



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2S-4-00-P8-8TW-F-POE X_4000K.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-P8-8TW-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	3216
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
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	18012	16535	15238
55	16008	14444	13117
65	13871	12390	11241
75	11406	10468	9751
85	8439	9155	9194

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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	1420.939	1420.939	1420.939	1420.939	1420.939
0.5	1417.795	1420.939	1420.939	1419.891	1428.274
1.0	1417.795	1420.939	1419.891	1419.891	1428.274
1.5	1416.747	1420.939	1419.891	1418.843	1427.226
2.0	1415.699	1419.891	1418.843	1417.795	1426.178
2.5	1415.699	1419.891	1418.843	1416.747	1425.130
3.0	1414.651	1418.843	1417.795	1415.699	1423.035
3.5	1413.604	1417.795	1416.747	1414.651	1420.939
4.0	1411.508	1416.747	1415.699	1412.556	1419.891
4.5	1410.460	1414.651	1414.651	1411.508	1416.747
5.0	1408.364	1413.604	1412.556	1409.412	1415.699
5.5	1407.316	1411.508	1410.460	1407.316	1412.556
6.0	1405.220	1409.412	1408.364	1404.173	1410.460
6.5	1403.125	1407.316	1406.268	1401.029	1407.316
7.0	1399.981	1405.220	1403.125	1397.885	1404.173
7.5	1397.885	1402.077	1399.981	1394.742	1401.029
8.0	1394.742	1398.933	1396.837	1391.598	1397.885
8.5	1392.646	1396.837	1393.694	1387.406	1393.694
9.0	1389.502	1392.646	1389.502	1383.215	1388.454
9.5	1386.358	1389.502	1385.311	1377.975	1384.263
10.0	1382.167	1386.358	1381.119	1373.784	1379.023
10.5	1379.023	1382.167	1375.880	1368.544	1372.736
11.0	1374.832	1377.975	1371.688	1363.305	1367.496
11.5	1370.640	1373.784	1366.448	1357.017	1361.209
12.0	1366.448	1369.592	1361.209	1350.730	1353.874
12.5	1362.257	1365.401	1355.970	1344.443	1347.586
13.0	1358.065	1360.161	1350.730	1338.155	1340.251
13.5	1352.826	1355.970	1344.443	1330.820	1332.916
14.0	1348.634	1350.730	1338.155	1324.533	1325.581
14.5	1343.395	1345.491	1331.868	1317.198	1318.246
15.0	1338.155	1339.203	1325.581	1309.862	1310.910
15.5	1332.916	1333.964	1319.293	1301.479	1302.527
16.0	1327.677	1327.677	1311.958	1294.144	1294.144
16.5	1321.389	1322.437	1305.671	1285.761	1285.761
17.0	1315.102	1316.150	1298.336	1277.378	1277.378
17.5	1309.862	1309.862	1291.000	1268.995	1267.947
18.0	1303.575	1302.527	1282.617	1260.612	1259.564
18.5	1297.288	1296.240	1275.282	1251.181	1250.133
19.0	1289.953	1288.905	1266.899	1242.797	1240.702
19.5	1283.665	1281.569	1258.516	1233.366	1231.271
20.0	1276.330	1274.234	1250.133	1223.935	1221.840
20.5	1268.995	1266.899	1241.750	1214.504	1211.361
21.0	1261.659	1259.564	1232.319	1205.073	1201.930
21.5	1255.372	1252.228	1223.935	1195.642	1191.451
22.0	1246.989	1243.845	1214.504	1185.164	1180.972
22.5	1239.654	1235.462	1205.073	1175.733	1170.493
23.0	1232.319	1227.079	1196.690	1165.254	1160.014
23.5	1223.935	1218.696	1187.259	1154.775	1149.535
24.0	1215.552	1210.313	1177.828	1144.296	1139.056
24.5	1208.217	1200.882	1167.349	1133.817	1127.530
25.0	1199.834	1192.499	1157.918	1123.338	1117.051
25.5	1190.403	1183.068	1147.439	1112.859	1105.524
26.0	1182.020	1173.637	1138.008	1102.380	1095.045
26.5	1172.589	1164.206	1127.530	1090.853	1083.518

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2S-4-00-P8-8TW-F-POE X_4000K.IES****CANDELA TABULATION - (Cont.)**

27.0	1164.206	1154.775	1118.099	1079.327	1073.039
27.5	1154.775	1145.344	1107.620	1068.848	1061.513
28.0	1145.344	1135.913	1097.141	1057.321	1049.986
28.5	1135.913	1126.482	1086.662	1046.947	1039.088
29.0	1127.530	1116.003	1076.183	1035.839	1027.666
29.5	1117.051	1106.572	1065.704	1024.836	1016.244
30.0	1107.620	1096.093	1055.225	1013.624	1004.822
30.5	1098.189	1086.662	1044.013	1002.726	993.400
31.0	1088.758	1076.183	1033.219	991.618	981.978
31.5	1079.327	1065.704	1022.321	980.615	970.765
32.0	1068.848	1055.225	1011.528	969.508	959.343
32.5	1059.417	1045.375	1000.630	958.295	947.921
33.0	1048.938	1034.896	989.732	947.188	936.604
33.5	1039.192	1024.522	978.834	935.766	925.182
34.0	1028.923	1013.938	967.936	924.449	913.970
34.5	1018.759	1003.459	956.933	913.131	902.757
35.0	1008.280	992.771	946.035	901.814	891.440
35.5	997.801	982.082	935.242	890.497	880.332
36.0	987.322	971.289	924.344	879.180	868.910
36.5	976.529	960.496	913.341	867.967	857.803
37.0	965.631	949.703	902.233	856.755	846.485
37.5	954.942	938.595	891.335	845.647	835.273
38.0	944.149	927.697	880.332	834.330	824.165
38.5	933.041	916.694	869.225	823.222	813.058
39.0	922.038	905.901	858.222	812.219	801.741
39.5	911.245	894.793	847.114	801.217	790.633
40.0	900.137	883.895	836.111	790.109	779.630
40.5	889.344	872.892	825.109	779.106	768.418
41.0	878.446	861.889	814.106	768.208	757.100
41.5	867.443	850.991	803.103	757.205	745.888
42.0	856.545	839.989	791.995	746.412	734.885
42.5	845.752	829.091	780.992	735.514	723.778
43.0	834.854	817.983	770.199	724.511	712.775
43.5	824.061	806.980	759.091	713.508	701.562
44.0	812.953	795.768	748.193	702.610	690.769
44.5	801.950	784.765	737.191	691.817	679.871
45.0	791.157	773.657	726.293	681.024	669.287
45.5	780.259	762.445	715.394	670.126	658.494
46.0	769.151	751.232	704.496	659.437	647.806
46.5	758.044	740.229	693.494	648.853	637.327
47.0	746.936	729.017	682.596	638.270	626.848
47.5	735.619	718.119	671.697	627.791	616.474
48.0	724.406	706.907	661.114	617.417	606.309
48.5	713.299	695.904	650.321	607.147	596.040
49.0	701.981	684.796	639.527	596.878	585.980
49.5	690.874	673.793	628.839	586.609	575.920
50.0	679.557	663.000	618.150	576.549	565.861
50.5	668.659	652.102	607.671	566.489	555.801
51.0	657.446	641.309	597.088	556.534	545.951
51.5	646.443	630.620	586.609	546.579	535.891
52.0	635.336	619.827	576.130	536.624	526.041
52.5	624.438	609.138	565.756	526.774	516.086
53.0	613.435	598.555	555.382	516.819	506.236
53.5	602.537	587.866	545.112	507.074	496.385
54.0	591.743	577.073	534.948	497.224	486.640
54.5	581.055	566.385	524.783	487.583	477.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2S-4-00-P8-8TW-F-POE X_4000K.IES****CANDELA TABULATION - (Cont.)**

55.0	570.366	555.801	514.619	477.838	467.359
55.5	559.678	545.322	504.769	468.407	457.928
56.0	548.990	534.738	494.814	458.871	448.497
56.5	538.301	524.155	484.754	449.335	439.171
57.0	527.613	513.676	474.904	440.009	430.159
57.5	517.029	503.302	465.054	430.683	421.147
58.0	506.550	492.927	455.203	421.776	412.240
58.5	496.071	482.553	445.458	412.764	403.542
59.0	485.487	472.284	435.817	403.752	394.845
59.5	475.009	462.224	426.177	394.845	386.147
60.0	464.530	452.060	416.536	386.043	377.450
60.5	454.051	442.000	407.000	377.450	368.962
61.0	443.781	432.255	397.569	368.857	360.474
61.5	433.617	422.404	388.348	360.265	352.091
62.0	423.452	412.554	378.917	351.777	343.813
62.5	413.183	402.704	369.800	343.498	335.430
63.0	403.228	393.064	360.684	335.115	327.256
63.5	393.273	383.423	351.672	326.837	319.082
64.0	383.528	373.782	342.870	318.559	311.014
64.5	373.782	364.142	334.172	310.490	302.945
65.0	364.142	354.711	325.265	302.526	295.086
65.5	354.501	345.175	316.568	294.562	287.122
66.0	344.861	335.639	308.080	286.388	279.367
66.5	335.220	326.208	299.592	278.634	271.823
67.0	325.789	316.882	291.104	270.775	264.173
67.5	316.463	307.660	282.721	263.230	256.838
68.0	306.822	298.439	274.338	255.580	249.607
68.5	297.496	289.218	266.164	248.140	242.377
69.0	288.065	280.206	257.991	240.805	235.251
69.5	278.739	271.194	249.817	233.575	228.021
70.0	269.413	262.182	241.748	226.344	221.524
70.5	260.191	253.485	233.889	219.743	214.922
71.0	251.074	244.787	226.030	213.141	208.111
71.5	242.272	236.299	219.009	206.225	201.404
72.0	233.470	227.602	211.359	199.413	194.803
72.5	224.563	219.428	203.815	192.707	187.991
73.0	216.704	211.569	196.375	185.896	181.495
73.5	208.111	203.395	189.039	179.294	174.893
74.0	199.728	195.222	181.809	172.692	168.920
74.5	191.449	187.258	174.788	166.929	163.052
75.0	183.381	179.294	168.291	160.537	156.764
75.5	175.207	171.540	161.585	154.040	150.582
76.0	167.977	164.309	154.773	147.752	144.504
76.5	160.013	156.555	147.962	141.465	138.531
77.0	152.258	148.905	141.360	135.283	132.558
77.5	144.504	141.465	134.863	129.310	126.795
78.0	136.854	134.130	128.471	123.232	121.136
78.5	129.310	126.899	122.079	117.364	115.477
79.0	121.974	119.879	115.897	111.600	109.924
79.5	114.744	112.858	109.714	105.942	104.370
80.0	107.618	106.151	103.636	100.388	99.026
80.5	100.597	99.654	97.768	94.939	93.786
81.0	93.786	93.157	91.900	89.595	88.547
81.5	87.184	86.975	86.241	84.355	83.412
82.0	80.688	80.897	80.583	79.116	78.382
82.5	74.400	74.924	75.134	74.086	73.352

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2S-4-00-P8-8TW-F-POE X_4000K.IES****CANDELA TABULATION - (Cont.)**

83.0	68.218	69.161	69.789	69.056	68.427
83.5	62.349	63.502	64.550	64.236	63.607
84.0	56.586	58.053	59.415	59.415	58.891
84.5	51.032	52.814	54.385	54.700	54.281
85.0	45.688	47.574	49.565	50.089	49.775
85.5	40.553	42.544	44.745	45.478	45.269
86.0	35.628	37.724	40.134	41.077	40.972
86.5	30.808	32.904	35.628	36.676	36.781
87.0	26.197	28.293	31.227	32.589	32.694
87.5	21.691	23.787	26.931	28.503	28.712
88.0	17.185	19.491	22.739	23.368	23.054
88.5	12.994	15.404	18.024	18.652	18.652
89.0	10.269	12.470	15.090	16.033	16.138
89.5	7.964	10.269	12.575	13.727	14.042
90.0	5.659	8.174	10.479	11.527	11.841
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-P8-8TW-F-POE X_4000K.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-P8-8TW-F-POE X_4000K.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-P8-8TW-F-POE X_4000K.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-P8-8TW-F-POE X_4000K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	506.36	N.A.	15.70
0-30	1038.63	N.A.	32.30
0-40	1630.82	N.A.	50.70
0-60	2654.9	N.A.	82.50
0-80	3160.58	N.A.	98.30
0-90	3216.01	N.A.	100.00
10-90	3082.23	N.A.	95.80
20-40	1124.46	N.A.	35.00
20-50	1685.88	N.A.	52.40
40-70	1349.59	N.A.	42.00
60-80	505.68	N.A.	15.70
70-80	180.17	N.A.	5.60
80-90	55.43	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	3216.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	133.78
10-20	372.59
20-30	532.26
30-40	592.19
40-50	561.42
50-60	462.66
60-70	325.51
70-80	180.17
80-90	55.43
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-P8-8TW-F-POE X_4000K.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-P8-8TW-F-POE X_4000K.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

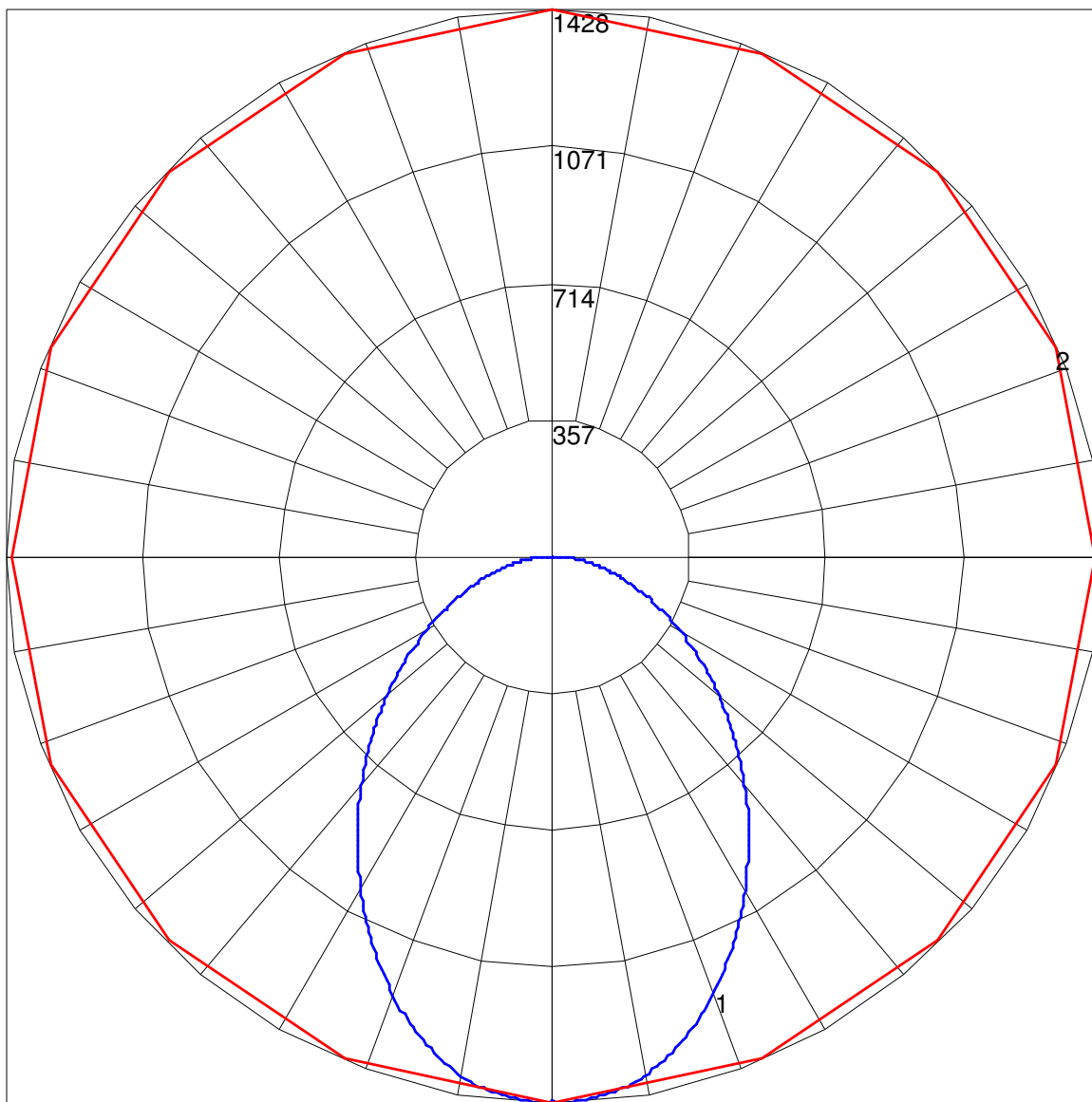
X=2H	Y=2H	21.6	23.1	21.9	23.4	23.7	20.4	22.0	20.8	22.3	22.6
	3H	23.2	24.6	23.5	24.9	25.3	22.0	23.4	22.4	23.7	24.1
	4H	23.7	25.1	24.1	25.4	25.8	22.6	23.9	23.0	24.3	24.6
	6H	24.2	25.4	24.6	25.8	26.2	23.1	24.3	23.5	24.7	25.1
	8H	24.3	25.5	24.7	25.9	26.3	23.2	24.4	23.7	24.8	25.2
	12H	24.4	25.5	24.8	25.9	26.3	23.4	24.5	23.8	24.9	25.3

UGR Viewed Endwise

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 = 1428.274 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.)