



IES INDOOR REPORT

PHOTOMETRIC FILENAME : AI3SLD-8-L16-835-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL 13320192.01

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 19 MAY 2020

[MANUFAC] H E Williams Inc

[LUMCAT] AI3SLD-8-L16/835-S-DIM-UNV

[LUMINAIRE] Formed steel white housing with frosted lens

[LAMP] 835k HLM

[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	12208
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	102.6
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)	0.63 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	9.476	64.548	35.933	38.044	40.343
90.5	15.011	128.768	43.345	44.893	46.722
91.0	21.954	189.235	55.776	52.633	53.853
91.5	32.227	263.400	79.043	60.983	61.593
92.0	46.816	347.697	124.312	73.836	70.084
92.5	60.608	420.408	203.074	94.711	82.609
93.0	75.338	481.766	298.301	134.397	109.770
93.5	90.536	526.331	404.975	201.103	157.993
94.0	106.204	558.230	543.688	300.553	233.237
94.5	121.825	602.794	690.516	421.815	338.878
95.0	137.634	661.901	804.977	552.132	483.643
95.5	153.584	733.674	897.859	689.578	639.384
96.0	169.627	815.297	978.544	824.210	776.362
96.5	185.436	907.710	1044.687	956.496	899.735
97.0	201.479	996.839	1100.510	1085.499	1026.392
97.5	217.710	1071.426	1152.111	1200.429	1155.395
98.0	234.550	1125.842	1206.058	1286.274	1281.114
98.5	251.250	1168.999	1275.016	1348.195	1373.996
99.0	268.326	1201.367	1364.614	1394.167	1442.954
99.5	285.729	1222.476	1470.631	1443.423	1485.642
100.0	302.523	1243.117	1588.844	1506.751	1520.825
100.5	319.270	1267.041	1715.032	1585.560	1569.611
101.0	336.580	1288.151	1844.035	1679.850	1640.914
101.5	354.077	1305.976	1950.521	1792.903	1723.476
102.0	372.044	1323.802	2034.021	1909.240	1808.383
102.5	389.447	1337.875	2102.040	2031.206	1912.055
103.0	407.320	1351.479	2158.332	2149.419	2032.613
103.5	424.724	1365.552	2205.712	2269.040	2163.023
104.0	442.315	1381.033	2244.647	2384.439	2297.186
104.5	459.484	1399.797	2270.917	2491.394	2428.065
105.0	477.075	1415.277	2291.088	2583.338	2550.031
105.5	493.963	1428.881	2308.914	2662.147	2656.048
106.0	512.258	1445.299	2322.518	2726.882	2745.177
106.5	530.084	1462.187	2334.714	2774.731	2816.012
107.0	547.441	1476.260	2345.504	2811.790	2879.340
107.5	564.797	1492.209	2359.107	2837.590	2933.287
108.0	582.154	1509.097	2369.897	2858.700	2982.073
108.5	599.980	1524.108	2382.093	2876.056	3022.885
109.0	618.275	1541.934	2394.290	2889.660	3050.562
109.5	634.693	1556.476	2404.610	2907.017	3069.326
110.0	651.581	1570.549	2416.338	2920.621	3087.621
110.5	665.654	1585.560	2424.782	2937.509	3099.348

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CANDELA TABULATION - (Cont.)

111.0	681.134	1598.226	2436.040	2951.582	3116.705
111.5	697.553	1611.361	2447.768	2960.964	3130.309
112.0	714.440	1623.088	2462.779	2966.124	3141.098
112.5	732.266	1636.223	2472.161	2974.099	3148.604
113.0	749.154	1649.358	2479.197	2982.073	3158.455
113.5	766.041	1659.678	2485.296	2989.110	3165.023
114.0	783.398	1669.529	2494.678	2997.554	3170.183
114.5	800.286	1683.602	2501.714	3005.997	3178.157
115.0	816.704	1692.984	2509.220	3013.972	3184.256
115.5	834.061	1703.305	2515.787	3020.539	3192.699
116.0	849.072	1715.032	2523.293	3030.860	3196.452
116.5	865.960	1724.414	2533.613	3038.365	3207.711
117.0	881.440	1733.327	2544.871	3042.118	3209.118
117.5	898.797	1742.709	2552.846	3047.278	3218.969
118.0	914.277	1753.498	2560.352	3049.155	3226.944
118.5	930.696	1761.473	2565.043	3051.500	3232.104
119.0	947.583	1769.448	2573.956	3053.377	3235.388
119.5	963.064	1778.830	2576.301	3056.660	3242.893
120.0	978.075	1786.336	2582.399	3059.475	3248.992
120.5	993.555	1791.496	2587.090	3061.351	3244.770
121.0	1008.567	1799.001	2592.251	3061.351	3246.646
121.5	1023.109	1805.569	2594.127	3064.635	3246.646
122.0	1038.589	1812.136	2600.225	3064.166	3243.362
122.5	1054.069	1818.703	2602.571	3066.042	3242.893
123.0	1067.673	1823.864	2605.854	3067.919	3241.955
123.5	1081.746	1829.962	2610.545	3066.980	3239.140
124.0	1096.288	1836.060	2613.360	3068.388	3235.388
124.5	1111.300	1840.751	2615.236	3068.388	3235.388
125.0	1126.311	1842.628	2617.113	3068.388	3235.388
125.5	1139.446	1848.257	2618.520	3066.980	3234.919
126.0	1153.519	1853.417	2619.458	3066.511	3233.042
126.5	1167.123	1859.046	2618.989	3065.104	3230.228
127.0	1180.726	1862.330	2620.397	3064.635	3228.351
127.5	1194.800	1865.614	2621.804	3062.759	3220.846
128.0	1206.996	1871.243	2620.397	3057.598	3214.747
128.5	1220.131	1873.119	2620.397	3056.660	3207.242
129.0	1231.389	1875.934	2618.989	3053.846	3199.267
129.5	1244.524	1879.687	2615.706	3051.500	3188.478
130.0	1258.128	1880.156	2616.175	3046.809	3186.132
130.5	1270.794	1882.032	2612.891	3041.649	3179.565
131.0	1282.521	1884.847	2611.015	3039.773	3174.405
131.5	1295.656	1887.192	2607.731	3033.674	3168.775
132.0	1307.384	1887.661	2604.916	3029.452	3163.146
132.5	1318.173	1890.007	2600.694	3024.292	3161.270
133.0	1328.493	1893.290	2596.472	3018.663	3150.949
133.5	1339.283	1892.821	2591.781	3013.034	3141.098
134.0	1351.010	1893.290	2586.621	3004.590	3130.778
134.5	1361.330	1895.167	2581.461	2997.084	3119.989
135.0	1371.181	1893.290	2573.487	2989.579	3111.545
135.5	1383.378	1894.698	2566.919	2979.728	3100.756
136.0	1392.291	1895.636	2560.352	2970.815	3091.374
136.5	1402.142	1896.574	2555.661	2961.902	3085.275
137.0	1412.931	1895.636	2550.031	2950.174	3072.141
137.5	1422.313	1896.105	2543.933	2941.731	3067.450
138.0	1433.103	1895.167	2533.613	2929.534	3054.315
138.5	1443.423	1895.167	2527.046	2917.337	3043.995

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CANDELA TABULATION - (Cont.)

139.0	1452.805	1895.167	2517.664	2905.141	3032.736
139.5	1462.656	1895.636	2508.282	2894.351	3018.194
140.0	1471.100	1895.167	2498.430	2886.846	3008.812
140.5	1480.951	1894.229	2490.925	2872.773	2992.393
141.0	1488.926	1892.821	2483.419	2862.453	2981.135
141.5	1499.715	1893.290	2474.037	2852.601	2967.531
142.0	1508.628	1892.821	2467.001	2837.590	2955.804
142.5	1517.541	1892.352	2459.026	2827.270	2938.447
143.0	1527.392	1893.290	2451.051	2817.419	2925.312
143.5	1536.774	1893.760	2441.200	2805.691	2911.708
144.0	1546.625	1892.821	2432.756	2792.557	2900.919
144.5	1556.007	1892.352	2422.905	2781.298	2881.217
145.0	1564.451	1890.945	2416.338	2766.756	2870.896
145.5	1571.956	1891.414	2408.832	2753.621	2857.762
146.0	1580.400	1891.414	2399.919	2740.955	2840.405
146.5	1590.721	1890.007	2389.599	2728.290	2831.023
147.0	1599.164	1890.945	2379.748	2714.686	2813.197
147.5	1609.015	1889.538	2371.304	2701.551	2799.593
148.0	1616.052	1891.883	2362.860	2687.009	2788.804
148.5	1624.965	1892.821	2354.886	2674.812	2769.571
149.0	1633.409	1891.414	2344.565	2660.739	2760.189
149.5	1642.322	1890.007	2336.122	2647.604	2745.177
150.0	1648.889	1889.538	2326.270	2633.531	2729.697
150.5	1656.395	1890.476	2315.950	2619.927	2711.871
151.0	1663.431	1890.945	2304.692	2603.978	2695.453
151.5	1673.282	1889.538	2295.779	2588.029	2679.972
152.0	1681.257	1890.476	2283.113	2573.487	2661.208
152.5	1688.293	1890.007	2270.917	2556.599	2643.383
153.0	1696.268	1889.069	2262.004	2541.119	2627.433
153.5	1703.774	1890.007	2251.214	2523.293	2608.669
154.0	1709.872	1888.599	2240.894	2505.936	2588.967
154.5	1718.316	1887.192	2231.043	2487.641	2568.796
155.0	1724.883	1889.538	2219.785	2471.692	2549.562
155.5	1729.574	1888.599	2208.995	2453.866	2527.515
156.0	1736.611	1888.599	2197.737	2437.447	2509.689
156.5	1743.178	1889.069	2188.355	2421.029	2485.765
157.0	1748.807	1889.538	2178.973	2404.610	2471.692
157.5	1757.251	1890.476	2166.307	2387.254	2448.237
158.0	1761.942	1891.414	2156.456	2372.242	2430.880
158.5	1767.571	1893.290	2146.605	2355.355	2409.770
159.0	1773.670	1893.290	2136.754	2337.529	2391.006
159.5	1776.484	1892.821	2125.964	2319.703	2372.242
160.0	1784.459	1893.760	2117.990	2302.815	2354.416
160.5	1786.805	1893.290	2106.731	2285.459	2333.776
161.0	1791.965	1893.760	2097.818	2269.040	2316.888
161.5	1797.125	1893.760	2087.967	2251.683	2296.717
162.0	1801.347	1895.167	2076.709	2234.327	2282.644
162.5	1805.569	1894.698	2069.203	2218.377	2262.004
163.0	1809.321	1895.167	2059.352	2202.897	2248.400
163.5	1813.074	1896.574	2053.254	2188.355	2225.883
164.0	1820.580	1896.105	2043.403	2172.405	2210.403
164.5	1820.111	1895.167	2035.428	2160.209	2193.046
165.0	1826.678	1896.105	2027.453	2144.728	2177.096
165.5	1828.085	1896.574	2019.479	2131.125	2160.209
166.0	1834.184	1896.105	2011.035	2116.582	2146.136
166.5	1837.467	1895.636	2001.653	2104.386	2130.655

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CANDELA TABULATION - (Cont.)

167.0	1840.751	1897.512	1995.554	2089.844	2115.644
167.5	1844.973	1896.105	1988.049	2074.832	2100.164
168.0	1848.726	1896.574	1980.074	2063.574	2085.153
168.5	1852.479	1896.574	1974.914	2049.970	2072.487
169.0	1855.293	1897.512	1968.816	2037.304	2055.599
169.5	1857.639	1897.043	1960.841	2023.700	2041.995
170.0	1859.515	1897.512	1956.150	2012.442	2026.046
170.5	1864.675	1896.105	1950.990	1999.776	2014.318
171.0	1866.083	1898.451	1942.546	1988.987	1999.776
171.5	1868.428	1897.981	1940.201	1976.790	1984.765
172.0	1871.712	1896.574	1935.510	1967.877	1973.038
172.5	1874.057	1897.512	1930.349	1960.372	1962.248
173.0	1876.403	1895.636	1927.535	1949.583	1951.459
173.5	1878.748	1896.574	1924.251	1942.546	1939.731
174.0	1877.341	1897.512	1919.560	1935.979	1932.695
174.5	1882.501	1896.574	1916.276	1929.411	1925.189
175.0	1883.908	1897.043	1913.931	1923.782	1916.746
175.5	1883.439	1895.636	1910.178	1919.091	1912.055
176.0	1885.316	1894.229	1907.364	1913.931	1905.956
176.5	1887.661	1895.167	1905.018	1907.833	1900.796
177.0	1889.069	1896.105	1902.672	1905.956	1896.574
177.5	1887.192	1893.760	1899.389	1902.672	1892.821
178.0	1889.069	1894.698	1898.451	1898.451	1888.599
178.5	1889.069	1895.167	1897.043	1896.105	1885.316
179.0	1890.945	1894.229	1894.229	1894.229	1882.970
179.5	1889.069	1894.229	1894.229	1893.760	1882.032
180.0	1890.945	1890.945	1890.945	1890.945	1890.945

IES INDOOR REPORT
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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	1.12	N.A.	0.00
10-90	1.12	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	1.12	N.A.	0.00
90-110	2646.96	N.A.	21.70
90-120	4929.37	N.A.	40.40
90-130	7102.36	N.A.	58.20
90-150	10437.65	N.A.	85.50
90-180	12206.75	N.A.	100.00
110-180	9559.79	N.A.	78.30
0-180	12207.87	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	1.12
90-100	669.40
100-110	1977.57
110-120	2282.4
120-130	2172.99
130-140	1875.11
140-150	1460.18
150-160	1010.94
160-170	574.63
170-180	183.53

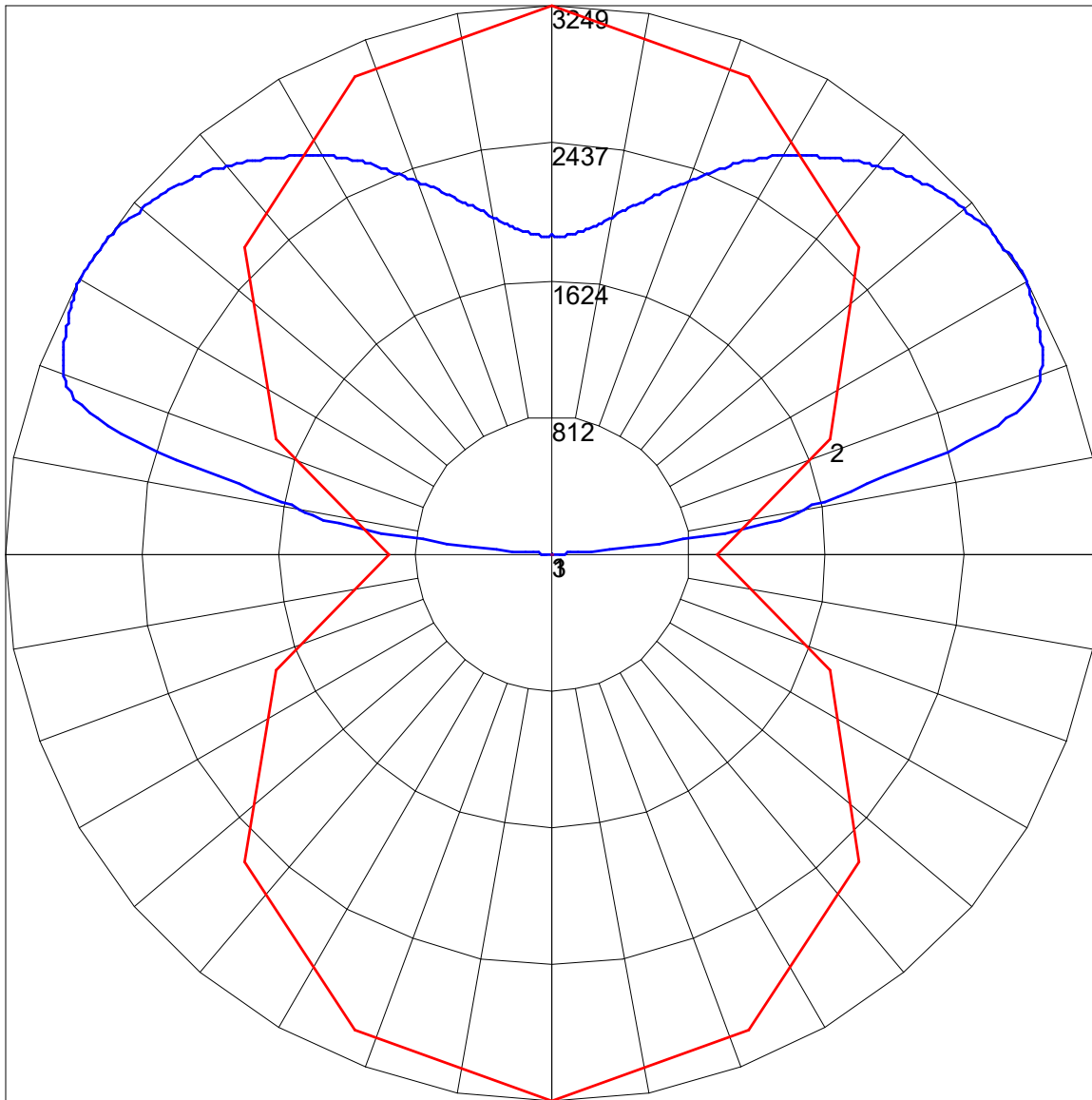
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	189	189	189	189	161	161	161	161	110	110	110	63	63	63	20	20	20	0
1	172	164	157	150	146	140	134	129	96	92	89	55	53	52	18	17	17	0
2	156	143	132	122	133	122	113	106	84	78	74	48	46	43	16	15	14	0
3	142	125	112	101	121	107	97	88	74	67	62	43	39	36	14	13	12	0
4	130	110	96	85	110	95	83	74	65	58	52	38	34	31	12	11	10	0
5	118	98	83	72	101	84	72	63	58	50	44	33	29	26	11	10	9	0
6	109	87	72	62	92	75	63	54	52	44	38	30	26	23	10	8	7	0
7	100	78	63	53	85	67	55	46	46	39	33	27	23	20	9	7	6	0
8	92	70	56	46	78	60	49	40	42	34	29	24	20	17	8	7	6	0
9	85	63	50	41	73	54	43	35	38	30	25	22	18	15	7	6	5	0
10	79	57	44	36	68	50	39	31	34	27	22	20	16	13	7	5	4	0

POLAR GRAPH



Maximum Candela = 3248.992 Located At Horizontal Angle = 90, Vertical Angle = 120
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (120) (Through Max. Cd.)
3 - Horizontal Cone Through Vertical Angle (0)