

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2U-8-00-L4-935-F-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

[IESNA:LM-63-2002

[TEST] GEN FROM 13012869.07

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 02/12/2026

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.

[LUMCAT] MX2U-8-00-L4-935-F-DIM-UNV

[LUMINAIRE] Formed White aluminum housing, lens

[LAMP] 90 CRI 3500K CCT

[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	2763
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	23
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)	8.00 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	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

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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	4.853	5.439	5.439	5.857	6.025
90.5	6.778	6.945	6.443	6.861	7.029
91.0	8.870	8.786	7.531	7.782	7.949
91.5	12.635	10.878	8.702	8.786	8.870
92.0	16.484	12.970	10.292	9.958	9.958
92.5	20.417	15.313	12.049	11.296	11.213
93.0	24.517	18.074	14.058	12.803	12.803
93.5	28.534	21.170	16.317	14.811	14.476
94.0	32.550	24.768	18.827	16.986	16.484
94.5	36.650	28.115	21.421	19.246	18.576
95.0	40.750	31.462	24.183	21.505	20.835
95.5	44.851	35.060	27.028	23.764	23.095
96.0	48.867	38.659	29.956	26.023	25.270
96.5	52.884	42.759	32.969	28.366	27.362
97.0	57.067	46.692	35.981	30.709	29.370
97.5	61.251	50.708	39.244	33.220	31.630
98.0	65.100	54.892	42.591	35.814	34.056
98.5	69.368	59.578	46.440	38.742	36.567
99.0	73.468	63.845	51.126	41.671	39.161
99.5	77.568	68.113	54.892	44.767	41.838
100.0	81.501	72.464	58.741	47.779	44.683
100.5	85.517	76.982	62.925	50.792	47.696
101.0	90.371	81.501	66.774	54.055	50.875
101.5	94.387	85.936	70.623	57.569	54.055
102.0	98.404	91.040	74.388	61.921	57.486
102.5	102.504	96.395	77.819	67.192	61.000
103.0	107.022	101.667	81.501	71.878	64.766
103.5	111.290	107.357	85.266	76.731	69.284
104.0	115.641	113.047	89.032	81.166	75.811
104.5	121.080	117.984	92.630	85.183	81.083
105.0	125.766	122.586	97.148	88.948	85.015
105.5	130.619	127.690	101.500	93.048	89.116
106.0	135.723	132.878	105.432	97.316	93.467
106.5	140.911	137.899	110.118	101.332	97.651
107.0	146.099	143.422	114.888	105.349	101.751
107.5	150.869	148.861	119.825	109.616	105.935
108.0	155.806	154.467	123.925	113.633	110.453
108.5	160.994	160.743	128.109	117.566	114.721
109.0	166.433	167.437	132.878	121.833	118.821
109.5	172.123	174.047	137.732	127.021	123.507
110.0	178.566	180.407	143.003	132.795	127.607
110.5	185.093	187.184	148.359	137.899	132.460

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CANDELA TABULATION - (Cont.)

111.0	192.121	194.715	154.049	143.171	137.983
111.5	199.569	201.995	160.241	148.191	144.760
112.0	207.602	209.024	167.018	153.295	151.538
112.5	215.969	216.137	174.215	158.734	156.894
113.0	223.500	223.584	182.666	164.341	163.086
113.5	231.282	231.449	191.619	169.445	169.110
114.0	239.482	239.566	201.075	175.051	174.717
114.5	248.017	247.515	210.614	180.825	180.658
115.0	256.887	255.548	219.986	187.184	186.515
115.5	265.757	264.083	229.441	193.795	191.285
116.0	274.543	273.037	238.729	200.071	197.226
116.5	283.496	282.074	247.850	207.099	203.669
117.0	293.286	291.529	256.803	214.798	210.530
117.5	303.411	301.236	266.510	223.333	217.559
118.0	313.787	311.528	277.137	231.951	224.839
118.5	324.414	322.155	288.266	240.905	232.370
119.0	335.376	333.033	299.227	250.779	240.486
119.5	346.505	344.162	310.189	261.991	249.272
120.0	357.885	355.542	321.234	273.957	258.393
120.5	369.516	366.922	332.949	286.509	268.183
121.0	381.398	378.971	345.501	298.725	278.894
121.5	393.447	390.937	358.387	311.360	290.358
122.0	405.664	402.568	371.273	323.745	302.993
122.5	418.048	414.785	384.661	335.710	316.214
123.0	430.600	427.169	398.886	347.592	329.435
123.5	443.151	439.804	413.613	359.558	342.907
124.0	455.535	452.523	428.089	372.193	355.374
124.5	467.919	465.409	442.482	385.582	368.010
125.0	480.722	478.546	457.125	399.723	381.063
125.5	494.361	491.683	471.936	413.864	394.200
126.0	507.749	505.155	486.998	427.838	407.756
126.5	521.221	518.544	501.725	442.314	421.646
127.0	534.861	531.765	516.284	457.125	435.285
127.5	548.667	545.069	530.593	472.354	449.343
128.0	562.223	558.457	544.818	487.081	464.489
128.5	575.360	571.762	558.792	501.390	480.052
129.0	588.665	585.234	572.348	515.866	495.282
129.5	601.634	598.706	585.820	531.597	510.594
130.0	614.102	612.178	598.873	548.081	525.991
130.5	626.403	625.650	611.843	564.566	541.304
131.0	638.536	638.954	624.980	580.632	557.621
131.5	650.836	652.259	637.950	596.530	573.603
132.0	663.137	665.312	650.334	613.182	589.752
132.5	675.605	677.864	662.635	630.168	606.320
133.0	687.570	689.913	674.851	645.816	623.223
133.5	699.034	701.879	687.319	660.375	640.209
134.0	710.330	713.510	699.620	674.182	657.363
134.5	721.543	725.225	711.585	688.156	673.429
135.0	732.672	736.939	723.635	701.461	689.327
135.5	743.634	748.236	735.684	714.179	704.891
136.0	754.595	759.114	747.483	726.229	719.618
136.5	765.306	769.573	758.779	737.776	733.258
137.0	775.598	779.531	769.573	749.909	745.893
137.5	785.807	789.237	780.284	761.959	758.026
138.0	795.597	798.944	790.827	773.590	769.908
138.5	805.220	808.399	801.287	784.468	781.455

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CANDELA TABULATION - (Cont.)

139.0	814.340	817.520	811.077	794.509	792.417
139.5	822.875	826.222	820.281	804.132	802.960
140.0	831.494	834.757	829.318	813.420	813.336
140.5	840.113	843.460	838.439	822.541	823.461
141.0	848.480	850.991	847.644	831.494	833.084
141.5	856.848	859.358	856.011	840.949	841.786
142.0	864.379	867.726	864.379	850.154	850.991
142.5	871.073	875.257	871.910	859.358	859.358
143.0	878.604	882.788	880.277	867.726	867.726
143.5	886.135	890.319	887.808	876.094	876.094
144.0	893.666	897.849	896.176	884.461	884.461
144.5	900.360	904.544	903.707	892.829	892.829
145.0	907.891	911.238	910.401	900.360	901.197
145.5	914.585	917.095	917.095	908.727	909.564
146.0	921.279	923.789	924.626	917.095	917.932
146.5	927.973	930.483	932.157	924.626	925.463
147.0	933.830	937.177	938.014	932.994	933.830
147.5	939.688	943.035	944.708	940.525	941.361
148.0	945.545	948.892	951.402	948.055	948.892
148.5	951.402	954.750	957.260	954.750	956.423
149.0	957.260	959.770	963.117	961.444	963.954
149.5	962.280	965.627	968.975	968.138	971.485
150.0	967.301	971.485	973.995	973.995	978.179
150.5	973.158	977.342	979.853	980.689	985.710
151.0	978.179	983.200	984.873	986.547	991.567
151.5	983.200	988.220	990.730	992.404	998.261
152.0	988.220	994.078	995.751	998.261	1003.282
152.5	994.078	999.098	999.935	1003.282	1009.139
153.0	999.098	1004.119	1004.955	1008.303	1014.160
153.5	1004.119	1009.139	1009.139	1012.486	1019.180
154.0	1009.139	1014.160	1014.160	1017.507	1023.364
154.5	1013.323	1019.180	1018.344	1021.691	1028.385
155.0	1018.344	1024.201	1022.528	1025.875	1032.569
155.5	1023.364	1028.385	1026.711	1030.058	1035.916
156.0	1028.385	1033.406	1030.895	1034.242	1040.100
156.5	1033.406	1037.589	1035.079	1037.589	1043.447
157.0	1038.426	1041.773	1039.263	1041.773	1046.794
157.5	1042.610	1045.957	1043.447	1045.957	1050.141
158.0	1047.631	1049.304	1047.631	1049.304	1053.488
158.5	1051.814	1053.488	1050.978	1053.488	1056.835
159.0	1055.161	1056.835	1055.161	1056.835	1060.182
159.5	1059.345	1061.019	1059.345	1060.182	1064.366
160.0	1062.692	1064.366	1062.692	1063.529	1067.713
160.5	1065.203	1066.876	1066.039	1066.876	1071.897
161.0	1068.550	1070.223	1070.223	1070.223	1075.244
161.5	1071.897	1073.570	1073.570	1073.570	1079.428
162.0	1075.244	1076.081	1076.917	1077.754	1082.775
162.5	1078.591	1079.428	1080.264	1081.101	1086.958
163.0	1081.101	1081.938	1083.611	1084.448	1090.306
163.5	1084.448	1084.448	1086.122	1086.958	1093.653
164.0	1086.958	1087.795	1088.632	1090.306	1097.000
164.5	1089.469	1090.306	1091.979	1092.816	1100.347
165.0	1091.979	1092.816	1093.653	1096.163	1102.857
165.5	1093.653	1095.326	1096.163	1098.673	1105.367
166.0	1096.163	1097.836	1097.836	1101.184	1108.714
166.5	1098.673	1099.510	1099.510	1102.857	1110.388

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CANDELA TABULATION - (Cont.)

167.0	1101.184	1102.020	1102.020	1104.531	1112.898
167.5	1102.857	1103.694	1103.694	1107.041	1114.572
168.0	1105.367	1106.204	1105.367	1108.714	1116.245
168.5	1107.041	1107.878	1106.204	1110.388	1117.919
169.0	1109.551	1109.551	1107.878	1111.225	1119.592
169.5	1111.225	1111.225	1109.551	1112.061	1120.429
170.0	1112.898	1112.898	1111.225	1113.735	1121.266
170.5	1114.572	1114.572	1112.061	1114.572	1122.103
171.0	1116.245	1116.245	1113.735	1115.409	1122.939
171.5	1117.919	1117.082	1114.572	1115.409	1123.776
172.0	1118.756	1118.756	1115.409	1116.245	1124.613
172.5	1120.429	1119.592	1116.245	1117.082	1124.613
173.0	1121.266	1120.429	1117.082	1117.082	1125.450
173.5	1122.939	1122.103	1117.082	1117.919	1125.450
174.0	1123.776	1122.939	1117.919	1118.756	1125.450
174.5	1124.613	1122.939	1118.756	1118.756	1126.286
175.0	1125.450	1123.776	1118.756	1118.756	1126.286
175.5	1126.286	1124.613	1119.592	1119.592	1126.286
176.0	1126.286	1124.613	1119.592	1119.592	1126.286
176.5	1127.123	1125.450	1119.592	1119.592	1126.286
177.0	1127.123	1125.450	1120.429	1120.429	1126.286
177.5	1127.960	1125.450	1120.429	1120.429	1126.286
178.0	1127.960	1125.450	1120.429	1120.429	1126.286
178.5	1127.960	1126.286	1120.429	1120.429	1126.286
179.0	1127.960	1126.286	1121.266	1120.429	1126.286
179.5	1127.960	1126.286	1121.266	1120.429	1126.286
180.0	1123.776	1123.776	1123.776	1123.776	1123.776

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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	0.15	N.A.	0.00
10-90	0.15	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	0.15	N.A.	0.00
90-110	141.08	N.A.	5.10
90-120	363.13	N.A.	13.10
90-130	759.08	N.A.	27.50
90-150	1874.84	N.A.	67.90
90-180	2762.71	N.A.	100.00
110-180	2621.63	N.A.	94.90
0-180	2762.86	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	0.15
90-100	31.31
100-110	109.77
110-120	222.05
120-130	395.95
130-140	549.58
140-150	566.18
150-160	472.04
160-170	308.99
170-180	106.84

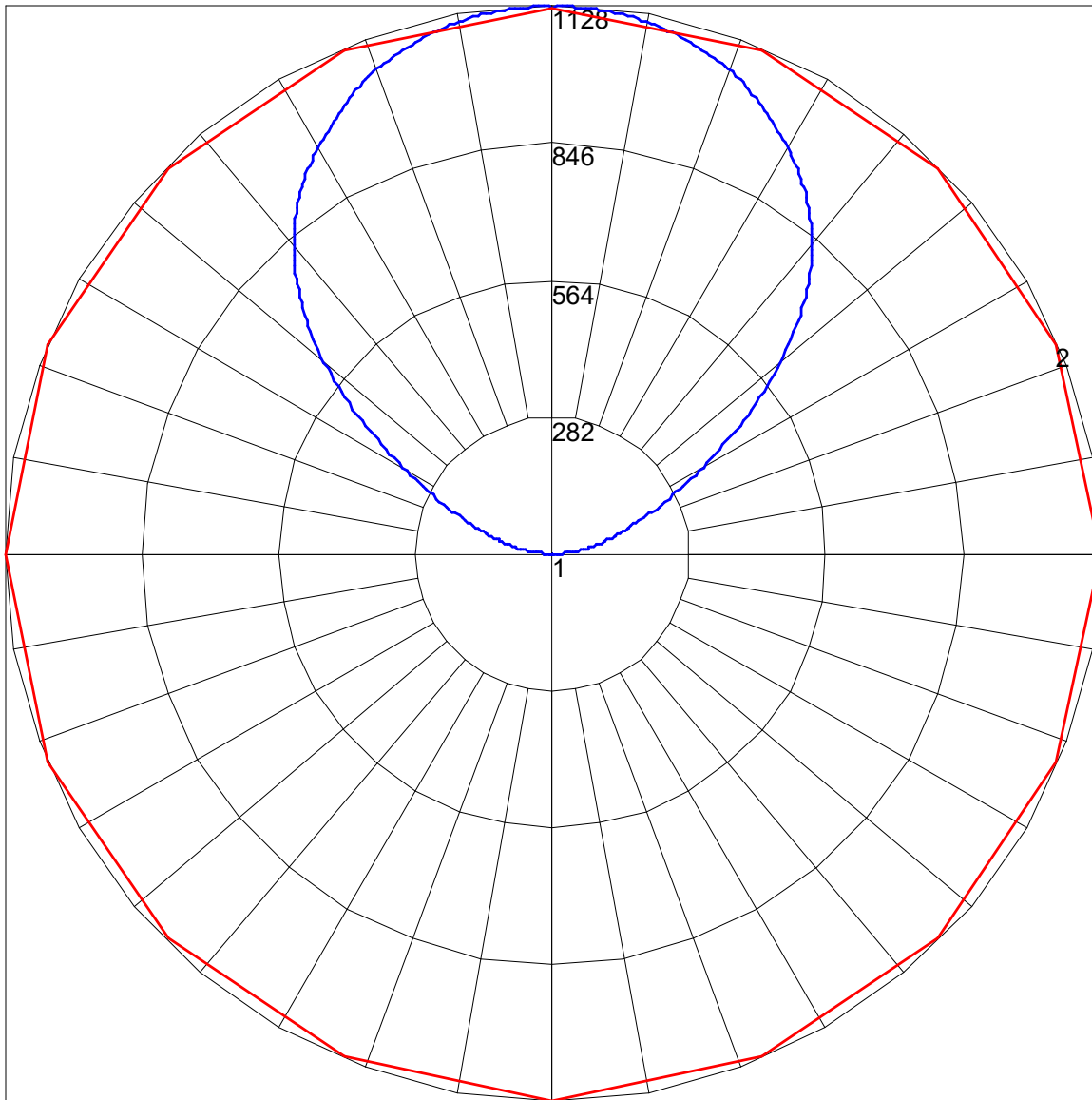
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	80	80	80	80	68	68	68	68	46	46	46	27	27	27	9	9	9	0
1	72	69	66	63	62	59	57	55	40	39	38	23	23	22	7	7	7	0
2	66	60	56	52	56	52	48	45	35	33	31	20	19	18	7	6	6	0
3	60	53	47	43	51	45	41	37	31	28	26	18	17	15	6	5	5	0
4	55	47	41	36	47	40	35	31	27	24	22	16	14	13	5	5	4	0
5	50	41	35	30	43	35	30	27	24	21	19	14	12	11	5	4	4	0
6	46	37	31	26	39	32	26	23	22	18	16	13	11	10	4	4	3	0
7	42	33	27	22	36	28	23	20	20	16	14	11	10	8	4	3	3	0
8	39	30	24	20	33	25	20	17	18	14	12	10	8	7	3	3	2	0
9	36	27	21	17	31	23	18	15	16	13	11	9	8	6	3	2	2	0
10	34	24	19	15	29	21	16	13	15	11	9	8	7	6	3	2	2	0

POLAR GRAPH



Maximum Candela = 1127.96 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.)