.7	24.4	25.0	24.8	25.5	26.0
	8H	25.3	25.9	25.8	26.4	26.9	24.6	25.3	25.2	25.8	26.3
	12H	25.5	26.0	26.0	26.5	27.1	24.9	25.5	25.4	25.9	26.5

12H	4H	24.4	25.1	24.9	25.6	26.1	23.7	24.4	24.2	24.9	25.3
	6H	25.1	25.7	25.6	26.2	26.7	24.4	25.0	24.9	25.5	26.0
	8H	25.4	25.9	25.9	26.4	27.0	24.8	25.3	25.3	25.8	26.4

Maximum UGR = 27.1

POLAR GRAPH



Maximum Candela = 2438.917 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.)