



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2RX-4-00-L8-835-D-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN from UL 13012869.02
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 07/20/2020
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] MX2Rx-4-00-L8-835-D-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	3542
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	26.8
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	19369	17972	16704
55	17329	15929	14636
65	15280	13983	12865
75	12680	11860	11060
85	9338	10048	10028

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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	1533.115	1533.115	1533.115	1533.115	1533.115
0.5	1530.917	1543.006	1530.917	1529.818	1527.620
1.0	1530.917	1543.006	1529.818	1529.818	1527.620
1.5	1530.917	1541.907	1529.818	1529.818	1526.521
2.0	1530.917	1541.907	1528.719	1528.719	1527.620
2.5	1529.818	1540.808	1527.620	1528.719	1526.521
3.0	1527.620	1539.709	1526.521	1527.620	1525.422
3.5	1527.620	1538.610	1525.422	1527.620	1524.323
4.0	1525.422	1537.511	1523.224	1525.422	1522.125
4.5	1524.323	1535.313	1522.125	1524.323	1519.927
5.0	1523.224	1533.115	1519.927	1522.125	1518.828
5.5	1521.026	1532.016	1517.729	1519.927	1516.630
6.0	1518.828	1529.818	1515.531	1517.729	1513.333
6.5	1516.630	1527.620	1513.333	1514.432	1511.135
7.0	1514.432	1524.323	1511.135	1512.234	1508.937
7.5	1511.135	1522.125	1507.838	1507.838	1505.640
8.0	1508.937	1518.828	1505.640	1504.541	1502.343
8.5	1505.640	1516.630	1502.343	1500.145	1497.947
9.0	1503.442	1513.333	1499.046	1496.848	1493.551
9.5	1500.145	1510.036	1495.749	1491.353	1489.154
10.0	1496.848	1505.640	1491.353	1486.956	1483.659
10.5	1493.551	1502.343	1488.055	1482.560	1478.164
11.0	1489.154	1499.046	1483.659	1477.065	1472.669
11.5	1484.758	1494.650	1479.263	1472.669	1466.075
12.0	1481.461	1490.254	1474.867	1466.075	1460.580
12.5	1477.065	1485.857	1469.372	1460.580	1452.887
13.0	1471.570	1481.461	1463.877	1453.986	1446.293
13.5	1468.273	1477.065	1457.283	1447.392	1439.699
14.0	1462.778	1471.570	1452.887	1440.798	1433.105
14.5	1457.283	1467.174	1446.293	1434.204	1425.412
15.0	1452.887	1460.580	1439.699	1426.511	1418.818
15.5	1447.392	1455.085	1433.105	1419.917	1411.125
16.0	1442.996	1449.590	1426.511	1412.224	1402.333
16.5	1437.501	1444.095	1419.917	1404.531	1394.640
17.0	1433.105	1438.600	1412.224	1396.838	1386.947
17.5	1426.511	1433.105	1404.531	1388.046	1378.155
18.0	1418.818	1427.610	1396.838	1379.254	1369.363
18.5	1412.224	1419.917	1389.145	1371.561	1360.571
19.0	1405.630	1413.323	1381.452	1362.769	1351.779
19.5	1397.937	1405.630	1372.660	1353.977	1341.888
20.0	1391.343	1397.937	1363.868	1344.086	1333.096
20.5	1383.650	1390.244	1356.175	1335.294	1323.204
21.0	1377.056	1382.551	1347.383	1325.402	1313.313
21.5	1370.462	1373.759	1338.591	1315.511	1303.422
22.0	1361.670	1366.066	1330.897	1304.521	1292.432
22.5	1353.977	1358.373	1321.006	1294.630	1281.442
23.0	1346.284	1349.581	1312.214	1283.640	1270.452
23.5	1338.591	1340.789	1303.422	1272.650	1258.363
24.0	1329.798	1333.096	1293.531	1261.660	1247.373
24.5	1321.006	1324.303	1283.640	1250.670	1236.383
25.0	1312.214	1315.511	1273.749	1239.680	1225.393
25.5	1303.422	1305.620	1262.759	1228.690	1214.403
26.0	1293.531	1296.828	1251.769	1217.700	1202.314
26.5	1284.739	1286.937	1241.878	1205.611	1191.324

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CANDELA TABULATION - (Cont.)

27.0	1274.848	1277.046	1230.888	1194.621	1179.235
27.5	1264.957	1267.155	1219.898	1183.631	1168.244
28.0	1253.967	1257.264	1210.007	1172.640	1157.254
28.5	1244.076	1246.274	1197.918	1160.551	1145.165
29.0	1233.086	1235.284	1186.928	1149.561	1134.175
29.5	1223.195	1225.393	1175.938	1138.571	1122.086
30.0	1212.205	1214.403	1163.848	1126.482	1111.096
30.5	1201.215	1203.413	1152.858	1115.492	1098.567
31.0	1190.225	1191.324	1140.769	1103.403	1086.808
31.5	1179.235	1179.235	1128.680	1091.314	1074.719
32.0	1167.145	1167.145	1115.492	1078.895	1062.960
32.5	1156.155	1156.155	1103.403	1065.927	1050.211
33.0	1145.165	1142.967	1091.424	1053.178	1037.463
33.5	1133.076	1130.878	1078.785	1040.100	1025.154
34.0	1122.086	1118.789	1066.037	1027.132	1012.625
34.5	1111.096	1106.700	1053.618	1014.164	999.327
35.0	1099.007	1094.061	1040.760	1000.756	986.029
35.5	1087.577	1081.533	1027.901	987.678	972.292
36.0	1075.818	1068.674	1015.373	974.380	958.224
36.5	1063.729	1056.366	1002.404	960.752	944.047
37.0	1052.079	1043.397	989.656	947.564	929.540
37.5	1039.551	1030.869	976.578	933.826	915.033
38.0	1026.912	1018.340	963.499	920.308	900.636
38.5	1014.603	1005.701	950.531	906.901	886.569
39.0	1002.184	992.953	937.233	893.053	872.172
39.5	989.106	980.754	924.045	879.755	858.544
40.0	976.138	968.005	911.077	866.018	847.554
40.5	963.939	955.257	898.109	853.709	834.696
41.0	950.641	942.728	885.470	841.729	822.167
41.5	938.002	930.090	872.392	828.761	809.858
42.0	925.364	917.561	859.204	816.342	797.989
42.5	912.615	904.483	847.884	804.143	786.669
43.0	900.416	892.284	837.004	792.274	775.679
43.5	888.327	879.645	824.805	781.504	766.667
44.0	875.799	867.117	812.716	771.283	755.677
44.5	862.940	854.588	801.066	760.843	744.687
45.0	850.741	842.279	789.417	749.743	733.697
45.5	838.432	832.058	779.306	738.753	722.817
46.0	826.563	819.639	769.085	727.872	711.827
46.5	815.024	807.221	757.655	716.882	700.947
47.0	806.891	796.231	746.226	706.002	690.067
47.5	794.802	784.142	734.796	695.012	679.076
48.0	782.713	773.042	723.257	684.132	668.306
48.5	770.624	760.952	711.827	673.032	657.426
49.0	758.754	748.863	700.287	662.152	646.766
49.5	746.885	736.884	688.858	651.272	636.105
50.0	735.126	724.905	677.428	640.501	625.555
50.5	723.257	712.926	665.998	629.841	615.114
51.0	711.387	701.057	654.678	619.181	604.564
51.5	699.518	689.077	643.359	608.410	594.233
52.0	687.649	677.208	632.259	597.750	583.793
52.5	675.779	665.559	621.269	587.199	573.352
53.0	663.800	654.019	610.388	576.649	563.021
53.5	652.151	642.479	599.618	566.099	552.581
54.0	640.501	630.940	588.848	555.658	542.140
54.5	628.962	619.510	578.188	545.217	531.590

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CANDELA TABULATION - (Cont.)

55.0	617.422	608.190	567.527	534.997	521.479
55.5	605.992	596.871	556.757	524.776	511.148
56.0	594.563	585.771	546.097	514.555	501.257
56.5	583.353	574.671	535.436	504.444	491.256
57.0	572.143	563.571	524.886	494.443	481.475
57.5	561.153	552.581	514.225	484.552	471.804
58.0	550.053	541.591	503.675	474.771	462.242
58.5	539.283	530.601	493.234	464.990	452.681
59.0	528.403	519.720	483.014	455.429	443.230
59.5	517.522	509.060	472.903	445.867	433.778
60.0	506.642	498.400	463.012	436.416	424.546
60.5	495.872	487.739	453.011	427.074	415.425
61.0	485.212	477.079	443.120	417.842	406.413
61.5	474.551	466.528	433.229	408.611	397.621
62.0	463.891	456.088	423.667	399.599	388.829
62.5	453.340	445.537	414.106	390.697	380.147
63.0	442.680	435.207	404.544	381.795	371.574
63.5	432.130	424.876	395.203	373.003	363.112
64.0	421.689	414.545	385.751	364.101	354.650
64.5	411.358	404.325	376.410	355.309	346.187
65.0	401.138	394.104	367.068	346.517	337.725
65.5	390.917	383.993	357.727	337.725	329.153
66.0	380.586	373.992	348.385	329.043	319.591
66.5	370.475	363.881	339.154	320.251	311.129
67.0	360.254	353.880	329.922	311.459	302.667
67.5	350.144	343.879	320.690	302.776	294.314
68.0	340.033	333.878	311.459	294.094	286.072
68.5	330.032	323.987	302.117	285.632	277.719
69.0	320.031	313.986	292.995	277.060	269.586
69.5	309.920	304.095	283.874	268.707	261.454
70.0	299.919	294.314	274.972	260.355	253.431
70.5	290.028	284.643	266.070	252.222	245.518
71.0	280.027	274.752	257.497	244.089	237.715
71.5	270.246	265.190	248.815	236.067	229.912
72.0	260.575	255.629	240.243	228.154	222.329
72.5	250.903	246.287	231.781	220.351	214.636
73.0	241.452	237.056	223.428	212.548	207.163
73.5	231.781	227.824	215.076	204.965	199.690
74.0	222.329	218.812	206.833	197.272	192.326
74.5	213.097	209.800	198.700	189.799	185.073
75.0	203.866	201.118	190.678	182.325	177.819
75.5	194.744	192.326	182.765	174.962	170.676
76.0	185.842	183.644	174.962	167.708	163.862
76.5	177.050	175.072	167.269	160.565	156.938
77.0	168.368	166.719	159.576	153.531	150.014
77.5	159.796	158.477	152.103	146.608	143.420
78.0	151.333	150.344	144.629	139.794	136.936
78.5	143.091	142.321	137.486	133.090	130.452
79.0	134.958	134.518	130.452	126.496	124.078
79.5	127.045	126.825	123.418	120.012	117.814
80.0	119.242	119.242	116.605	113.637	111.549
80.5	111.659	111.879	109.901	107.373	105.505
81.0	104.076	104.625	103.307	101.109	99.460
81.5	96.823	97.482	96.823	94.954	93.525
82.0	89.679	90.558	90.448	88.910	87.701
82.5	82.645	83.744	84.074	82.975	81.876

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CANDELA TABULATION - (Cont.)

83.0	75.941	77.040	77.810	77.150	76.271
83.5	69.347	70.666	71.765	71.435	70.666
84.0	62.863	64.292	65.831	65.721	65.171
84.5	56.599	58.247	60.006	60.226	59.676
85.0	50.554	52.313	54.401	54.840	54.291
85.5	44.730	46.708	48.906	49.455	49.016
86.0	39.015	41.103	43.411	44.290	43.960
86.5	33.630	35.718	38.136	39.125	38.795
87.0	28.354	30.442	32.860	34.069	33.849
87.5	23.299	25.387	27.805	29.234	29.124
88.0	18.353	20.442	22.969	24.618	24.728
88.5	13.408	15.606	18.353	20.222	20.442
89.0	8.462	10.880	13.738	15.826	15.826
89.5	3.737	6.704	9.451	11.320	11.430
90.0	0.659	3.297	6.264	8.352	9.012
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 : MX2RX-4-00-L8-835-D-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 : MX2RX-4-00-L8-835-D-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-L8-835-D-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	550.09	N.A.	15.50
0-30	1135.85	N.A.	32.10
0-40	1787.82	N.A.	50.50
0-60	2911.36	N.A.	82.20
0-80	3480.61	N.A.	98.30
0-90	3541.39	N.A.	100.00
10-90	3396.86	N.A.	95.90
20-40	1237.72	N.A.	34.90
20-50	1850.86	N.A.	52.30
40-70	1489.34	N.A.	42.10
60-80	569.26	N.A.	16.10
70-80	203.46	N.A.	5.70
80-90	60.77	N.A.	1.70
90-110	0.16	N.A.	0.00
90-120	0.16	N.A.	0.00
90-130	0.16	N.A.	0.00
90-150	0.16	N.A.	0.00
90-180	0.16	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3541.54	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	144.53
10-20	405.56
20-30	585.76
30-40	651.97
40-50	613.14
50-60	510.40
60-70	365.80
70-80	203.46
80-90	60.77
90-100	0.16
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-L8-835-D-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	92	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	33	29	39	33	29	27

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2RX-4-00-L8-835-D-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

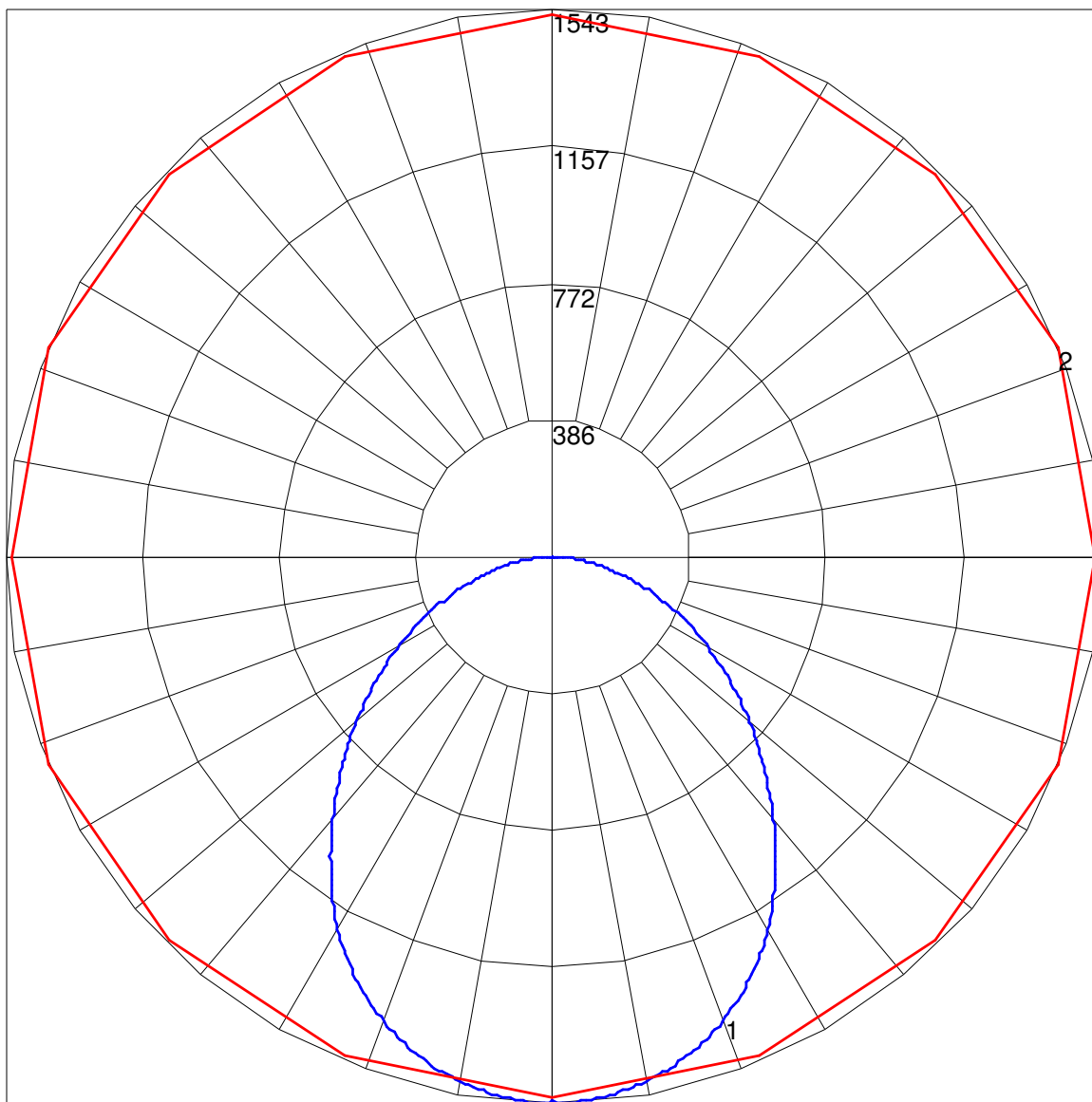
X=2H	Y=2H	21.8	23.4	22.2	23.7	24.0	20.9	22.4	21.2	22.7	23.1
	3H	23.5	24.9	23.9	25.2	25.6	22.5	23.9	22.9	24.2	24.6
	4H	24.1	25.4	24.5	25.8	26.1	23.1	24.4	23.5	24.8	25.2
	6H	24.5	25.7	24.9	26.1	26.5	23.6	24.8	24.0	25.2	25.6
	8H	24.6	25.8	25.1	26.2	26.6	23.8	24.9	24.2	25.3	25.7
	12H	24.7	25.8	25.1	26.2	26.7	23.9	25.0	24.3	25.4	25.8

UGR Viewed Endwise

4H	2H	22.3	23.6	22.7	24.0	24.4	21.5	22.9	21.9	23.2	23.6
	3H	24.2	25.3	24.6	25.7	26.1	23.4	24.5	23.8	24.9	25.3
	4H	24.9	25.9	25.4	26.3	26.8	24.1	25.1	24.5	25.5	26.0
	6H	25.5	26.4	25.9	26.8	27.3	24.7	25.6	25.2	26.0	26.5
	8H	25.7	26.5	26.1	26.9	27.4	24.9	25.7	25.4	26.2	26.7
	12H	25.8	26.5	26.3	27.0	27.5	25.1	25.8	25.6	26.3	26.8
8H	4H	25.2	26.0	25.6	26.4	26.9	24.4	25.3	24.9	25.7	26.2
	6H	25.8	26.5	26.3	27.0	27.5	25.2	25.8	25.7	26.3	26.8
	8H	26.1	26.7	26.6	27.2	27.7	25.4	26.1	26.0	26.6	27.1
	12H	26.3	26.8	26.8	27.3	27.9	25.7	26.3	26.2	26.8	27.3
12H	4H	25.2	25.9	25.7	26.4	26.9	24.5	25.2	25.0	25.7	26.2
	6H	25.9	26.5	26.4	27.0	27.5	25.2	25.9	25.8	26.3	26.9
	8H	26.2	26.7	26.7	27.2	27.8	25.6	26.1	26.1	26.6	27.2

Maximum UGR = 27.9

POLAR GRAPH



Maximum Candela = 1543.006 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.)