



IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2S-4-00-P8-835-F-POE X.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 13012869.06
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 12/05/2019
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] MX2S-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	3208
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	25.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.08
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	17967	16494	15200
55	15969	14408	13085
65	13837	12359	11213
75	11378	10442	9727
85	8418	9132	9171

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2S-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	1417.413	1417.413	1417.413	1417.413	1417.413
0.5	1414.277	1417.413	1417.413	1416.368	1424.730
1.0	1414.277	1417.413	1416.368	1416.368	1424.730
1.5	1413.232	1417.413	1416.368	1415.323	1423.685
2.0	1412.187	1416.368	1415.323	1414.277	1422.640
2.5	1412.187	1416.368	1415.323	1413.232	1421.594
3.0	1411.141	1415.323	1414.277	1412.187	1419.504
3.5	1410.096	1414.277	1413.232	1411.141	1417.413
4.0	1408.006	1413.232	1412.187	1409.051	1416.368
4.5	1406.960	1411.141	1411.141	1408.006	1413.232
5.0	1404.870	1410.096	1409.051	1405.915	1412.187
5.5	1403.824	1408.006	1406.960	1403.824	1409.051
6.0	1401.734	1405.915	1404.870	1400.689	1406.960
6.5	1399.643	1403.824	1402.779	1397.553	1403.824
7.0	1396.507	1401.734	1399.643	1394.417	1400.689
7.5	1394.417	1398.598	1396.507	1391.281	1397.553
8.0	1391.281	1395.462	1393.372	1388.145	1394.417
8.5	1389.190	1393.372	1390.236	1383.964	1390.236
9.0	1386.055	1389.190	1386.055	1379.783	1385.009
9.5	1382.919	1386.055	1381.873	1374.556	1380.828
10.0	1378.738	1382.919	1377.692	1370.375	1375.602
10.5	1375.602	1378.738	1372.466	1365.149	1369.330
11.0	1371.420	1374.556	1368.285	1359.922	1364.103
11.5	1367.239	1370.375	1363.058	1353.651	1357.832
12.0	1363.058	1366.194	1357.832	1347.379	1350.515
12.5	1358.877	1362.013	1352.605	1341.107	1344.243
13.0	1354.696	1356.786	1347.379	1334.835	1336.926
13.5	1349.469	1352.605	1341.107	1327.518	1329.609
14.0	1345.288	1347.379	1334.835	1321.247	1322.292
14.5	1340.062	1342.152	1328.564	1313.930	1314.975
15.0	1334.835	1335.881	1322.292	1306.612	1307.658
15.5	1329.609	1330.654	1316.020	1298.250	1299.295
16.0	1324.382	1324.382	1308.703	1290.933	1290.933
16.5	1318.111	1319.156	1302.431	1282.571	1282.571
17.0	1311.839	1312.884	1295.114	1274.209	1274.209
17.5	1306.612	1306.612	1287.797	1265.846	1264.801
18.0	1300.341	1299.295	1279.435	1257.484	1256.439
18.5	1294.069	1293.024	1272.118	1248.076	1247.031
19.0	1286.752	1285.707	1263.756	1239.714	1237.623
19.5	1280.480	1278.390	1255.393	1230.306	1228.216
20.0	1273.163	1271.073	1247.031	1220.899	1218.808
20.5	1265.846	1263.756	1238.669	1211.491	1208.355
21.0	1258.529	1256.439	1229.261	1202.083	1198.948
21.5	1252.257	1249.122	1220.899	1192.676	1188.495
22.0	1243.895	1240.759	1211.491	1182.223	1178.042
22.5	1236.578	1232.397	1202.083	1172.815	1167.589
23.0	1229.261	1224.035	1193.721	1162.362	1157.136
23.5	1220.899	1215.672	1184.314	1151.910	1146.683
24.0	1212.536	1207.310	1174.906	1141.457	1136.230
24.5	1205.219	1197.902	1164.453	1131.004	1124.732
25.0	1196.857	1189.540	1155.045	1120.551	1114.279
25.5	1187.449	1180.132	1144.593	1110.098	1102.781
26.0	1179.087	1170.725	1135.185	1099.645	1092.328
26.5	1169.680	1161.317	1124.732	1088.147	1080.830

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2S-4-00-P8-835-F-POE X.IES

CANDELA TABULATION - (Cont.)

27.0	1161.317	1151.910	1115.324	1076.649	1070.377
27.5	1151.910	1142.502	1104.872	1066.196	1058.879
28.0	1142.502	1133.094	1094.419	1054.698	1047.381
28.5	1133.094	1123.687	1083.966	1044.349	1036.510
29.0	1124.732	1113.234	1073.513	1033.269	1025.116
29.5	1114.279	1103.826	1063.060	1022.294	1013.722
30.0	1104.872	1093.373	1052.607	1011.109	1002.329
30.5	1095.464	1083.966	1041.422	1000.238	990.935
31.0	1086.056	1073.513	1030.656	989.158	979.541
31.5	1076.649	1063.060	1019.785	978.182	968.357
32.0	1066.196	1052.607	1009.018	967.102	956.963
32.5	1056.788	1042.781	998.147	955.918	945.569
33.0	1046.335	1032.328	987.276	944.838	934.280
33.5	1036.614	1021.980	976.405	933.444	922.887
34.0	1026.370	1011.423	965.534	922.155	911.702
34.5	1016.231	1000.970	954.559	910.866	900.517
35.0	1005.778	990.308	943.688	899.577	889.228
35.5	995.325	979.646	932.921	888.287	878.148
36.0	984.872	968.879	922.050	876.998	866.754
36.5	974.106	958.113	911.075	865.814	855.674
37.0	963.235	947.346	899.995	854.629	844.385
37.5	952.573	936.266	889.124	843.549	833.201
38.0	941.806	925.395	878.148	832.260	822.121
38.5	930.726	914.420	867.068	821.180	811.041
39.0	919.751	903.653	856.093	810.204	799.751
39.5	908.984	892.573	845.012	799.229	788.671
40.0	897.904	881.702	834.037	788.149	777.696
40.5	887.138	870.727	823.061	777.173	766.511
41.0	876.267	859.751	812.086	766.302	755.222
41.5	865.291	848.880	801.110	755.327	744.037
42.0	854.420	837.904	790.030	744.560	733.062
42.5	843.654	827.033	779.055	733.689	721.982
43.0	832.783	815.953	768.288	722.714	711.006
43.5	822.016	804.978	757.208	711.738	699.822
44.0	810.936	793.793	746.337	700.867	689.055
44.5	799.960	782.818	735.362	690.100	678.184
45.0	789.194	771.738	724.490	679.334	667.627
45.5	778.323	760.553	713.619	668.463	656.860
46.0	767.243	749.368	702.748	657.801	646.198
46.5	756.163	738.393	691.773	647.244	635.745
47.0	745.083	727.208	680.902	636.686	625.292
47.5	733.794	716.337	670.031	626.233	614.944
48.0	722.609	705.153	659.473	615.885	604.805
48.5	711.529	694.177	648.707	605.641	594.561
49.0	700.240	683.097	637.940	595.397	584.526
49.5	689.160	672.121	627.279	585.153	574.491
50.0	677.871	661.355	616.617	575.119	564.457
50.5	667.000	650.484	606.164	565.084	554.422
51.0	655.815	639.717	595.606	555.154	544.596
51.5	644.839	629.056	585.153	545.223	534.561
52.0	633.759	618.289	574.700	535.293	524.736
52.5	622.888	607.627	564.352	525.467	514.805
53.0	611.913	597.070	554.004	515.537	504.980
53.5	601.042	586.408	543.760	505.816	495.154
54.0	590.275	575.641	533.621	495.990	485.433
54.5	579.613	564.979	523.481	486.373	475.816

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2S-4-00-P8-835-F-POE X.IES

CANDELA TABULATION - (Cont.)

55.0	568.951	554.422	513.342	476.652	466.199
55.5	558.289	543.969	503.516	467.245	456.792
56.0	547.627	533.411	493.586	457.732	447.384
56.5	536.965	522.854	483.551	448.220	438.081
57.0	526.304	512.401	473.725	438.917	429.092
57.5	515.746	502.053	463.900	429.614	420.102
58.0	505.293	491.704	454.074	420.729	411.217
58.5	494.840	481.356	444.353	411.740	402.541
59.0	484.283	471.112	434.736	402.750	393.865
59.5	473.830	461.077	425.119	393.865	385.189
60.0	463.377	450.938	415.503	385.085	376.513
60.5	452.924	440.903	405.991	376.513	368.047
61.0	442.680	431.182	396.583	367.942	359.580
61.5	432.541	421.356	387.384	359.371	351.217
62.0	422.402	411.531	377.977	350.904	342.960
62.5	412.158	401.705	368.883	342.646	334.597
63.0	402.228	392.088	359.789	334.284	326.444
63.5	392.297	382.472	350.799	326.026	318.291
64.0	382.576	372.855	342.019	317.768	310.242
64.5	372.855	363.238	333.343	309.719	302.193
65.0	363.238	353.831	324.458	301.775	294.354
65.5	353.622	344.319	315.782	293.831	286.409
66.0	344.005	334.806	307.315	285.678	278.674
66.5	334.388	325.399	298.848	277.943	271.148
67.0	324.981	316.096	290.382	270.103	263.518
67.5	315.678	306.897	282.019	262.577	256.201
68.0	306.061	297.699	273.657	254.946	248.988
68.5	296.758	288.500	265.504	247.525	241.776
69.0	287.350	279.511	257.350	240.208	234.668
69.5	278.047	270.521	249.197	232.995	227.455
70.0	268.744	261.532	241.148	225.783	220.974
70.5	259.546	252.856	233.309	219.197	214.389
71.0	250.451	244.180	225.469	212.612	207.595
71.5	241.671	235.713	218.466	205.713	200.905
72.0	232.891	227.037	210.835	198.919	194.319
72.5	224.006	218.884	203.309	192.229	187.525
73.0	216.166	211.044	195.887	185.434	181.044
73.5	207.595	202.891	188.570	178.849	174.459
74.0	199.232	194.738	181.358	172.264	168.501
74.5	190.974	186.793	174.354	166.515	162.647
75.0	182.926	178.849	167.874	160.138	156.375
75.5	174.772	171.114	161.184	153.658	150.208
76.0	167.560	163.901	154.389	147.386	144.145
76.5	159.616	156.166	147.595	141.114	138.187
77.0	151.881	148.536	141.010	134.947	132.229
77.5	144.145	141.114	134.529	128.989	126.480
78.0	136.515	133.797	128.153	122.926	120.836
78.5	128.989	126.585	121.776	117.072	115.191
79.0	121.672	119.581	115.609	111.323	109.651
79.5	114.459	112.578	109.442	105.679	104.111
80.0	107.351	105.888	103.379	100.139	98.780
80.5	100.348	99.407	97.526	94.703	93.553
81.0	93.553	92.926	91.672	89.372	88.327
81.5	86.968	86.759	86.027	84.146	83.205
82.0	80.487	80.696	80.383	78.919	78.188
82.5	74.216	74.738	74.947	73.902	73.170

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2S-4-00-P8-835-F-POE X.IES

CANDELA TABULATION - (Cont.)

83.0	68.048	68.989	69.616	68.885	68.257
83.5	62.195	63.345	64.390	64.076	63.449
84.0	56.446	57.909	59.268	59.268	58.745
84.5	50.906	52.683	54.251	54.564	54.146
85.0	45.575	47.456	49.442	49.965	49.651
85.5	40.453	42.439	44.634	45.366	45.157
86.0	35.540	37.630	40.035	40.975	40.871
86.5	30.732	32.822	35.540	36.585	36.690
87.0	26.132	28.223	31.150	32.509	32.613
87.5	21.638	23.728	26.864	28.432	28.641
88.0	17.143	19.442	22.683	23.310	22.996
88.5	12.962	15.366	17.979	18.606	18.606
89.0	10.244	12.439	15.052	15.993	16.097
89.5	7.944	10.244	12.543	13.693	14.007
90.0	5.645	8.153	10.453	11.498	11.812
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2S-4-00-P8-835-F-POE X.IES

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 : MX2S-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 : MX2S-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 : MX2S-4-00-P8-835-F-POE X.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	505.11	N.A.	15.70
0-30	1036.05	N.A.	32.30
0-40	1626.78	N.A.	50.70
0-60	2648.31	N.A.	82.50
0-80	3152.74	N.A.	98.30
0-90	3208.03	N.A.	100.00
10-90	3074.58	N.A.	95.80
20-40	1121.67	N.A.	35.00
20-50	1681.69	N.A.	52.40
40-70	1346.24	N.A.	42.00
60-80	504.42	N.A.	15.70
70-80	179.72	N.A.	5.60
80-90	55.29	N.A.	1.70
90-110	0.27	N.A.	0.00
90-120	0.27	N.A.	0.00
90-130	0.27	N.A.	0.00
90-150	0.27	N.A.	0.00
90-180	0.27	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3208.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	133.44
10-20	371.66
20-30	530.94
30-40	590.73
40-50	560.02
50-60	461.51
60-70	324.70
70-80	179.72
80-90	55.29
90-100	0.27
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 : MX2S-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	95	92	90	91	89	87	85
2	100	92	86	80	98	90	84	79	87	82	78	84	80	76	81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53
5	78	66	57	51	76	65	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	45	70	59	50	44	57	49	44	55	49	44	54	48	43	41
7	67	54	46	40	66	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	38	32	44	37	32	43	37	32	42	36	32	30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2S-4-00-P8-835-F-POE X.IES

UGR TABLE - CORRECTED

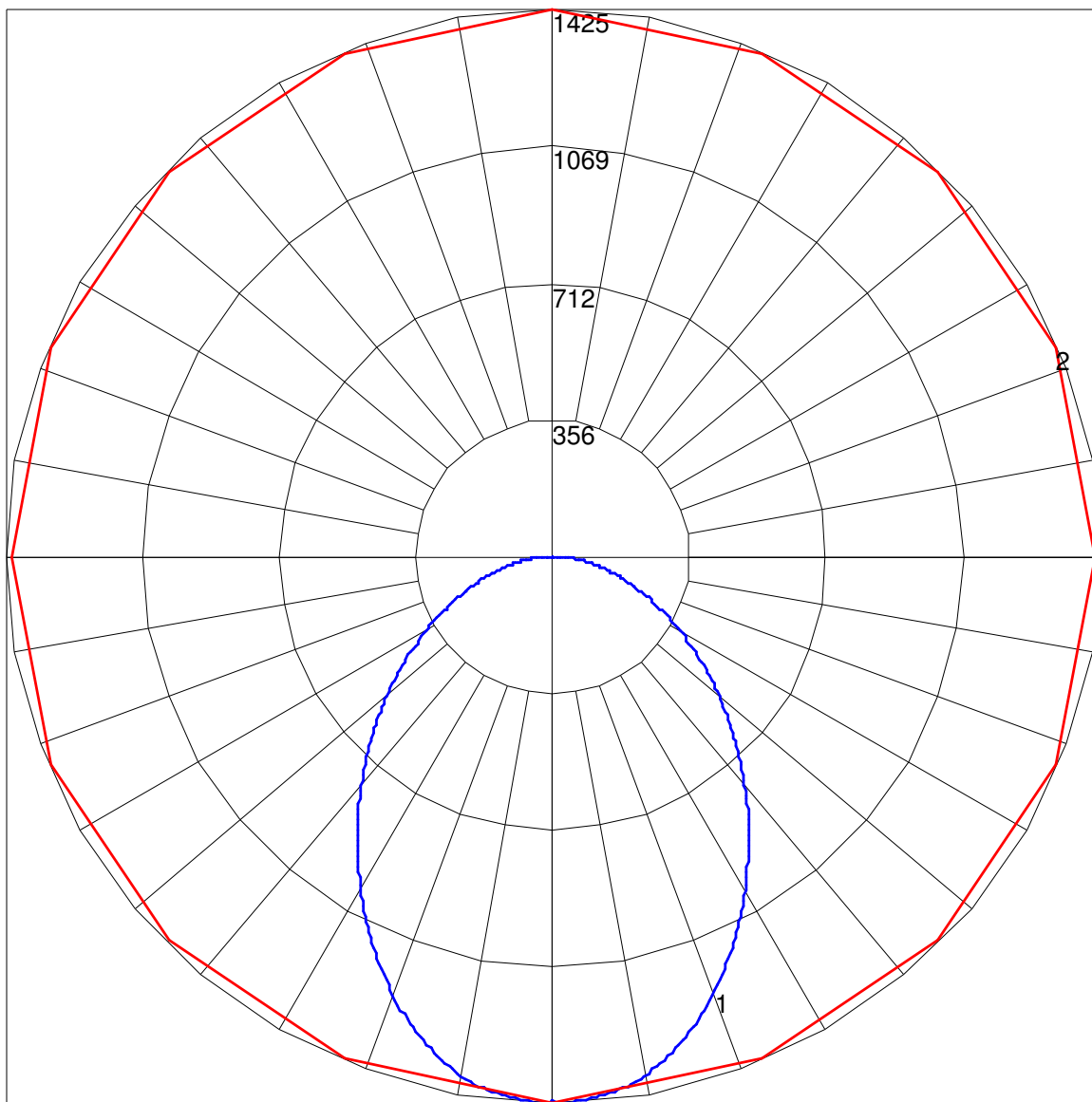
Reflectances

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	21.6	23.1	21.9	23.4	23.7	20.4	22.0	20.8	22.3	22.6
	3H	23.2	24.6	23.5	24.9	25.3	22.0	23.4	22.4	23.7	24.1
	4H	23.7	25.1	24.1	25.4	25.8	22.6	23.9	23.0	24.3	24.6
	6H	24.2	25.4	24.6	25.8	26.2	23.1	24.3	23.5	24.7	25.1
	8H	24.3	25.5	24.7	25.9	26.3	23.2	24.4	23.7	24.8	25.2
	12H	24.4	25.5	24.8	25.9	26.3	23.4	24.5	23.8	24.9	25.3
4H	2H	22.0	23.3	22.4	23.7	24.0	21.1	22.4	21.5	22.7	23.1
	3H	23.8	25.0	24.2	25.3	25.7	22.9	24.0	23.3	24.4	24.8
	4H	24.6	25.6	25.0	26.0	26.4	23.6	24.6	24.0	25.0	25.4
	6H	25.1	26.0	25.6	26.4	26.9	24.2	25.1	24.7	25.5	26.0
	8H	25.3	26.1	25.8	26.5	27.0	24.4	25.2	24.9	25.7	26.1
	12H	25.4	26.2	25.9	26.6	27.1	24.6	25.3	25.1	25.8	26.3
8H	4H	24.8	25.6	25.2	26.0	26.5	23.9	24.7	24.4	25.2	25.6
	6H	25.4	26.1	25.9	26.6	27.1	24.7	25.3	25.1	25.8	26.3
	8H	25.7	26.3	26.2	26.8	27.3	24.9	25.6	25.5	26.1	26.6
	12H	25.9	26.4	26.4	26.9	27.5	25.2	25.8	25.7	26.3	26.8
12H	4H	24.8	25.5	25.3	26.0	26.5	24.0	24.7	24.4	25.2	25.6
	6H	25.5	26.1	26.0	26.6	27.1	24.7	25.3	25.2	25.8	26.3
	8H	25.8	26.3	26.3	26.8	27.4	25.1	25.6	25.6	26.1	26.7

Maximum UGR = 27.5

POLAR GRAPH



Maximum Candela = 1424.73 Located At Horizontal Angle = 90, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)