



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MX2WU-4-00-L10-RGB835-F-DMX-UNV\_.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]GEN FROM 13012869.07  
[TESTLAB] UL Verification Services Inc.  
[ISSUE DATE] 19 Apr, 2024  
[MANUFAC] H E Williams Inc  
[LUMCAT] MX2WU-4'00-L10/RGB835-F-DMX-UNV - WHITE ONLY  
[LUMINAIRE] Formed White aluminum housing, lens  
[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	4304
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	43.2
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

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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	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

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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

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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**  
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**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	7.561	8.473	8.473	9.125	9.386
90.5	10.559	10.820	10.038	10.690	10.950
91.0	13.818	13.688	11.732	12.123	12.384
91.5	19.684	16.947	13.557	13.688	13.818
92.0	25.681	20.206	16.034	15.513	15.513
92.5	31.808	23.856	18.772	17.599	17.468
93.0	38.195	28.158	21.900	19.945	19.945
93.5	44.453	32.981	25.420	23.074	22.552
94.0	50.710	38.587	29.331	26.463	25.681
94.5	57.098	43.801	33.372	29.983	28.940
95.0	63.485	49.015	37.674	33.503	32.460
95.5	69.873	54.621	42.106	37.022	35.979
96.0	76.130	60.226	46.669	40.542	39.369
96.5	82.388	66.614	51.362	44.192	42.628
97.0	88.906	72.741	56.055	47.842	45.756
97.5	95.424	78.998	61.139	51.753	49.276
98.0	101.420	85.516	66.353	55.794	53.057
98.5	108.068	92.816	72.350	60.357	56.967
99.0	114.456	99.465	79.650	64.919	61.008
99.5	120.844	106.113	85.516	69.743	65.180
100.0	126.971	112.892	91.513	74.436	69.612
100.5	133.228	119.931	98.031	79.129	74.305
101.0	140.789	126.971	104.027	84.213	79.259
101.5	147.046	133.880	110.024	89.688	84.213
102.0	153.303	141.832	115.890	96.466	89.557
102.5	159.691	150.175	121.235	104.679	95.032
103.0	166.730	158.387	126.971	111.979	100.899
103.5	173.379	167.252	132.837	119.540	107.938
104.0	180.158	176.116	138.703	126.449	118.106
104.5	188.631	183.808	144.309	132.706	126.319
105.0	195.931	190.977	151.348	138.573	132.446
105.5	203.492	198.929	158.127	144.960	138.833
106.0	211.444	207.012	164.254	151.609	145.612
106.5	219.526	214.833	171.554	157.866	152.130
107.0	227.609	223.437	178.984	164.123	158.518
107.5	235.039	231.910	186.676	170.772	165.036
108.0	242.730	240.645	193.063	177.029	172.075
108.5	250.813	250.422	199.581	183.156	178.724
109.0	259.286	260.850	207.012	189.804	185.111
109.5	268.151	271.149	214.573	197.886	192.411
110.0	278.188	281.056	222.785	206.881	198.799
110.5	288.356	291.615	231.128	214.833	206.360

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**CANDELA TABULATION - (Cont.)**

111.0	299.307	303.348	239.993	223.046	214.964
111.5	310.909	314.689	249.639	230.868	225.523
112.0	323.423	325.639	260.199	238.820	236.082
112.5	336.459	336.720	271.410	247.293	244.425
113.0	348.192	348.322	284.576	256.027	254.072
113.5	360.315	360.576	298.524	263.979	263.458
114.0	373.090	373.221	313.255	272.713	272.192
114.5	386.387	385.605	328.116	281.708	281.447
115.0	400.205	398.119	342.716	291.615	290.572
115.5	414.023	411.416	357.447	301.914	298.003
116.0	427.711	425.365	371.917	311.691	307.259
116.5	441.660	439.444	386.126	322.641	317.296
117.0	456.912	454.174	400.075	334.634	327.986
117.5	472.685	469.296	415.197	347.931	338.936
118.0	488.850	485.330	431.752	361.358	350.277
118.5	505.406	501.886	449.090	375.306	362.010
119.0	522.483	518.833	466.167	390.689	374.655
119.5	539.821	536.171	483.245	408.157	388.342
120.0	557.550	553.900	500.452	426.799	402.552
120.5	575.670	571.629	518.702	446.353	417.804
121.0	594.181	590.400	538.256	465.385	434.490
121.5	612.953	609.042	558.332	485.070	452.349
122.0	631.985	627.162	578.407	504.363	472.034
122.5	651.279	646.194	599.265	523.004	492.630
123.0	670.833	665.488	621.426	541.515	513.227
123.5	690.387	685.172	644.369	560.157	534.215
124.0	709.680	704.987	666.922	579.841	553.639
124.5	728.973	725.062	689.344	600.699	573.323
125.0	748.918	745.529	712.157	622.730	593.659
125.5	770.167	765.995	735.230	644.761	614.126
126.0	791.024	786.983	758.695	666.531	635.244
126.5	812.012	807.841	781.639	689.083	656.884
127.0	833.261	828.438	804.321	712.157	678.133
127.5	854.770	849.165	826.613	735.882	700.033
128.0	875.889	870.023	848.774	758.826	723.628
128.5	896.355	890.750	870.544	781.117	747.875
129.0	917.083	911.738	891.662	803.669	771.601
129.5	937.288	932.726	912.650	828.177	795.457
130.0	956.712	953.714	932.986	853.858	819.443
130.5	975.875	974.702	953.192	879.539	843.299
131.0	994.777	995.429	973.659	904.568	868.719
131.5	1013.940	1016.156	993.865	929.336	893.618
132.0	1033.103	1036.492	1013.158	955.278	918.777
132.5	1052.527	1056.046	1032.321	981.741	944.589
133.0	1071.168	1074.818	1051.353	1006.118	970.921
133.5	1089.027	1093.460	1070.777	1028.801	997.384
134.0	1106.626	1111.580	1089.940	1050.310	1024.108
134.5	1124.094	1129.830	1108.581	1072.081	1049.137
135.0	1141.432	1148.080	1127.353	1092.808	1073.906
135.5	1158.509	1165.679	1146.125	1112.623	1098.153
136.0	1175.586	1182.626	1164.506	1131.394	1121.096
136.5	1192.273	1198.921	1182.104	1149.384	1142.345
137.0	1208.307	1214.434	1198.921	1168.286	1162.029
137.5	1224.211	1229.555	1215.607	1187.058	1180.931
138.0	1239.463	1244.677	1232.032	1205.178	1199.442
138.5	1254.454	1259.408	1248.327	1222.125	1217.432

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**CANDELA TABULATION - (Cont.)**

139.0	1268.663	1273.617	1263.579	1237.768	1234.509
139.5	1281.960	1287.175	1277.919	1252.760	1250.935
140.0	1295.387	1300.471	1291.998	1267.230	1267.099
140.5	1308.814	1314.029	1306.207	1281.439	1282.873
141.0	1321.850	1325.761	1320.547	1295.387	1297.864
141.5	1334.886	1338.797	1333.583	1310.118	1311.422
142.0	1346.619	1351.833	1346.619	1324.458	1325.761
142.5	1357.048	1363.566	1358.351	1338.797	1338.797
143.0	1368.780	1375.298	1371.387	1351.833	1351.833
143.5	1380.512	1387.030	1383.120	1364.869	1364.869
144.0	1392.245	1398.763	1396.156	1377.905	1377.905
144.5	1402.674	1409.192	1407.888	1390.941	1390.941
145.0	1414.406	1419.620	1418.317	1402.674	1403.977
145.5	1424.835	1428.746	1428.746	1415.710	1417.013
146.0	1435.264	1439.174	1440.478	1428.746	1430.049
146.5	1445.692	1449.603	1452.210	1440.478	1441.782
147.0	1454.818	1460.032	1461.336	1453.514	1454.818
147.5	1463.943	1469.157	1471.764	1465.246	1466.550
148.0	1473.068	1478.282	1482.193	1476.979	1478.282
148.5	1482.193	1487.408	1491.318	1487.408	1490.015
149.0	1491.318	1495.229	1500.444	1497.836	1501.747
149.5	1499.140	1504.354	1509.569	1508.265	1513.480
150.0	1506.962	1513.480	1517.390	1517.390	1523.908
150.5	1516.087	1522.605	1526.516	1527.819	1535.641
151.0	1523.908	1531.730	1534.337	1536.944	1544.766
151.5	1531.730	1539.552	1543.462	1546.070	1555.195
152.0	1539.552	1548.677	1551.284	1555.195	1563.016
152.5	1548.677	1556.498	1557.802	1563.016	1572.142
153.0	1556.498	1564.320	1565.624	1570.838	1579.963
153.5	1564.320	1572.142	1572.142	1577.356	1587.785
154.0	1572.142	1579.963	1579.963	1585.178	1594.303
154.5	1578.660	1587.785	1586.481	1591.696	1602.124
155.0	1586.481	1595.606	1592.999	1598.214	1608.642
155.5	1594.303	1602.124	1599.517	1604.732	1613.857
156.0	1602.124	1609.946	1606.035	1611.250	1620.375
156.5	1609.946	1616.464	1612.553	1616.464	1625.589
157.0	1617.768	1622.982	1619.071	1622.982	1630.804
157.5	1624.286	1629.500	1625.589	1629.500	1636.018
158.0	1632.107	1634.714	1632.107	1634.714	1641.232
158.5	1638.625	1641.232	1637.322	1641.232	1646.447
159.0	1643.840	1646.447	1643.840	1646.447	1651.661
159.5	1650.358	1652.965	1650.358	1651.661	1658.179
160.0	1655.572	1658.179	1655.572	1656.876	1663.394
160.5	1659.483	1662.090	1660.786	1662.090	1669.912
161.0	1664.697	1667.304	1667.304	1667.304	1675.126
161.5	1669.912	1672.519	1672.519	1672.519	1681.644
162.0	1675.126	1676.430	1677.733	1679.037	1686.858
162.5	1680.340	1681.644	1682.948	1684.251	1693.376
163.0	1684.251	1685.555	1688.162	1689.466	1698.591
163.5	1689.466	1689.466	1692.073	1693.376	1703.805
164.0	1693.376	1694.680	1695.984	1698.591	1709.020
164.5	1697.287	1698.591	1701.198	1702.502	1714.234
165.0	1701.198	1702.502	1703.805	1707.716	1718.145
165.5	1703.805	1706.412	1707.716	1711.627	1722.056
166.0	1707.716	1710.323	1710.323	1715.538	1727.270
166.5	1711.627	1712.930	1712.930	1718.145	1729.877

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : MX2WU-4-00-L10-RGB835-F-DMX-UNV\_.IES

CANDELA TABULATION - (Cont.)

167.0	1715.538	1716.841	1716.841	1720.752	1733.788
167.5	1718.145	1719.448	1719.448	1724.663	1736.395
168.0	1722.056	1723.359	1722.056	1727.270	1739.002
168.5	1724.663	1725.966	1723.359	1729.877	1741.610
169.0	1728.574	1728.574	1725.966	1731.181	1744.217
169.5	1731.181	1731.181	1728.574	1732.484	1745.520
170.0	1733.788	1733.788	1731.181	1735.092	1746.824
170.5	1736.395	1736.395	1732.484	1736.395	1748.128
171.0	1739.002	1739.002	1735.092	1737.699	1749.431
171.5	1741.610	1740.306	1736.395	1737.699	1750.735
172.0	1742.913	1742.913	1737.699	1739.002	1752.038
172.5	1745.520	1744.217	1739.002	1740.306	1752.038
173.0	1746.824	1745.520	1740.306	1740.306	1753.342
173.5	1749.431	1748.128	1740.306	1741.610	1753.342
174.0	1750.735	1749.431	1741.610	1742.913	1753.342
174.5	1752.038	1749.431	1742.913	1742.913	1754.646
175.0	1753.342	1750.735	1742.913	1742.913	1754.646
175.5	1754.646	1752.038	1744.217	1744.217	1754.646
176.0	1754.646	1752.038	1744.217	1744.217	1754.646
176.5	1755.949	1753.342	1744.217	1744.217	1754.646
177.0	1755.949	1753.342	1745.520	1745.520	1754.646
177.5	1757.253	1753.342	1745.520	1745.520	1754.646
178.0	1757.253	1753.342	1745.520	1745.520	1754.646
178.5	1757.253	1754.646	1745.520	1745.520	1754.646
179.0	1757.253	1754.646	1746.824	1745.520	1754.646
179.5	1757.253	1754.646	1746.824	1745.520	1754.646
180.0	1750.735	1750.735	1750.735	1750.735	1750.735



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**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	0.24	N.A.	0.00
10-90	0.24	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	0.24	N.A.	0.00
90-110	219.79	N.A.	5.10
90-120	565.72	N.A.	13.10
90-130	1182.57	N.A.	27.50
90-150	2920.81	N.A.	67.90
90-180	4304.03	N.A.	100.00
110-180	4084.25	N.A.	94.90
0-180	4304.27	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	0.24
90-100	48.78
100-110	171.01
110-120	345.93
120-130	616.86
130-140	856.19
140-150	882.05
150-160	735.39
160-170	481.38
170-180	166.45

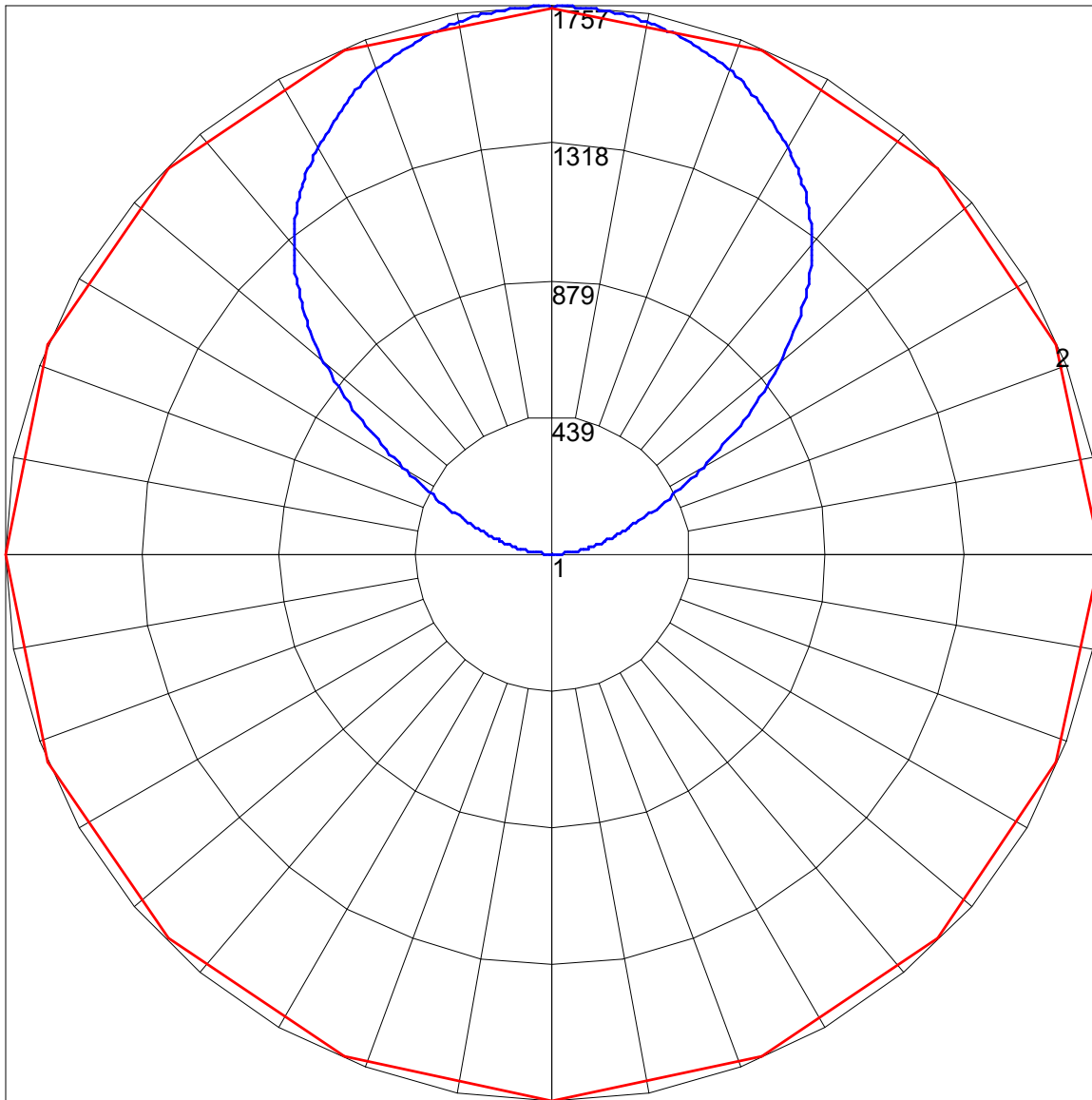
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 1757.253 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.)