



IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2RG-4-00-P8-835-F-POE X.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 13012869.02
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 12/05/2019
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] MX2RG-4-00-P8-835-F-POE x
 [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	3460
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	25.2
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	18924	17560	16321
55	16932	15563	14301
65	14930	13662	12570
75	12390	11588	10807
85	9124	9818	9798

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PHOTOMETRIC FILENAME : MX2RG-4-00-P8-835-F-POE X.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1497.951	1497.951	1497.951	1497.951	1497.951
0.5	1495.803	1507.615	1495.803	1494.730	1492.582
1.0	1495.803	1507.615	1494.730	1494.730	1492.582
1.5	1495.803	1506.541	1494.730	1494.730	1491.508
2.0	1495.803	1506.541	1493.656	1493.656	1492.582
2.5	1494.730	1505.468	1492.582	1493.656	1491.508
3.0	1492.582	1504.394	1491.508	1492.582	1490.434
3.5	1492.582	1503.320	1490.434	1492.582	1489.361
4.0	1490.434	1502.246	1488.287	1490.434	1487.213
4.5	1489.361	1500.099	1487.213	1489.361	1485.065
5.0	1488.287	1497.951	1485.065	1487.213	1483.992
5.5	1486.139	1496.877	1482.918	1485.065	1481.844
6.0	1483.992	1494.730	1480.770	1482.918	1478.623
6.5	1481.844	1492.582	1478.623	1479.696	1476.475
7.0	1479.696	1489.361	1476.475	1477.549	1474.327
7.5	1476.475	1487.213	1473.254	1473.254	1471.106
8.0	1474.327	1483.992	1471.106	1470.032	1467.885
8.5	1471.106	1481.844	1467.885	1465.737	1463.589
9.0	1468.958	1478.623	1464.663	1462.516	1459.294
9.5	1465.737	1475.401	1461.442	1457.147	1454.999
10.0	1462.516	1471.106	1457.147	1452.851	1449.630
10.5	1459.294	1467.885	1453.925	1448.556	1444.261
11.0	1454.999	1464.663	1449.630	1443.187	1438.892
11.5	1450.704	1460.368	1445.335	1438.892	1432.449
12.0	1447.482	1456.073	1441.040	1432.449	1427.080
12.5	1443.187	1451.778	1435.671	1427.080	1419.564
13.0	1437.818	1447.482	1430.302	1420.637	1413.121
13.5	1434.597	1443.187	1423.859	1414.195	1406.678
14.0	1429.228	1437.818	1419.564	1407.752	1400.235
14.5	1423.859	1433.523	1413.121	1401.309	1392.719
15.0	1419.564	1427.080	1406.678	1393.792	1386.276
15.5	1414.195	1421.711	1400.235	1387.350	1378.759
16.0	1409.899	1416.342	1393.792	1379.833	1370.169
16.5	1404.530	1410.973	1387.350	1372.316	1362.652
17.0	1400.235	1405.604	1379.833	1364.800	1355.136
17.5	1393.792	1400.235	1372.316	1356.209	1346.545
18.0	1386.276	1394.866	1364.800	1347.619	1337.955
18.5	1379.833	1387.350	1357.283	1340.102	1329.364
19.0	1373.390	1380.907	1349.767	1331.512	1320.774
19.5	1365.874	1373.390	1341.176	1322.922	1311.110
20.0	1359.431	1365.874	1332.586	1313.257	1302.519
20.5	1351.914	1358.357	1325.069	1304.667	1292.855
21.0	1345.471	1350.840	1316.479	1295.003	1283.191
21.5	1339.029	1342.250	1307.888	1285.339	1273.527
22.0	1330.438	1334.733	1300.372	1274.601	1262.789
22.5	1322.922	1327.217	1290.708	1264.936	1252.051
23.0	1315.405	1318.626	1282.117	1254.198	1241.313
23.5	1307.888	1310.036	1273.527	1243.460	1229.501
24.0	1299.298	1302.519	1263.863	1232.722	1218.763
24.5	1290.708	1293.929	1254.198	1221.984	1208.025
25.0	1282.117	1285.339	1244.534	1211.246	1197.287
25.5	1273.527	1275.674	1233.796	1200.508	1186.549
26.0	1263.863	1267.084	1223.058	1189.770	1174.737
26.5	1255.272	1257.420	1213.394	1177.959	1163.999

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PHOTOMETRIC FILENAME : MX2RG-4-00-P8-835-F-POE X.IES

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27.0	1245.608	1247.756	1202.656	1167.221	1152.187
27.5	1235.944	1238.091	1191.918	1156.483	1141.449
28.0	1225.206	1228.427	1182.254	1145.745	1130.711
28.5	1215.542	1217.689	1170.442	1133.933	1118.900
29.0	1204.804	1206.951	1159.704	1123.195	1108.162
29.5	1195.139	1197.287	1148.966	1112.457	1096.350
30.0	1184.401	1186.549	1137.154	1100.645	1085.612
30.5	1173.663	1175.811	1126.416	1089.907	1073.370
31.0	1162.925	1163.999	1114.604	1078.095	1061.881
31.5	1152.187	1152.187	1102.793	1066.283	1050.069
32.0	1140.376	1140.376	1089.907	1054.149	1038.579
32.5	1129.638	1129.638	1078.095	1041.479	1026.123
33.0	1118.900	1116.752	1066.391	1029.023	1013.667
33.5	1107.088	1104.940	1054.042	1016.244	1001.641
34.0	1096.350	1093.128	1041.586	1003.573	989.399
34.5	1085.612	1081.317	1029.452	990.903	976.406
35.0	1073.800	1068.968	1016.889	977.802	963.413
35.5	1062.632	1056.727	1004.325	965.024	949.991
36.0	1051.143	1044.163	992.084	952.031	936.246
36.5	1039.331	1032.137	979.413	938.716	922.394
37.0	1027.949	1019.466	966.957	925.830	908.220
37.5	1015.707	1007.224	954.179	912.408	894.046
38.0	1003.359	994.983	941.400	899.200	879.979
38.5	991.332	982.634	928.730	886.100	866.234
39.0	979.198	970.178	915.737	872.570	852.168
39.5	966.420	958.259	902.851	859.577	838.853
40.0	953.749	945.803	890.180	846.154	828.115
40.5	941.830	933.347	877.509	834.128	815.551
41.0	928.837	921.106	865.161	822.423	803.310
41.5	916.488	908.757	852.382	809.753	791.283
42.0	904.140	896.516	839.497	797.619	779.686
42.5	891.683	883.737	828.437	785.699	768.626
43.0	879.764	871.818	817.806	774.102	757.888
43.5	867.953	859.469	805.887	763.579	749.083
44.0	855.711	847.228	794.075	753.593	738.345
44.5	843.148	834.987	782.693	743.392	727.607
45.0	831.229	822.960	771.311	732.546	716.869
45.5	819.202	812.974	761.432	721.808	706.238
46.0	807.605	800.840	751.445	711.178	695.500
46.5	796.330	788.706	740.278	700.440	684.870
47.0	788.384	777.968	729.110	689.809	674.239
47.5	776.572	766.156	717.943	679.071	663.501
48.0	764.760	755.311	706.668	668.440	652.978
48.5	752.949	743.499	695.500	657.595	642.347
49.0	741.351	731.687	684.225	646.964	631.931
49.5	729.754	719.983	673.058	636.334	621.515
50.0	718.265	708.278	661.890	625.811	611.207
50.5	706.668	696.574	650.723	615.395	601.006
51.0	695.071	684.977	639.663	604.979	590.697
51.5	683.474	673.273	628.603	594.456	580.604
52.0	671.877	661.676	617.757	584.040	570.403
52.5	660.280	650.293	607.019	573.731	560.201
53.0	648.575	639.018	596.389	563.423	550.108
53.5	637.193	627.743	585.865	553.114	539.907
54.0	625.811	616.469	575.342	542.913	529.706
54.5	614.536	605.301	564.926	532.712	519.397

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PHOTOMETRIC FILENAME : MX2RG-4-00-P8-835-F-POE X.IES

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55.0	603.261	594.241	554.510	522.726	509.518
55.5	592.093	583.181	543.987	512.739	499.424
56.0	580.926	572.335	533.571	502.753	489.760
56.5	569.973	561.490	523.155	492.874	479.989
57.0	559.020	550.645	512.847	483.103	470.432
57.5	548.282	539.907	502.431	473.438	460.982
58.0	537.437	529.169	492.123	463.882	451.640
58.5	526.914	518.431	481.921	454.325	442.298
59.0	516.283	507.800	471.935	444.983	433.064
59.5	505.652	497.384	462.056	435.641	423.829
60.0	495.022	486.968	452.392	426.406	414.809
60.5	484.499	476.552	442.620	417.279	405.896
61.0	474.083	466.137	432.956	408.259	397.091
61.5	463.667	455.828	423.292	399.239	388.501
62.0	453.251	445.627	413.950	390.434	379.910
62.5	442.942	435.319	404.608	381.736	371.427
63.0	432.527	425.225	395.266	373.038	363.052
63.5	422.218	415.131	386.138	364.448	354.784
64.0	412.017	405.037	376.904	355.750	346.515
64.5	401.923	395.051	367.776	347.160	338.247
65.0	391.937	385.065	358.649	338.569	329.979
65.5	381.951	375.186	349.522	329.979	321.603
66.0	371.857	365.414	340.395	321.496	312.261
66.5	361.978	355.535	331.375	312.905	303.993
67.0	351.992	345.764	322.355	304.315	295.725
67.5	342.113	335.992	313.335	295.832	287.564
68.0	332.234	326.220	304.315	287.349	279.510
68.5	322.462	316.556	295.188	279.081	271.349
69.0	312.691	306.785	286.275	270.705	263.403
69.5	302.812	297.120	277.363	262.544	255.457
70.0	293.040	287.564	268.665	254.383	247.618
70.5	283.376	278.114	259.967	246.437	239.887
71.0	273.604	268.450	251.591	238.491	232.263
71.5	264.047	259.108	243.108	230.652	224.639
72.0	254.598	249.766	234.733	222.921	217.230
72.5	245.149	240.639	226.464	215.297	209.713
73.0	235.914	231.619	218.304	207.673	202.411
73.5	226.464	222.599	210.143	200.264	195.109
74.0	217.230	213.794	202.089	192.747	187.915
74.5	208.210	204.988	194.143	185.445	180.828
75.0	199.190	196.505	186.304	178.143	173.741
75.5	190.277	187.915	178.573	170.949	166.761
76.0	181.580	179.432	170.949	163.862	160.104
76.5	172.989	171.056	163.432	156.882	153.339
77.0	164.506	162.895	155.916	150.010	146.574
77.5	156.131	154.842	148.614	143.245	140.131
78.0	147.862	146.896	141.312	136.587	133.795
78.5	139.809	139.057	134.332	130.037	127.460
79.0	131.863	131.433	127.460	123.594	121.232
79.5	124.131	123.917	120.588	117.259	115.111
80.0	116.507	116.507	113.930	111.031	108.991
80.5	109.098	109.313	107.380	104.910	103.085
81.0	101.689	102.226	100.937	98.790	97.179
81.5	94.602	95.246	94.602	92.776	91.380
82.0	87.622	88.481	88.374	86.870	85.689
82.5	80.750	81.824	82.146	81.072	79.998

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CANDELA TABULATION - (Cont.)

83.0	74.200	75.273	76.025	75.381	74.522
83.5	67.757	69.045	70.119	69.797	69.045
84.0	61.421	62.817	64.321	64.213	63.676
84.5	55.301	56.911	58.629	58.844	58.307
85.0	49.395	51.113	53.153	53.583	53.046
85.5	43.704	45.636	47.784	48.321	47.891
86.0	38.120	40.160	42.415	43.274	42.952
86.5	32.858	34.898	37.261	38.227	37.905
87.0	27.704	29.744	32.107	33.288	33.073
87.5	22.765	24.805	27.167	28.563	28.456
88.0	17.932	19.973	22.442	24.053	24.160
88.5	13.100	15.248	17.932	19.758	19.973
89.0	8.268	10.631	13.422	15.463	15.463
89.5	3.651	6.550	9.235	11.060	11.168
90.0	0.644	3.221	6.121	8.161	8.805
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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 PHOTOMETRIC FILENAME : MX2RG-4-00-P8-835-F-POE X.IES

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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-4-00-P8-835-F-POE X.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-4-00-P8-835-F-POE X.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-4-00-P8-835-F-POE X.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	537.48	N.A.	15.50
0-30	1109.8	N.A.	32.10
0-40	1746.81	N.A.	50.50
0-60	2844.58	N.A.	82.20
0-80	3400.78	N.A.	98.30
0-90	3460.16	N.A.	100.00
10-90	3318.95	N.A.	95.90
20-40	1209.33	N.A.	34.90
20-50	1808.41	N.A.	52.30
40-70	1455.18	N.A.	42.10
60-80	556.20	N.A.	16.10
70-80	198.79	N.A.	5.70
80-90	59.38	N.A.	1.70
90-110	0.15	N.A.	0.00
90-120	0.15	N.A.	0.00
90-130	0.15	N.A.	0.00
90-150	0.15	N.A.	0.00
90-180	0.15	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3460.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	141.22
10-20	396.26
20-30	572.32
30-40	637.01
40-50	599.07
50-60	498.70
60-70	357.41
70-80	198.79
80-90	59.38
90-100	0.15
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-4-00-P8-835-F-POE X.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

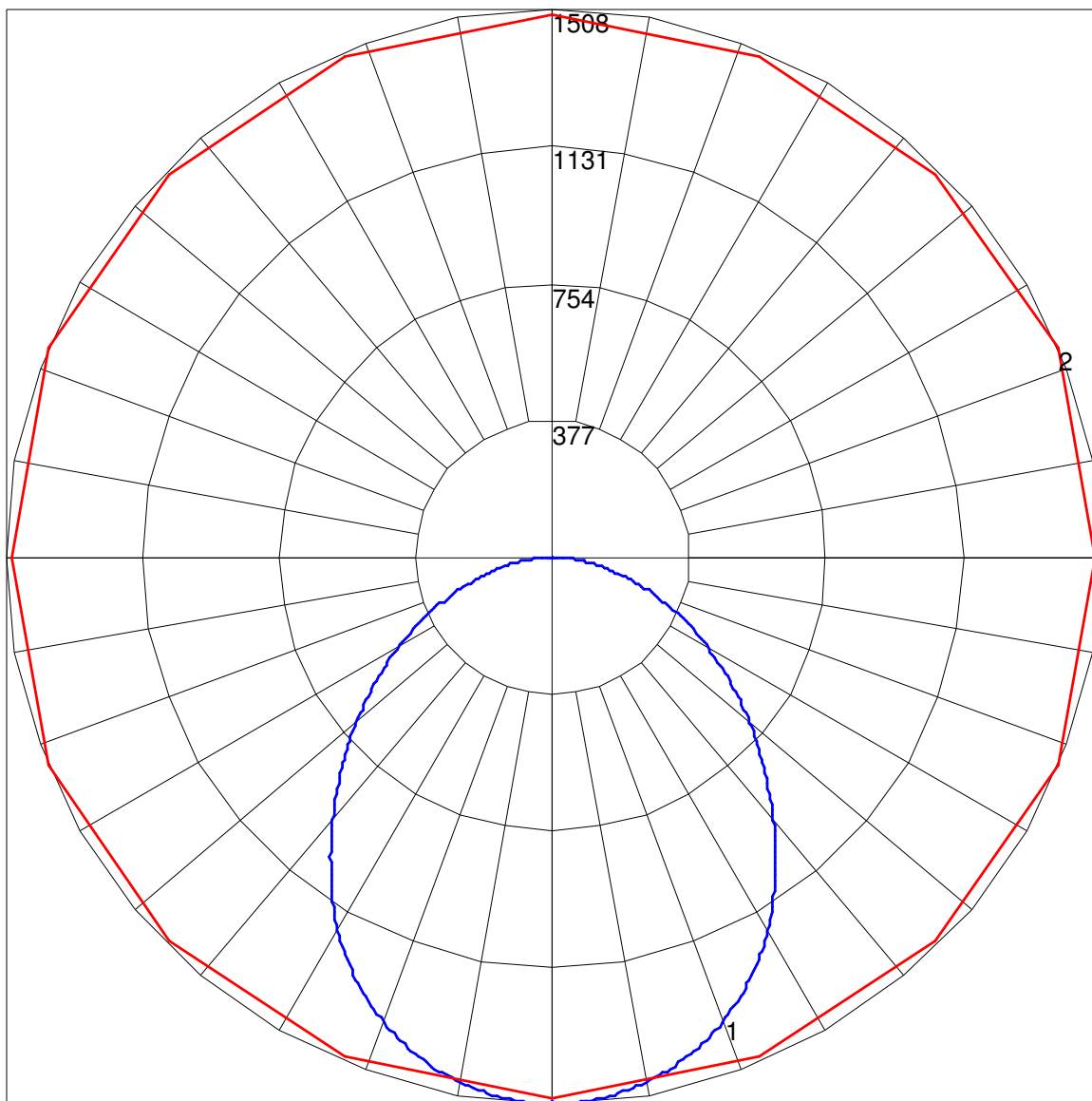
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2RG-4-00-P8-835-F-POE X.IES

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	21.7	23.3	22.1	23.6	23.9	20.8	22.3	21.1	22.6	23.0
	3H	23.4	24.8	23.8	25.1	25.5	22.4	23.8	22.8	24.1	24.5
	4H	24.0	25.3	24.4	25.7	26.0	23.0	24.3	23.4	24.7	25.1
	6H	24.4	25.6	24.8	26.0	26.4	23.5	24.7	23.9	25.1	25.5
	8H	24.5	25.7	25.0	26.1	26.5	23.7	24.8	24.1	25.2	25.6
	12H	24.6	25.7	25.0	26.1	26.6	23.8	24.9	24.2	25.3	25.7
4H	2H	22.2	23.5	22.6	23.9	24.3	21.4	22.8	21.8	23.1	23.5
	3H	24.1	25.2	24.5	25.6	26.0	23.3	24.4	23.7	24.8	25.2
	4H	24.8	25.8	25.3	26.2	26.7	24.0	25.0	24.4	25.4	25.9
	6H	25.4	26.3	25.8	26.7	27.2	24.6	25.5	25.1	25.9	26.4
	8H	25.6	26.4	26.0	26.8	27.3	24.8	25.6	25.3	26.1	26.6
	12H	25.7	26.4	26.2	26.9	27.4	25.0	25.7	25.5	26.2	26.7
8H	4H	25.1	25.9	25.5	26.3	26.8	24.3	25.2	24.8	25.6	26.1
	6H	25.7	26.4	26.2	26.9	27.4	25.1	25.7	25.6	26.2	26.7
	8H	26.0	26.6	26.5	27.1	27.6	25.4	26.0	25.9	26.5	27.0
	12H	26.2	26.7	26.7	27.2	27.8	25.6	26.2	26.1	26.7	27.2
12H	4H	25.1	25.8	25.6	26.3	26.8	24.4	25.1	24.9	25.6	26.1
	6H	25.8	26.4	26.3	26.9	27.4	25.1	25.8	25.7	26.2	26.8
	8H	26.1	26.6	26.6	27.1	27.7	25.5	26.0	26.0	26.5	27.1

Maximum UGR = 27.8

POLAR GRAPH



Maximum Candela = 1507.615 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.)