



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2RX-4-00-L8-835-R-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-R-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	3069
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
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	16787	15577	14477
55	15019	13806	12685
65	13244	12119	11150
75	10990	10279	9586
85	8093	8709	8691

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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	1328.757	1328.757	1328.757	1328.757	1328.757
0.5	1326.852	1337.330	1326.852	1325.899	1323.994
1.0	1326.852	1337.330	1325.899	1325.899	1323.994
1.5	1326.852	1336.377	1325.899	1325.899	1323.042
2.0	1326.852	1336.377	1324.947	1324.947	1323.994
2.5	1325.899	1335.425	1323.994	1324.947	1323.042
3.0	1323.994	1334.472	1323.042	1323.994	1322.089
3.5	1323.994	1333.520	1322.089	1323.994	1321.137
4.0	1322.089	1332.567	1320.184	1322.089	1319.232
4.5	1321.137	1330.662	1319.232	1321.137	1317.327
5.0	1320.184	1328.757	1317.327	1319.232	1316.374
5.5	1318.279	1327.805	1315.422	1317.327	1314.469
6.0	1316.374	1325.899	1313.517	1315.422	1311.612
6.5	1314.469	1323.994	1311.612	1312.564	1309.707
7.0	1312.564	1321.137	1309.707	1310.659	1307.802
7.5	1309.707	1319.232	1306.849	1306.849	1304.944
8.0	1307.802	1316.374	1304.944	1303.992	1302.087
8.5	1304.944	1314.469	1302.087	1300.182	1298.277
9.0	1303.039	1311.612	1299.229	1297.324	1294.467
9.5	1300.182	1308.754	1296.372	1292.561	1290.656
10.0	1297.324	1304.944	1292.561	1288.751	1285.894
10.5	1294.467	1302.087	1289.704	1284.941	1281.131
11.0	1290.656	1299.229	1285.894	1280.179	1276.369
11.5	1286.846	1295.419	1282.084	1276.369	1270.654
12.0	1283.989	1291.609	1278.274	1270.654	1265.891
12.5	1280.179	1287.799	1273.511	1265.891	1259.223
13.0	1275.416	1283.989	1268.749	1260.176	1253.508
13.5	1272.559	1280.179	1263.034	1254.461	1247.793
14.0	1267.796	1275.416	1259.223	1248.746	1242.078
14.5	1263.034	1271.606	1253.508	1243.031	1235.411
15.0	1259.223	1265.891	1247.793	1236.363	1229.696
15.5	1254.461	1261.129	1242.078	1230.648	1223.028
16.0	1250.651	1256.366	1236.363	1223.980	1215.408
16.5	1245.888	1251.603	1230.648	1217.313	1208.740
17.0	1242.078	1246.841	1223.980	1210.645	1202.073
17.5	1236.363	1242.078	1217.313	1203.025	1194.453
18.0	1229.696	1237.316	1210.645	1195.405	1186.832
18.5	1223.980	1230.648	1203.978	1188.737	1179.212
19.0	1218.265	1224.933	1197.310	1181.117	1171.592
19.5	1211.598	1218.265	1189.690	1173.497	1163.020
20.0	1205.883	1211.598	1182.070	1164.925	1155.399
20.5	1199.215	1204.930	1175.402	1157.305	1146.827
21.0	1193.500	1198.263	1167.782	1148.732	1138.254
21.5	1187.785	1190.642	1160.162	1140.159	1129.682
22.0	1180.165	1183.975	1153.494	1130.634	1120.156
22.5	1173.497	1177.307	1144.922	1122.061	1110.631
23.0	1166.830	1169.687	1137.302	1112.536	1101.106
23.5	1160.162	1162.067	1129.682	1103.011	1090.629
24.0	1152.542	1155.399	1121.109	1093.486	1081.103
24.5	1144.922	1147.779	1112.536	1083.961	1071.578
25.0	1137.302	1140.159	1103.964	1074.436	1062.053
25.5	1129.682	1131.587	1094.439	1064.911	1052.528
26.0	1121.109	1123.967	1084.913	1055.386	1042.050
26.5	1113.489	1115.394	1076.341	1044.908	1032.525

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CANDELA TABULATION - (Cont.)

27.0	1104.916	1106.821	1066.816	1035.383	1022.048
27.5	1096.344	1098.249	1057.291	1025.858	1012.522
28.0	1086.818	1089.676	1048.718	1016.332	1002.997
28.5	1078.246	1080.151	1038.240	1005.855	992.520
29.0	1068.721	1070.626	1028.715	996.330	982.994
29.5	1060.148	1062.053	1019.190	986.804	972.517
30.0	1050.623	1052.528	1008.712	976.327	962.992
30.5	1041.098	1043.003	999.187	966.802	952.133
31.0	1031.573	1032.525	988.710	956.324	941.941
31.5	1022.048	1022.048	978.232	945.846	931.463
32.0	1011.570	1011.570	966.802	935.083	921.272
32.5	1002.045	1002.045	956.324	923.843	910.222
33.0	992.520	990.615	945.942	912.794	899.173
33.5	982.042	980.137	934.988	901.459	888.505
34.0	972.517	969.659	923.939	890.220	877.646
34.5	962.992	959.182	913.175	878.980	866.121
35.0	952.514	948.228	902.031	867.359	854.596
35.5	942.608	937.369	890.886	856.024	842.689
36.0	932.416	926.225	880.028	844.499	830.497
36.5	921.938	915.556	868.788	832.688	818.210
37.0	911.842	904.317	857.739	821.258	805.636
37.5	900.983	893.458	846.404	809.351	793.063
38.0	890.029	882.599	835.069	797.635	780.585
38.5	879.361	871.646	823.829	786.015	768.393
39.0	868.598	860.596	812.304	774.013	755.915
39.5	857.263	850.023	800.874	762.487	744.104
40.0	846.023	838.974	789.634	750.581	734.579
40.5	835.450	827.925	778.394	739.913	723.434
41.0	823.925	817.067	767.441	729.530	712.576
41.5	812.971	806.113	756.106	718.291	701.908
42.0	802.017	795.254	744.675	707.527	691.620
42.5	790.968	783.919	734.865	696.954	681.810
43.0	780.395	773.346	725.435	686.667	672.284
43.5	769.917	762.392	714.862	677.333	664.474
44.0	759.058	751.534	704.384	668.474	654.949
44.5	747.914	740.675	694.287	659.425	645.423
45.0	737.341	730.007	684.191	649.805	635.898
45.5	726.673	721.148	675.428	640.280	626.468
46.0	716.386	710.385	666.569	630.850	616.943
46.5	706.384	699.622	656.663	621.325	607.513
47.0	699.336	690.096	646.757	611.895	598.084
47.5	688.858	679.619	636.851	602.370	588.558
48.0	678.380	669.998	626.849	592.940	579.224
48.5	667.903	659.521	616.943	583.320	569.794
49.0	657.616	649.043	606.942	573.890	560.554
49.5	647.329	638.661	597.036	564.460	551.315
50.0	637.137	628.278	587.130	555.125	542.171
50.5	626.849	617.896	577.223	545.886	533.122
51.0	616.562	607.609	567.413	536.646	523.978
51.5	606.275	597.226	557.602	527.312	515.024
52.0	595.988	586.939	547.981	518.072	505.975
52.5	585.701	576.842	538.456	508.928	496.927
53.0	575.318	566.841	529.026	499.784	487.973
53.5	565.222	556.840	519.692	490.640	478.924
54.0	555.125	546.838	510.357	481.591	469.875
54.5	545.124	536.932	501.118	472.542	460.731

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CANDELA TABULATION - (Cont.)

55.0	535.122	527.121	491.878	463.684	451.968
55.5	525.216	517.310	482.544	454.825	443.014
56.0	515.310	507.690	473.304	445.967	434.442
56.5	505.594	498.070	464.065	437.204	425.774
57.0	495.879	488.449	454.921	428.536	417.296
57.5	486.354	478.924	445.681	419.963	408.914
58.0	476.733	469.399	436.537	411.486	400.627
58.5	467.399	459.874	427.488	403.009	392.341
59.0	457.969	450.444	418.630	394.722	384.149
59.5	448.539	441.204	409.867	386.435	375.957
60.0	439.109	431.965	401.294	378.243	367.956
60.5	429.774	422.726	392.626	370.147	360.050
61.0	420.535	413.486	384.054	362.146	352.240
61.5	411.296	404.342	375.481	354.145	344.620
62.0	402.056	395.293	367.194	346.334	336.999
62.5	392.912	386.149	358.907	338.619	329.475
63.0	383.673	377.196	350.620	330.903	322.045
63.5	374.529	368.242	342.524	323.283	314.711
64.0	365.480	359.288	334.332	315.568	307.376
64.5	356.526	350.430	326.236	307.948	300.042
65.0	347.668	341.572	318.140	300.328	292.708
65.5	338.809	332.808	310.043	292.708	285.278
66.0	329.856	324.141	301.947	285.183	276.991
66.5	321.092	315.377	293.946	277.563	269.657
67.0	312.234	306.710	285.945	269.942	262.322
67.5	303.471	298.042	277.944	262.418	255.083
68.0	294.708	289.374	269.942	254.893	247.939
68.5	286.040	280.801	261.846	247.558	240.700
69.0	277.372	272.133	253.940	240.129	233.652
69.5	268.609	263.561	246.034	232.890	226.603
70.0	259.941	255.083	238.319	225.651	219.650
70.5	251.368	246.701	230.604	218.602	212.792
71.0	242.701	238.128	223.174	211.553	206.029
71.5	234.223	229.842	215.649	204.600	199.266
72.0	225.841	221.555	208.220	197.742	192.694
72.5	217.459	213.458	200.885	190.979	186.026
73.0	209.267	205.457	193.646	184.216	179.549
73.5	200.885	197.456	186.407	177.644	173.072
74.0	192.694	189.646	179.263	170.976	166.690
74.5	184.692	181.835	172.215	164.499	160.403
75.0	176.691	174.310	165.261	158.022	154.117
75.5	168.785	166.690	158.403	151.640	147.925
76.0	161.070	159.165	151.640	145.354	142.020
76.5	153.450	151.735	144.973	139.162	136.019
77.0	145.925	144.496	138.305	133.066	130.018
77.5	138.496	137.353	131.828	127.065	124.303
78.0	131.161	130.304	125.351	121.160	118.683
78.5	124.017	123.351	119.160	115.349	113.063
79.0	116.969	116.588	113.063	109.634	107.539
79.5	110.111	109.920	106.967	104.015	102.110
80.0	103.348	103.348	101.062	98.490	96.680
80.5	96.775	96.966	95.251	93.061	91.441
81.0	90.203	90.679	89.536	87.631	86.203
81.5	83.916	84.488	83.916	82.297	81.059
82.0	77.725	78.487	78.392	77.058	76.011
82.5	71.629	72.582	72.867	71.915	70.962

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CANDELA TABULATION - (Cont.)

83.0	65.819	66.771	67.438	66.866	66.104
83.5	60.104	61.247	62.199	61.913	61.247
84.0	54.484	55.722	57.056	56.960	56.484
84.5	49.054	50.483	52.007	52.198	51.722
85.0	43.816	45.340	47.149	47.530	47.054
85.5	38.767	40.482	42.387	42.863	42.482
86.0	33.814	35.624	37.624	38.386	38.101
86.5	29.147	30.957	33.052	33.909	33.624
87.0	24.575	26.385	28.480	29.528	29.337
87.5	20.193	22.003	24.099	25.337	25.242
88.0	15.907	17.717	19.908	21.336	21.432
88.5	11.621	13.526	15.907	17.526	17.717
89.0	7.334	9.430	11.906	13.716	13.716
89.5	3.239	5.810	8.192	9.811	9.906
90.0	0.572	2.858	5.429	7.239	7.811
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-R-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-R-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-R-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	476.77	N.A.	15.50
0-30	984.45	N.A.	32.10
0-40	1549.51	N.A.	50.50
0-60	2523.28	N.A.	82.20
0-80	3016.66	N.A.	98.30
0-90	3069.33	N.A.	100.00
10-90	2944.07	N.A.	95.90
20-40	1072.74	N.A.	34.90
20-50	1604.15	N.A.	52.30
40-70	1290.82	N.A.	42.10
60-80	493.38	N.A.	16.10
70-80	176.34	N.A.	5.70
80-90	52.67	N.A.	1.70
90-110	0.14	N.A.	0.00
90-120	0.14	N.A.	0.00
90-130	0.14	N.A.	0.00
90-150	0.14	N.A.	0.00
90-180	0.14	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3069.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	125.26
10-20	351.50
20-30	507.68
30-40	565.06
40-50	531.41
50-60	442.37
60-70	317.04
70-80	176.34
80-90	52.67
90-100	0.14
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-R-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	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-4-00-L8-835-R-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	21.3	22.9	21.7	23.2	23.5	20.4	21.9	20.7	22.2	22.6
	3H	23.0	24.4	23.4	24.7	25.1	22.0	23.4	22.4	23.7	24.1
	4H	23.6	24.9	24.0	25.3	25.6	22.6	23.9	23.0	24.3	24.7
	6H	24.0	25.2	24.4	25.6	26.0	23.1	24.3	23.5	24.7	25.1
	8H	24.1	25.3	24.6	25.7	26.1	23.3	24.4	23.7	24.8	25.2
	12H	24.2	25.3	24.6	25.7	26.2	23.4	24.5	23.8	24.9	25.3

UGR Viewed Endwise

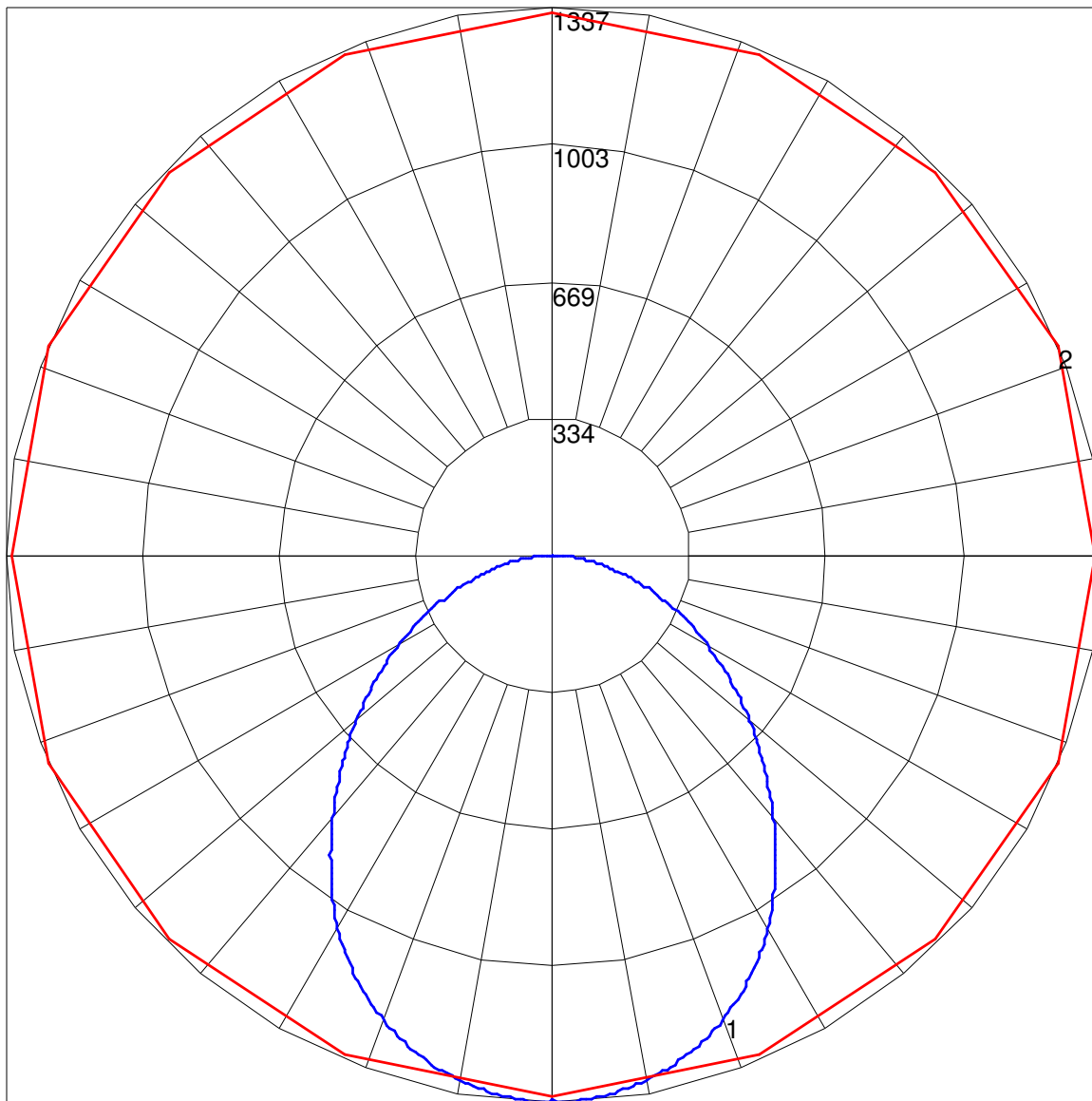
4H	2H	21.8	23.1	22.2	23.5	23.9	21.0	22.4	21.4	22.7	23.1
	3H	23.7	24.8	24.1	25.2	25.6	22.9	24.0	23.3	24.4	24.8
	4H	24.4	25.4	24.9	25.8	26.3	23.6	24.6	24.0	25.0	25.5
	6H	25.0	25.9	25.4	26.3	26.8	24.2	25.1	24.7	25.5	26.0
	8H	25.2	26.0	25.6	26.4	26.9	24.4	25.2	24.9	25.7	26.2
	12H	25.3	26.0	25.8	26.5	27.0	24.6	25.3	25.1	25.8	26.3

8H	4H	24.7	25.5	25.1	25.9	26.4	23.9	24.8	24.4	25.2	25.7
	6H	25.3	26.0	25.8	26.5	27.0	24.7	25.3	25.2	25.8	26.3
	8H	25.6	26.2	26.1	26.7	27.2	24.9	25.6	25.5	26.1	26.6
	12H	25.8	26.3	26.3	26.8	27.4	25.2	25.8	25.7	26.3	26.8

12H	4H	24.7	25.4	25.2	25.9	26.4	24.0	24.7	24.5	25.2	25.7
	6H	25.4	26.0	25.9	26.5	27.0	24.7	25.4	25.3	25.8	26.4
	8H	25.7	26.2	26.2	26.7	27.3	25.1	25.6	25.6	26.1	26.7

Maximum UGR = 27.4

POLAR GRAPH



Maximum Candela = 1337.33 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.)