



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2U-4-00-P8-8TW-F-POE X\_4000K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM 13012869.07  
[TESTLAB] UL Verification Services Inc.  
[ISSUEDATE] 12/05/2019  
[MANUFAC] WILLIAMS INDOOR  
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.  
[LUMCAT] MX2U-4-00-P8-8TW-F-POE x  
[LUMINAIRE] Formed White aluminum housing, 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	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.96 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	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2U-4-00-P8-8TW-F-POE X\_4000K.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	0.000	0.000	0.000	0.000	0.000
0.5	0.000	0.000	0.000	0.000	0.000
1.0	0.000	0.000	0.000	0.000	0.000
1.5	0.000	0.000	0.000	0.000	0.000
2.0	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000
3.0	0.000	0.000	0.000	0.000	0.000
3.5	0.000	0.000	0.000	0.000	0.000
4.0	0.000	0.000	0.000	0.000	0.000
4.5	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000
5.5	0.000	0.000	0.000	0.000	0.000
6.0	0.000	0.000	0.000	0.000	0.000
6.5	0.000	0.000	0.000	0.000	0.000
7.0	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000
8.0	0.000	0.000	0.000	0.000	0.000
8.5	0.000	0.000	0.000	0.000	0.000
9.0	0.000	0.000	0.000	0.000	0.000
9.5	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000
10.5	0.000	0.000	0.000	0.000	0.000
11.0	0.000	0.000	0.000	0.000	0.000
11.5	0.000	0.000	0.000	0.000	0.000
12.0	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000
13.0	0.000	0.000	0.000	0.000	0.000
13.5	0.000	0.000	0.000	0.000	0.000
14.0	0.000	0.000	0.000	0.000	0.000
14.5	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000
15.5	0.000	0.000	0.000	0.000	0.000
16.0	0.000	0.000	0.000	0.000	0.000
16.5	0.000	0.000	0.000	0.000	0.000
17.0	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000
18.0	0.000	0.000	0.000	0.000	0.000
18.5	0.000	0.000	0.000	0.000	0.000
19.0	0.000	0.000	0.000	0.000	0.000
19.5	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000
20.5	0.000	0.000	0.000	0.000	0.000
21.0	0.000	0.000	0.000	0.000	0.000
21.5	0.000	0.000	0.000	0.000	0.000
22.0	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000
23.0	0.000	0.000	0.000	0.000	0.000
23.5	0.000	0.000	0.000	0.000	0.000
24.0	0.000	0.000	0.000	0.000	0.000
24.5	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000
25.5	0.000	0.000	0.000	0.000	0.000
26.0	0.000	0.000	0.000	0.000	0.000
26.5	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2U-4-00-P8-8TW-F-POE X\_4000K.IES****CANDELA TABULATION - (Cont.)**

27.0	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000
28.0	0.000	0.000	0.000	0.000	0.000
28.5	0.000	0.000	0.000	0.000	0.000
29.0	0.000	0.000	0.000	0.000	0.000
29.5	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000
30.5	0.000	0.000	0.000	0.000	0.000
31.0	0.000	0.000	0.000	0.000	0.000
31.5	0.000	0.000	0.000	0.000	0.000
32.0	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000
33.0	0.000	0.000	0.000	0.000	0.000
33.5	0.000	0.000	0.000	0.000	0.000
34.0	0.000	0.000	0.000	0.000	0.000
34.5	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000
35.5	0.000	0.000	0.000	0.000	0.000
36.0	0.000	0.000	0.000	0.000	0.000
36.5	0.000	0.000	0.000	0.000	0.000
37.0	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000
38.0	0.000	0.000	0.000	0.000	0.000
38.5	0.000	0.000	0.000	0.000	0.000
39.0	0.000	0.000	0.000	0.000	0.000
39.5	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000
40.5	0.000	0.000	0.000	0.000	0.000
41.0	0.000	0.000	0.000	0.000	0.000
41.5	0.000	0.000	0.000	0.000	0.000
42.0	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000
43.0	0.000	0.000	0.000	0.000	0.000
43.5	0.000	0.000	0.000	0.000	0.000
44.0	0.000	0.000	0.000	0.000	0.000
44.5	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000
45.5	0.000	0.000	0.000	0.000	0.000
46.0	0.000	0.000	0.000	0.000	0.000
46.5	0.000	0.000	0.000	0.000	0.000
47.0	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000
48.0	0.000	0.000	0.000	0.000	0.000
48.5	0.000	0.000	0.000	0.000	0.000
49.0	0.000	0.000	0.000	0.000	0.000
49.5	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000
50.5	0.000	0.000	0.000	0.000	0.000
51.0	0.000	0.000	0.000	0.000	0.000
51.5	0.000	0.000	0.000	0.000	0.000
52.0	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000
53.0	0.000	0.000	0.000	0.000	0.000
53.5	0.000	0.000	0.000	0.000	0.000
54.0	0.000	0.000	0.000	0.000	0.000
54.5	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2U-4-00-P8-8TW-F-POE X\_4000K.IES****CANDELA TABULATION - (Cont.)**

55.0	0.000	0.000	0.000	0.000	0.000
55.5	0.000	0.000	0.000	0.000	0.000
56.0	0.000	0.000	0.000	0.000	0.000
56.5	0.000	0.000	0.000	0.000	0.000
57.0	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000
58.0	0.000	0.000	0.000	0.000	0.000
58.5	0.000	0.000	0.000	0.000	0.000
59.0	0.000	0.000	0.000	0.000	0.000
59.5	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000
60.5	0.000	0.000	0.000	0.000	0.000
61.0	0.000	0.000	0.000	0.000	0.000
61.5	0.000	0.000	0.000	0.000	0.000
62.0	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000
63.0	0.000	0.000	0.000	0.000	0.000
63.5	0.000	0.000	0.000	0.000	0.000
64.0	0.000	0.000	0.000	0.000	0.000
64.5	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000
65.5	0.000	0.000	0.000	0.000	0.000
66.0	0.000	0.000	0.000	0.000	0.000
66.5	0.000	0.000	0.000	0.000	0.000
67.0	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000
68.0	0.000	0.000	0.000	0.000	0.000
68.5	0.000	0.000	0.000	0.000	0.000
69.0	0.000	0.000	0.000	0.000	0.000
69.5	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000
70.5	0.000	0.000	0.000	0.000	0.000
71.0	0.000	0.000	0.000	0.000	0.000
71.5	0.000	0.000	0.000	0.000	0.000
72.0	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000
73.0	0.000	0.000	0.000	0.000	0.000
73.5	0.000	0.000	0.000	0.000	0.000
74.0	0.000	0.000	0.000	0.000	0.000
74.5	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000
75.5	0.000	0.000	0.000	0.000	0.000
76.0	0.000	0.000	0.000	0.000	0.000
76.5	0.000	0.000	0.000	0.000	0.000
77.0	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000
78.0	0.000	0.000	0.000	0.000	0.000
78.5	0.000	0.000	0.000	0.000	0.000
79.0	0.000	0.000	0.000	0.000	0.000
79.5	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000
80.5	0.000	0.000	0.000	0.000	0.000
81.0	0.000	0.000	0.000	0.000	0.000
81.5	0.000	0.000	0.000	0.000	0.000
82.0	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2U-4-00-P8-8TW-F-POE X\_4000K.IES

## CANDELA TABULATION - (Cont.)

83.0	0.000	0.000	0.000	0.000	0.000
83.5	0.000	0.000	0.000	0.000	0.000
84.0	0.000	0.000	0.000	0.000	0.000
84.5	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000
85.5	0.000	0.000	0.000	0.000	0.000
86.0	0.000	0.000	0.000	0.000	0.000
86.5	0.000	0.000	0.000	0.000	0.000
87.0	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000
88.0	0.000	0.000	0.000	0.000	0.000
88.5	0.000	0.000	0.000	0.000	0.000
89.0	0.000	0.000	0.000	0.000	0.000
89.5	0.000	0.000	0.000	0.000	0.000
90.0	6.078	6.811	6.811	7.335	7.545
90.5	8.488	8.697	8.068	8.592	8.802
91.0	11.107	11.002	9.431	9.745	9.955
91.5	15.823	13.622	10.898	11.002	11.107
92.0	20.643	16.242	12.889	12.469	12.469
92.5	25.568	19.176	15.089	14.146	14.041
93.0	30.702	22.634	17.604	16.032	16.032
93.5	35.732	26.511	20.433	18.547	18.128
94.0	40.761	31.016	23.577	21.271	20.643
94.5	45.896	35.208	26.825	24.101	23.262
95.0	51.030	39.399	30.283	26.930	26.091
95.5	56.165	43.905	33.846	29.759	28.921
96.0	61.194	48.411	37.513	32.588	31.645
96.5	66.224	53.545	41.285	35.522	34.265
97.0	71.463	58.470	45.058	38.456	36.780
97.5	76.703	63.500	49.144	41.600	39.609
98.0	81.523	68.739	53.336	44.848	42.647
98.5	86.867	74.607	58.156	48.515	45.791
99.0	92.001	79.951	64.024	52.183	49.039
99.5	97.136	85.295	68.739	56.060	52.392
100.0	102.060	90.744	73.559	59.832	55.955
100.5	107.090	96.402	78.798	63.604	59.727
101.0	113.168	102.060	83.618	67.691	63.709
101.5	118.197	107.614	88.438	72.092	67.691
102.0	123.227	114.006	93.154	77.541	71.987
102.5	128.362	120.712	97.450	84.142	76.388
103.0	134.020	127.314	102.060	90.010	81.104
103.5	139.364	134.439	106.776	96.088	86.762
104.0	144.813	141.564	111.491	101.641	94.935
104.5	151.624	147.747	115.997	106.671	101.537
105.0	157.492	153.510	121.655	111.386	106.461
105.5	163.569	159.902	127.104	116.521	111.596
106.0	169.961	166.398	132.029	121.865	117.045
106.5	176.458	172.686	137.897	126.895	122.284
107.0	182.954	179.601	143.870	131.924	127.418
107.5	188.927	186.412	150.052	137.268	132.658
108.0	195.109	193.433	155.186	142.298	138.316
108.5	201.606	201.292	160.426	147.223	143.660
109.0	208.417	209.675	166.398	152.567	148.795
109.5	215.543	217.953	172.476	159.063	154.663
110.0	223.611	225.916	179.077	166.294	159.797
110.5	231.784	234.404	185.784	172.686	165.875

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2U-4-00-P8-8TW-F-POE X\_4000K.IES****CANDELA TABULATION - (Cont.)**

111.0	240.586	243.834	192.909	179.287	172.790
111.5	249.912	252.951	200.663	185.574	181.278
112.0	259.971	261.753	209.151	191.966	189.765
112.5	270.450	270.659	218.162	198.777	196.472
113.0	279.880	279.985	228.745	205.798	204.226
113.5	289.625	289.835	239.957	212.189	211.770
114.0	299.894	299.999	251.798	219.210	218.791
114.5	310.582	309.954	263.744	226.440	226.231
115.0	321.690	320.013	275.480	234.404	233.566
115.5	332.797	330.701	287.320	242.682	239.538
116.0	343.799	341.913	298.951	250.541	246.978
116.5	355.011	353.230	310.373	259.343	255.046
117.0	367.271	365.071	321.585	268.983	263.639
117.5	379.950	377.226	333.740	279.671	272.441
118.0	392.943	390.114	347.048	290.464	281.557
118.5	406.251	403.422	360.984	301.676	290.988
119.0	419.978	417.044	374.711	314.040	301.152
119.5	433.914	430.980	388.438	328.082	312.154
120.0	448.165	445.231	402.269	343.066	323.576
120.5	462.730	459.482	416.939	358.784	335.836
121.0	477.610	474.571	432.657	374.082	349.248
121.5	492.699	489.555	448.794	389.905	363.604
122.0	507.997	504.120	464.931	405.413	379.426
122.5	523.505	519.419	481.696	420.397	395.982
123.0	539.223	534.927	499.510	435.276	412.538
123.5	554.941	550.749	517.952	450.261	429.409
124.0	570.449	566.677	536.080	466.083	445.021
124.5	585.957	582.814	554.103	482.849	460.844
125.0	601.989	599.265	572.440	500.557	477.190
125.5	619.069	615.716	590.987	518.266	493.642
126.0	635.835	632.586	609.848	535.765	510.617
126.5	652.705	649.352	628.290	553.893	528.011
127.0	669.785	665.908	646.523	572.440	545.091
127.5	687.075	682.569	664.441	591.511	562.695
128.0	704.050	699.334	682.255	609.953	581.661
128.5	720.501	715.995	699.754	627.871	601.151
129.0	737.162	732.866	716.729	645.999	620.222
129.5	753.403	749.736	733.599	665.699	639.397
130.0	769.016	766.606	749.946	686.341	658.678
130.5	784.420	783.477	766.187	706.984	677.854
131.0	799.614	800.138	782.638	727.102	698.287
131.5	815.017	816.798	798.880	747.012	718.301
132.0	830.420	833.145	814.388	767.864	738.524
132.5	846.033	848.863	829.792	789.135	759.271
133.0	861.018	863.952	845.090	808.730	780.438
133.5	875.373	878.936	860.703	826.962	801.709
134.0	889.519	893.501	876.107	844.252	823.190
134.5	903.560	908.171	891.091	861.751	843.309
135.0	917.497	922.841	906.180	878.412	863.218
135.5	931.223	936.987	921.269	894.339	882.708
136.0	944.950	950.609	936.044	909.428	901.150
136.5	958.363	963.707	950.190	923.889	918.230
137.0	971.251	976.176	963.707	939.082	934.053
137.5	984.035	988.331	977.119	954.171	949.246
138.0	996.295	1000.486	990.322	968.736	964.126
138.5	1008.345	1012.327	1003.420	982.358	978.586

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2U-4-00-P8-8TW-F-POE X\_4000K.IES****CANDELA TABULATION - (Cont.)**

139.0	1019.767	1023.749	1015.680	994.933	992.313
139.5	1030.455	1034.646	1027.206	1006.983	1005.516
140.0	1041.248	1045.334	1038.523	1018.614	1018.509
140.5	1052.040	1056.232	1049.945	1030.036	1031.188
141.0	1062.519	1065.662	1061.471	1041.248	1043.239
141.5	1072.997	1076.141	1071.950	1053.088	1054.136
142.0	1082.428	1086.619	1082.428	1064.615	1065.662
142.5	1090.811	1096.050	1091.859	1076.141	1076.141
143.0	1100.242	1105.481	1102.337	1086.619	1086.619
143.5	1109.672	1114.911	1111.768	1097.098	1097.098
144.0	1119.103	1124.342	1122.246	1107.576	1107.576
144.5	1127.486	1132.725	1131.677	1118.055	1118.055
145.0	1136.916	1141.108	1140.060	1127.486	1128.533
145.5	1145.299	1148.443	1148.443	1137.964	1139.012
146.0	1153.682	1156.825	1157.873	1148.443	1149.490
146.5	1162.065	1165.208	1167.304	1157.873	1158.921
147.0	1169.400	1173.591	1174.639	1168.352	1169.400
147.5	1176.734	1180.926	1183.022	1177.782	1178.830
148.0	1184.069	1188.261	1191.404	1187.213	1188.261
148.5	1191.404	1195.596	1198.739	1195.596	1197.691
149.0	1198.739	1201.883	1206.074	1203.979	1207.122
149.5	1205.026	1209.218	1213.409	1212.361	1216.553
150.0	1211.314	1216.553	1219.696	1219.696	1224.936
150.5	1218.648	1223.888	1227.031	1228.079	1234.366
151.0	1224.936	1231.223	1233.318	1235.414	1241.701
151.5	1231.223	1237.510	1240.653	1242.749	1250.084
152.0	1237.510	1244.845	1246.940	1250.084	1256.371
152.5	1244.845	1251.132	1252.180	1256.371	1263.706
153.0	1251.132	1257.419	1258.467	1262.658	1269.993
153.5	1257.419	1263.706	1263.706	1267.897	1276.280
154.0	1263.706	1269.993	1269.993	1274.184	1281.519
154.5	1268.945	1276.280	1275.232	1279.424	1287.806
155.0	1275.232	1282.567	1280.472	1284.663	1293.046
155.5	1281.519	1287.806	1285.711	1289.902	1297.237
156.0	1287.806	1294.094	1290.950	1295.141	1302.476
156.5	1294.094	1299.333	1296.189	1299.333	1306.668
157.0	1300.381	1304.572	1301.429	1304.572	1310.859
157.5	1305.620	1309.811	1306.668	1309.811	1315.051
158.0	1311.907	1314.003	1311.907	1314.003	1319.242
158.5	1317.146	1319.242	1316.098	1319.242	1323.433
159.0	1321.338	1323.433	1321.338	1323.433	1327.625
159.5	1326.577	1328.673	1326.577	1327.625	1332.864
160.0	1330.768	1332.864	1330.768	1331.816	1337.055
160.5	1333.912	1336.008	1334.960	1336.008	1342.295
161.0	1338.103	1340.199	1340.199	1340.199	1346.486
161.5	1342.295	1344.390	1344.390	1344.390	1351.725
162.0	1346.486	1347.534	1348.582	1349.630	1355.917
162.5	1350.677	1351.725	1352.773	1353.821	1361.156
163.0	1353.821	1354.869	1356.965	1358.012	1365.347
163.5	1358.012	1358.012	1360.108	1361.156	1369.539
164.0	1361.156	1362.204	1363.252	1365.347	1373.730
164.5	1364.299	1365.347	1367.443	1368.491	1377.922
165.0	1367.443	1368.491	1369.539	1372.682	1381.065
165.5	1369.539	1371.634	1372.682	1375.826	1384.209
166.0	1372.682	1374.778	1374.778	1378.969	1388.400
166.5	1375.826	1376.874	1376.874	1381.065	1390.496

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2U-4-00-P8-8TW-F-POE X\_4000K.IES****CANDELA TABULATION - (Cont.)**

167.0	1378.969	1380.017	1380.017	1383.161	1393.639
167.5	1381.065	1382.113	1382.113	1386.304	1395.735
168.0	1384.209	1385.256	1384.209	1388.400	1397.831
168.5	1386.304	1387.352	1385.256	1390.496	1399.926
169.0	1389.448	1389.448	1387.352	1391.544	1402.022
169.5	1391.544	1391.544	1389.448	1392.591	1403.070
170.0	1393.639	1393.639	1391.544	1394.687	1404.118
170.5	1395.735	1395.735	1392.591	1395.735	1405.166
171.0	1397.831	1397.831	1394.687	1396.783	1406.213
171.5	1399.926	1398.878	1395.735	1396.783	1407.261
172.0	1400.974	1400.974	1396.783	1397.831	1408.309
172.5	1403.070	1402.022	1397.831	1398.878	1408.309
173.0	1404.118	1403.070	1398.878	1398.878	1409.357
173.5	1406.213	1405.166	1398.878	1399.926	1409.357
174.0	1407.261	1406.213	1399.926	1400.974	1409.357
174.5	1408.309	1406.213	1400.974	1400.974	1410.405
175.0	1409.357	1407.261	1400.974	1400.974	1410.405
175.5	1410.405	1408.309	1402.022	1402.022	1410.405
176.0	1410.405	1408.309	1402.022	1402.022	1410.405
176.5	1411.453	1409.357	1402.022	1402.022	1410.405
177.0	1411.453	1409.357	1403.070	1403.070	1410.405
177.5	1412.501	1409.357	1403.070	1403.070	1410.405
178.0	1412.501	1409.357	1403.070	1403.070	1410.405
178.5	1412.501	1410.405	1403.070	1403.070	1410.405
179.0	1412.501	1410.405	1404.118	1403.070	1410.405
179.5	1412.501	1410.405	1404.118	1403.070	1410.405
180.0	1407.261	1407.261	1407.261	1407.261	1407.261



**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2U-4-00-P8-8TW-F-POE X\_4000K.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.00	N.A.	0.00
0-60	0.00	N.A.	0.00
0-80	0.00	N.A.	0.00
0-90	0.19	N.A.	0.00
10-90	0.19	N.A.	0.00
20-40	0.00	N.A.	0.00
20-50	0.00	N.A.	0.00
40-70	0.00	N.A.	0.00
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.19	N.A.	0.00
90-110	176.67	N.A.	5.10
90-120	454.73	N.A.	13.10
90-130	950.57	N.A.	27.50
90-150	2347.78	N.A.	67.90
90-180	3459.63	N.A.	100.00
110-180	3282.96	N.A.	94.90
0-180	3459.82	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.19
90-100	39.21
100-110	137.46
110-120	278.06
120-130	495.84
130-140	688.22
140-150	709.00
150-160	591.12
160-170	386.94
170-180	133.79

# IES INDOOR REPORT

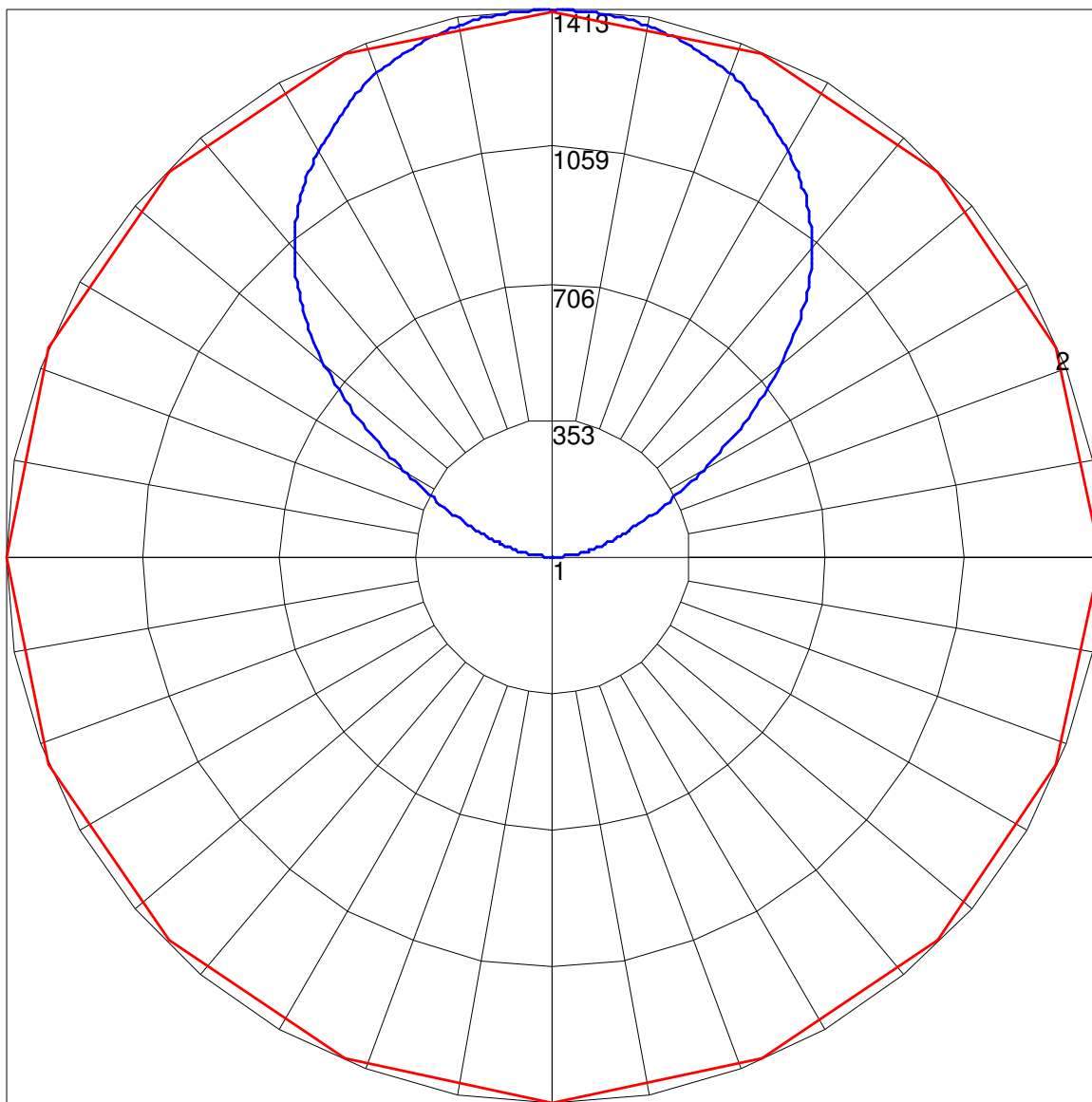
PHOTOMETRIC FILENAME : MX2U-4-00-P8-8TW-F-POE X\_4000K.IES

## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
0	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

POLAR GRAPH



Maximum Candela = 1412.501 Located At Horizontal Angle = 0, Vertical Angle = 177.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (177.5) (Through Max. Cd.)