



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2WU-4-00-L8-8TW-F-DIM-UNV 4000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL 13012869.07

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 12/6/2019

[MANUFAC] H E Williams Inc

[LUMCAT] MX2WU-4'00-L8/8TW-F-AC/Dxx-XX-DIM-UNV 4000k

[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)	131
Total Luminaire Watts	26.4
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 : MX2WU-4-00-L8-8TW-F-DIM-UNV 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 : MX2WU-4-00-L8-8TW-F-DIM-UNV 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 : MX2WU-4-00-L8-8TW-F-DIM-UNV 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 : MX2WU-4-00-L8-8TW-F-DIM-UNV 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	52.393
100.0	102.061	90.744	73.559	59.832	55.955
100.5	107.090	96.402	78.798	63.604	59.727
101.0	113.168	102.061	83.618	67.691	63.709
101.5	118.197	107.614	88.439	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	102.061	90.010	81.104
103.5	139.364	134.439	106.776	96.088	86.762
104.0	144.813	141.565	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	106.462
105.5	163.569	159.902	127.104	116.521	111.596
106.0	169.961	166.399	132.029	121.865	117.045
106.5	176.458	172.686	137.897	126.895	122.284
107.0	182.955	179.601	143.870	131.924	127.419
107.5	188.927	186.413	150.052	137.268	132.658
108.0	195.110	193.433	155.187	142.298	138.316
108.5	201.606	201.292	160.426	147.223	143.660
109.0	208.417	209.675	166.399	152.567	148.795
109.5	215.543	217.953	172.476	159.064	154.663
110.0	223.611	225.916	179.078	166.294	159.797
110.5	231.784	234.404	185.784	172.686	165.875

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2WU-4-00-L8-8TW-F-DIM-UNV 4000K.IES

CANDELA TABULATION - (Cont.)

111.0	240.586	243.835	192.909	179.287	172.790
111.5	249.912	252.951	200.663	185.574	181.278
112.0	259.972	261.753	209.151	191.966	189.766
112.5	270.450	270.660	218.162	198.777	196.472
113.0	279.881	279.986	228.746	205.798	204.226
113.5	289.626	289.835	239.958	212.190	211.770
114.0	299.895	299.999	251.798	219.210	218.791
114.5	310.583	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	239.539
116.0	343.800	341.913	298.952	250.541	246.978
116.5	355.012	353.230	310.373	259.343	255.047
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	392.944	390.115	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	314.041	301.152
119.5	433.915	430.981	388.438	328.082	312.155
120.0	448.165	445.231	402.270	343.066	323.576
120.5	462.731	459.482	416.940	358.784	335.836
121.0	477.610	474.571	432.657	374.082	349.248
121.5	492.699	489.556	448.794	389.905	363.604
122.0	507.998	504.121	464.931	405.413	379.426
122.5	523.506	519.419	481.697	420.397	395.983
123.0	539.224	534.927	499.510	435.277	412.539
123.5	554.941	550.750	517.952	450.261	429.409
124.0	570.450	566.677	536.080	466.084	445.022
124.5	585.958	582.814	554.103	482.849	460.844
125.0	601.990	599.265	572.440	500.558	477.191
125.5	619.070	615.717	590.987	518.267	493.642
126.0	635.835	632.587	609.849	535.766	510.617
126.5	652.706	649.353	628.291	553.894	528.012
127.0	669.786	665.909	646.523	572.440	545.092
127.5	687.075	682.569	664.442	591.511	562.695
128.0	704.050	699.335	682.255	609.953	581.662
128.5	720.502	715.996	699.754	627.872	601.152
129.0	737.162	732.866	716.729	646.000	620.222
129.5	753.404	749.737	733.600	665.699	639.398
130.0	769.017	766.607	749.946	686.342	658.679
130.5	784.421	783.477	766.188	706.984	677.854
131.0	799.614	800.138	782.639	727.103	698.287
131.5	815.018	816.799	798.881	747.012	718.301
132.0	830.421	833.146	814.389	767.864	738.525
132.5	846.034	848.863	829.792	789.136	759.272
133.0	861.018	863.952	845.091	808.731	780.439
133.5	875.374	878.937	860.704	826.963	801.710
134.0	889.520	893.502	876.107	844.253	823.191
134.5	903.561	908.172	891.092	861.752	843.310
135.0	917.497	922.842	906.181	878.413	863.219
135.5	931.224	936.987	921.270	894.340	882.709
136.0	944.951	950.610	936.044	909.429	901.151
136.5	958.364	963.708	950.190	923.889	918.231
137.0	971.252	976.177	963.708	939.083	934.054
137.5	984.036	988.332	977.120	954.172	949.247
138.0	996.296	1000.487	990.323	968.737	964.127
138.5	1008.346	1012.328	1003.421	982.359	978.587

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2WU-4-00-L8-8TW-F-DIM-UNV 4000K.IES

CANDELA TABULATION - (Cont.)

139.0	1019.768	1023.749	1015.681	994.934	992.314
139.5	1030.456	1034.647	1027.207	1006.984	1005.517
140.0	1041.249	1045.335	1038.524	1018.615	1018.510
140.5	1052.041	1056.233	1049.946	1030.037	1031.189
141.0	1062.520	1065.663	1061.472	1041.249	1043.239
141.5	1072.998	1076.142	1071.951	1053.089	1054.137
142.0	1082.429	1086.620	1082.429	1064.616	1065.663
142.5	1090.812	1096.051	1091.860	1076.142	1076.142
143.0	1100.243	1105.482	1102.338	1086.620	1086.620
143.5	1109.673	1114.912	1111.769	1097.099	1097.099
144.0	1119.104	1124.343	1122.247	1107.577	1107.577
144.5	1127.487	1132.726	1131.678	1118.056	1118.056
145.0	1136.917	1141.109	1140.061	1127.487	1128.534
145.5	1145.300	1148.444	1148.444	1137.965	1139.013
146.0	1153.683	1156.826	1157.874	1148.444	1149.491
146.5	1162.066	1165.209	1167.305	1157.874	1158.922
147.0	1169.401	1173.592	1174.640	1168.353	1169.401
147.5	1176.736	1180.927	1183.023	1177.783	1178.831
148.0	1184.071	1188.262	1191.405	1187.214	1188.262
148.5	1191.405	1195.597	1198.740	1195.597	1197.693
149.0	1198.740	1201.884	1206.075	1203.980	1207.123
149.5	1205.028	1209.219	1213.410	1212.362	1216.554
150.0	1211.315	1216.554	1219.697	1219.697	1224.937
150.5	1218.650	1223.889	1227.032	1228.080	1234.367
151.0	1224.937	1231.224	1233.319	1235.415	1241.702
151.5	1231.224	1237.511	1240.654	1242.750	1250.085
152.0	1237.511	1244.846	1246.942	1250.085	1256.372
152.5	1244.846	1251.133	1252.181	1256.372	1263.707
153.0	1251.133	1257.420	1258.468	1262.659	1269.994
153.5	1257.420	1263.707	1263.707	1267.899	1276.281
154.0	1263.707	1269.994	1269.994	1274.186	1281.521
154.5	1268.946	1276.281	1275.233	1279.425	1287.808
155.0	1275.233	1282.568	1280.473	1284.664	1293.047
155.5	1281.521	1287.808	1285.712	1289.903	1297.238
156.0	1287.808	1294.095	1290.951	1295.143	1302.478
156.5	1294.095	1299.334	1296.190	1299.334	1306.669
157.0	1300.382	1304.573	1301.430	1304.573	1310.860
157.5	1305.621	1309.813	1306.669	1309.813	1315.052
158.0	1311.908	1314.004	1311.908	1314.004	1319.243
158.5	1317.147	1319.243	1316.100	1319.243	1323.435
159.0	1321.339	1323.435	1321.339	1323.435	1327.626
159.5	1326.578	1328.674	1326.578	1327.626	1332.865
160.0	1330.770	1332.865	1330.770	1331.817	1337.057
160.5	1333.913	1336.009	1334.961	1336.009	1342.296
161.0	1338.104	1340.200	1340.200	1340.200	1346.487
161.5	1342.296	1344.392	1344.392	1344.392	1351.727
162.0	1346.487	1347.535	1348.583	1349.631	1355.918
162.5	1350.679	1351.727	1352.774	1353.822	1361.157
163.0	1353.822	1354.870	1356.966	1358.014	1365.349
163.5	1358.014	1358.014	1360.109	1361.157	1369.540
164.0	1361.157	1362.205	1363.253	1365.349	1373.731
164.5	1364.301	1365.349	1367.444	1368.492	1377.923
165.0	1367.444	1368.492	1369.540	1372.684	1381.066
165.5	1369.540	1371.636	1372.684	1375.827	1384.210
166.0	1372.684	1374.779	1374.779	1378.971	1388.401
166.5	1375.827	1376.875	1376.875	1381.066	1390.497

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2WU-4-00-L8-8TW-F-DIM-UNV 4000K.IES

CANDELA TABULATION - (Cont.)

167.0	1378.971	1380.018	1380.018	1383.162	1393.641
167.5	1381.066	1382.114	1382.114	1386.306	1395.736
168.0	1384.210	1385.258	1384.210	1388.401	1397.832
168.5	1386.306	1387.353	1385.258	1390.497	1399.928
169.0	1389.449	1389.449	1387.353	1391.545	1402.023
169.5	1391.545	1391.545	1389.449	1392.593	1403.071
170.0	1393.641	1393.641	1391.545	1394.688	1404.119
170.5	1395.736	1395.736	1392.593	1395.736	1405.167
171.0	1397.832	1397.832	1394.688	1396.784	1406.215
171.5	1399.928	1398.880	1395.736	1396.784	1407.263
172.0	1400.975	1400.975	1396.784	1397.832	1408.310
172.5	1403.071	1402.023	1397.832	1398.880	1408.310
173.0	1404.119	1403.071	1398.880	1398.880	1409.358
173.5	1406.215	1405.167	1398.880	1399.928	1409.358
174.0	1407.263	1406.215	1399.928	1400.975	1409.358
174.5	1408.310	1406.215	1400.975	1400.975	1410.406
175.0	1409.358	1407.263	1400.975	1400.975	1410.406
175.5	1410.406	1408.310	1402.023	1402.023	1410.406
176.0	1410.406	1408.310	1402.023	1402.023	1410.406
176.5	1411.454	1409.358	1402.023	1402.023	1410.406
177.0	1411.454	1409.358	1403.071	1403.071	1410.406
177.5	1412.502	1409.358	1403.071	1403.071	1410.406
178.0	1412.502	1409.358	1403.071	1403.071	1410.406
178.5	1412.502	1410.406	1403.071	1403.071	1410.406
179.0	1412.502	1410.406	1404.119	1403.071	1410.406
179.5	1412.502	1410.406	1404.119	1403.071	1410.406
180.0	1407.263	1407.263	1407.263	1407.263	1407.263

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2WU-4-00-L8-8TW-F-DIM-UNV 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	2347.79	N.A.	67.90
90-180	3459.64	N.A.	100.00
110-180	3282.97	N.A.	94.90
0-180	3459.83	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

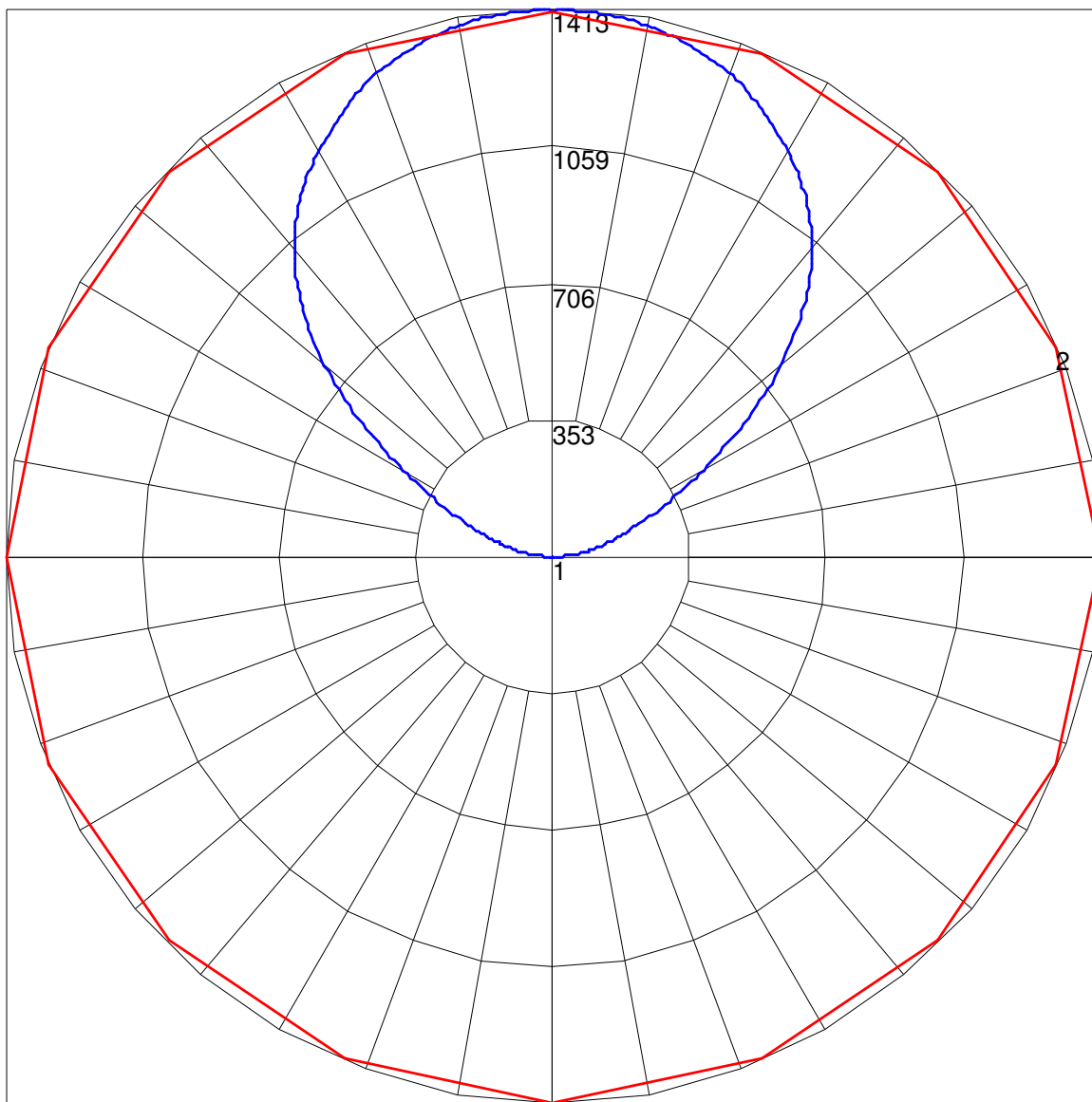
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2WU-4-00-L8-8TW-F-DIM-UNV 4000K.IES

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	28	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 = 1412.502 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.)