

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L85-850-HE-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM 4792061012.01  
[TESTLAB] UL, LLC  
[ISSUE DATE] 2025-12-23  
[TEST DATE] 12/12/2025  
[MANUFAC] WILLIAMS INDOOR  
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.  
[LUMCAT] 75W-4-L85-850-HE-DIM-UNV  
[LUMINAIRE] 75W WIDE LENS LED STRIP LUMINAIRE  
[LAMP] LED  
[BALLAST] 0-10V DIMMING DRIVER

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8578
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	180
Total Luminaire Watts	47.6
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.30
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.71 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.08 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	18821	16858	16692
55	16297	14432	14654
65	13700	12361	13060
75	10987	10798	12207
85	8059	10622	12897

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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	2776.087	2776.087	2776.087	2776.087	2776.087
0.5	2762.921	2773.454	2775.209	2774.331	2792.762
1.0	2762.921	2774.331	2774.331	2773.454	2791.885
1.5	2760.288	2774.331	2773.454	2772.576	2792.762
2.0	2759.411	2771.698	2773.454	2771.698	2790.129
2.5	2759.411	2771.698	2770.821	2770.821	2788.374
3.0	2756.778	2769.065	2769.065	2769.065	2786.619
3.5	2755.022	2766.432	2766.432	2767.310	2784.863
4.0	2753.267	2764.677	2764.677	2763.799	2783.108
4.5	2748.879	2762.044	2762.921	2762.044	2780.475
5.0	2746.246	2759.411	2759.411	2759.411	2777.842
5.5	2742.735	2755.900	2755.900	2756.778	2774.331
6.0	2740.980	2751.512	2752.389	2752.389	2770.821
6.5	2734.836	2748.001	2748.879	2748.879	2766.432
7.0	2731.325	2743.613	2744.490	2743.613	2762.921
7.5	2727.814	2738.347	2740.102	2740.102	2758.533
8.0	2723.426	2734.836	2734.836	2734.836	2752.389
8.5	2719.038	2728.692	2730.447	2730.447	2747.123
9.0	2712.016	2724.304	2725.181	2724.304	2740.980
9.5	2707.628	2718.160	2718.160	2718.160	2737.469
10.0	2700.607	2711.139	2711.139	2712.894	2730.447
10.5	2694.463	2704.995	2705.873	2705.873	2724.304
11.0	2688.319	2698.851	2699.729	2698.851	2717.282
11.5	2680.420	2691.830	2693.585	2691.830	2711.139
12.0	2673.399	2683.931	2685.686	2685.686	2703.240
12.5	2666.377	2676.032	2678.665	2676.909	2696.218
13.0	2658.478	2669.010	2670.766	2669.888	2688.319
13.5	2650.579	2660.233	2661.989	2661.989	2681.298
14.0	2640.925	2651.457	2653.212	2653.212	2671.643
14.5	2633.026	2642.680	2644.435	2644.435	2664.622
15.0	2625.126	2633.903	2634.781	2634.781	2654.090
15.5	2615.472	2623.371	2626.004	2626.004	2643.558
16.0	2604.940	2613.717	2616.350	2616.350	2634.781
16.5	2596.163	2603.185	2605.818	2606.695	2625.126
17.0	2583.876	2591.775	2595.285	2596.163	2614.594
17.5	2573.344	2581.243	2584.753	2585.631	2604.062
18.0	2563.689	2570.711	2573.344	2575.977	2594.408
18.5	2552.279	2560.178	2562.812	2564.567	2582.998
19.0	2540.870	2547.013	2551.402	2553.157	2570.711
19.5	2527.705	2536.481	2539.992	2543.503	2559.301
20.0	2513.662	2523.316	2527.705	2530.338	2547.013
20.5	2499.619	2511.906	2515.417	2518.928	2535.604
21.0	2488.209	2497.864	2500.497	2507.518	2523.316
21.5	2475.044	2484.698	2489.087	2492.597	2510.151
22.0	2461.001	2472.411	2476.799	2480.310	2498.741
22.5	2448.714	2456.613	2462.757	2468.023	2485.576
23.0	2433.793	2442.570	2448.714	2453.980	2471.533
23.5	2417.995	2427.650	2435.549	2440.815	2458.368
24.0	2402.197	2412.729	2420.628	2426.772	2444.325
24.5	2389.032	2397.809	2406.585	2411.851	2428.527
25.0	2374.111	2382.888	2392.543	2397.809	2414.484
25.5	2357.436	2367.968	2375.867	2383.766	2397.809
26.0	2341.637	2351.292	2361.824	2368.845	2384.643
26.5	2324.962	2334.616	2346.903	2353.047	2369.723

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**CANDELA TABULATION - (Cont.)**

27.0	2308.286	2317.062	2331.983	2339.882	2354.802
27.5	2288.977	2300.387	2315.307	2322.329	2339.882
28.0	2274.934	2283.711	2298.631	2306.530	2323.206
28.5	2256.503	2267.035	2281.955	2289.855	2306.530
29.0	2238.949	2249.481	2264.402	2274.056	2290.732
29.5	2220.518	2231.050	2246.848	2256.503	2273.179
30.0	2202.087	2213.497	2229.295	2241.582	2258.258
30.5	2182.778	2194.188	2212.619	2224.907	2240.705
31.0	2164.347	2175.757	2194.188	2207.353	2222.274
31.5	2145.038	2158.203	2176.634	2190.677	2206.475
32.0	2126.607	2138.017	2159.081	2172.246	2188.044
32.5	2106.420	2118.708	2140.650	2154.693	2170.491
33.0	2087.112	2100.277	2120.463	2137.139	2152.937
33.5	2068.680	2080.968	2102.910	2117.830	2134.506
34.0	2046.739	2060.781	2083.601	2100.277	2117.830
34.5	2026.552	2041.472	2065.170	2080.968	2098.521
35.0	2008.121	2020.408	2046.739	2063.414	2080.090
35.5	1984.424	2001.099	2026.552	2044.105	2060.781
36.0	1965.992	1980.035	2007.243	2024.797	2042.350
36.5	1943.173	1958.971	1987.057	2006.365	2024.797
37.0	1922.109	1938.784	1966.870	1986.179	2006.365
37.5	1900.167	1916.843	1947.561	1968.625	1986.179
38.0	1878.225	1895.778	1926.497	1948.439	1965.115
38.5	1855.405	1873.837	1906.310	1930.008	1945.806
39.0	1835.219	1851.895	1885.246	1909.821	1930.008
39.5	1812.399	1831.708	1865.060	1889.635	1908.944
40.0	1787.824	1808.889	1843.996	1871.203	1888.757
40.5	1765.005	1786.947	1823.809	1851.895	1869.448
41.0	1743.941	1765.005	1802.745	1831.708	1849.262
41.5	1721.121	1743.063	1781.681	1811.522	1829.953
42.0	1698.301	1721.121	1760.616	1792.213	1810.644
42.5	1676.360	1698.301	1738.675	1772.026	1790.457
43.0	1651.785	1676.360	1718.488	1752.717	1771.149
43.5	1630.720	1653.540	1696.546	1732.531	1751.840
44.0	1607.023	1630.720	1674.604	1713.222	1731.653
44.5	1585.081	1608.779	1652.662	1692.158	1711.467
45.0	1562.262	1585.959	1631.598	1673.727	1693.035
45.5	1539.442	1564.017	1610.534	1654.418	1673.727
46.0	1516.623	1541.198	1587.714	1633.354	1653.540
46.5	1493.803	1518.378	1568.406	1615.800	1634.231
47.0	1470.106	1496.436	1546.464	1594.736	1614.922
47.5	1447.286	1473.617	1524.522	1574.549	1594.736
48.0	1425.344	1450.797	1502.580	1556.118	1574.549
48.5	1400.770	1428.855	1482.393	1535.054	1555.240
49.0	1378.828	1405.158	1459.574	1514.867	1535.054
49.5	1356.008	1383.216	1438.510	1495.558	1515.745
50.0	1332.311	1360.397	1417.445	1474.494	1495.558
50.5	1310.369	1338.455	1395.504	1456.941	1477.127
51.0	1287.549	1315.635	1376.195	1436.754	1457.818
51.5	1265.608	1292.816	1354.253	1417.445	1438.510
52.0	1241.910	1270.874	1333.189	1397.259	1419.201
52.5	1219.091	1248.054	1313.002	1377.072	1400.770
53.0	1195.394	1226.112	1291.938	1359.519	1380.583
53.5	1172.574	1204.170	1271.751	1339.332	1362.152
54.0	1150.632	1182.228	1251.565	1320.023	1343.721
54.5	1129.568	1159.409	1231.378	1302.470	1325.290

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**CANDELA TABULATION - (Cont.)**

55.0	1107.626	1138.345	1211.192	1282.283	1308.614
55.5	1089.195	1116.403	1191.005	1263.852	1288.427
56.0	1068.131	1097.094	1171.696	1245.421	1269.996
56.5	1046.189	1076.907	1151.510	1226.990	1252.442
57.0	1025.125	1056.721	1132.201	1208.559	1234.011
57.5	1003.183	1035.657	1115.525	1191.005	1213.825
58.0	981.241	1014.593	1096.216	1171.696	1198.904
58.5	960.177	993.528	1076.907	1155.021	1181.351
59.0	939.112	972.464	1058.476	1140.100	1162.920
59.5	918.048	952.278	1041.800	1121.669	1148.877
60.0	896.984	931.213	1023.369	1104.115	1131.323
60.5	876.359	911.027	1004.938	1087.440	1113.770
61.0	855.646	890.840	986.507	1070.764	1097.094
61.5	835.108	870.829	968.076	1054.088	1081.296
62.0	814.921	850.994	950.522	1038.290	1064.620
62.5	794.998	831.334	932.091	1022.492	1048.822
63.0	774.812	811.762	914.538	1005.816	1034.779
63.5	754.801	792.453	897.862	990.018	1018.981
64.0	735.316	773.407	880.308	973.342	1003.183
64.5	715.920	754.801	863.632	957.544	987.385
65.0	696.699	736.106	846.869	941.745	972.464
65.5	677.741	717.851	830.281	925.947	956.666
66.0	658.520	699.595	813.868	910.149	941.745
66.5	639.737	681.778	797.543	895.229	926.825
67.0	621.394	664.137	781.306	879.431	911.905
67.5	602.963	646.759	765.421	864.686	896.984
68.0	584.795	629.820	749.622	849.765	882.941
68.5	566.890	612.968	734.175	835.283	868.284
69.0	549.074	596.293	718.904	820.714	854.417
69.5	531.520	579.968	703.808	806.583	840.637
70.0	514.054	563.906	688.975	792.716	826.946
70.5	497.027	548.020	674.142	778.849	813.429
71.0	480.176	532.310	659.573	765.157	800.089
71.5	463.500	516.951	645.355	751.817	786.924
72.0	447.176	501.504	631.136	738.564	774.110
72.5	430.763	486.583	617.269	725.574	761.383
73.0	414.789	471.750	603.489	712.760	748.569
73.5	399.254	457.093	590.149	700.034	736.106
74.0	383.895	442.875	576.633	687.746	723.555
74.5	368.799	428.569	563.731	675.547	711.707
75.0	353.791	414.614	550.917	663.610	700.209
75.5	339.046	401.010	538.278	651.762	688.536
76.0	324.740	387.669	525.991	640.001	677.126
76.5	310.521	374.504	513.791	628.503	665.717
77.0	296.479	361.427	501.767	617.093	654.658
77.5	282.699	348.700	489.918	606.035	643.687
78.0	269.095	336.237	478.421	595.152	632.892
78.5	255.755	323.950	467.011	584.181	622.184
79.0	242.677	312.014	455.952	573.561	611.652
79.5	229.688	300.165	445.069	563.204	601.120
80.0	216.874	288.492	434.186	552.935	591.114
80.5	204.411	277.170	423.654	542.579	580.933
81.0	192.299	266.023	413.561	532.573	571.015
81.5	180.011	255.140	403.467	522.656	561.098
82.0	168.163	244.520	393.637	513.089	551.531
82.5	156.577	234.076	383.983	503.522	542.140

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**CANDELA TABULATION - (Cont.)**

83.0	145.167	223.895	374.504	494.307	533.012
83.5	133.845	213.977	365.464	484.916	523.533
84.0	122.787	204.323	356.687	476.051	514.493
84.5	111.816	195.019	348.086	467.274	505.629
85.0	101.284	185.979	339.660	458.585	496.764
85.5	90.752	177.378	331.410	450.160	488.163
86.0	80.395	169.128	323.336	441.909	479.649
86.5	70.126	161.404	315.700	433.659	471.136
87.0	60.033	153.944	307.976	425.848	462.798
87.5	49.940	147.011	300.692	417.949	454.811
88.0	39.934	140.252	293.495	410.313	446.737
88.5	29.841	133.933	286.561	402.765	438.925
89.0	20.625	127.965	279.978	395.480	431.202
89.5	13.077	122.436	273.571	388.459	423.654
90.0	7.811	117.521	267.691	381.789	416.720
90.5	5.529	113.220	262.249	375.118	409.348
91.0	5.880	109.271	256.720	368.360	402.326
91.5	7.021	105.497	251.191	361.953	395.305
92.0	8.338	102.337	245.925	355.458	388.459
92.5	9.742	99.616	241.448	349.227	381.701
93.0	11.146	97.246	236.797	343.347	375.206
93.5	12.639	95.403	232.408	337.554	369.062
94.0	14.218	93.823	228.283	332.112	363.094
94.5	15.710	92.682	224.422	326.583	356.950
95.0	17.202	91.805	220.823	321.141	351.070
95.5	18.607	91.190	217.488	315.963	345.277
96.0	19.748	90.927	214.592	310.960	339.573
96.5	20.889	90.927	211.695	306.309	334.306
97.0	21.942	91.015	209.062	301.832	329.040
97.5	23.083	91.366	206.605	297.532	324.213
98.0	24.048	91.717	204.411	293.319	319.298
98.5	25.189	92.156	202.567	289.282	314.734
99.0	26.330	92.682	200.637	285.508	310.258
99.5	27.559	93.297	198.969	281.909	305.870
100.0	28.612	93.911	197.652	278.574	301.920
100.5	29.841	94.613	196.336	275.327	297.883
101.0	30.894	95.316	195.370	272.255	294.284
101.5	31.947	96.018	194.405	269.359	290.598
102.0	32.913	96.720	193.703	266.638	287.351
102.5	33.878	97.422	193.001	264.092	284.103
103.0	34.844	98.212	192.474	261.547	281.207
103.5	35.897	99.002	192.035	259.353	278.223
104.0	37.038	99.704	191.596	257.334	275.502
104.5	38.179	100.494	191.333	255.403	272.957
105.0	39.232	101.284	191.070	253.648	270.499
105.5	40.198	101.986	190.807	251.805	268.393
106.0	41.339	102.864	190.719	250.225	266.287
106.5	42.392	103.653	190.719	248.733	264.180
107.0	43.445	104.531	190.719	247.329	262.425
107.5	44.410	105.233	190.719	246.276	260.582
108.0	45.639	106.111	190.719	245.047	258.739
108.5	46.780	106.989	190.807	244.169	257.510
109.0	47.921	107.691	190.982	243.028	256.281
109.5	49.150	108.481	191.070	242.238	254.965
110.0	50.379	109.271	191.245	241.361	253.911
110.5	51.607	110.060	191.421	240.571	252.946

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**CANDELA TABULATION - (Cont.)**

111.0	52.836	110.850	191.509	239.869	251.893
111.5	54.065	111.553	191.596	239.342	251.015
112.0	55.381	112.342	191.772	238.815	249.962
112.5	56.698	113.132	191.948	238.201	248.996
113.0	58.102	113.922	192.211	237.762	248.558
113.5	59.419	114.624	192.211	237.323	247.943
114.0	60.823	115.327	192.386	236.972	247.329
114.5	62.139	116.116	192.562	236.533	246.802
115.0	63.544	116.731	192.737	236.270	246.363
115.5	64.948	117.521	192.737	236.007	245.925
116.0	66.264	118.223	193.001	235.656	245.398
116.5	67.493	118.925	193.176	235.305	245.222
117.0	68.898	119.715	193.352	235.305	244.784
117.5	70.214	120.329	193.527	234.954	244.520
118.0	71.355	120.944	193.703	234.778	244.169
118.5	72.672	121.558	193.791	234.515	244.081
119.0	73.812	122.172	193.966	234.252	243.555
119.5	75.041	122.611	194.142	233.988	243.467
120.0	76.182	123.050	194.054	233.813	243.028
120.5	77.323	123.577	194.142	233.462	242.940
121.0	78.464	123.928	194.317	233.198	242.589
121.5	79.693	124.367	194.230	232.847	242.414
122.0	80.834	124.893	194.230	232.672	242.151
122.5	81.975	125.420	194.317	232.321	241.536
123.0	83.116	125.946	194.230	231.970	241.448
123.5	84.169	126.385	194.054	231.706	240.922
124.0	85.047	126.736	194.054	231.443	240.834
124.5	85.924	127.087	194.054	231.004	240.483
125.0	86.802	127.526	193.878	230.565	240.132
125.5	87.680	127.790	193.703	230.302	239.693
126.0	88.470	128.141	193.615	229.775	239.342
126.5	89.172	128.579	193.440	229.424	239.079
127.0	89.962	128.755	193.264	228.985	238.728
127.5	90.576	129.018	193.001	228.547	238.113
128.0	91.366	129.018	192.913	228.020	237.762
128.5	91.980	129.194	192.562	227.581	237.411
129.0	92.595	129.369	192.211	227.142	236.972
129.5	93.121	129.633	191.596	226.440	236.446
130.0	93.560	129.808	190.982	226.001	235.919
130.5	93.999	129.984	190.280	225.475	235.305
131.0	94.262	130.247	189.578	224.685	234.690
131.5	94.613	130.510	188.876	223.983	234.076
132.0	94.964	130.774	188.086	223.544	233.549
132.5	95.140	130.861	187.208	222.666	232.759
133.0	95.403	130.949	186.857	221.876	231.794
133.5	95.491	130.861	186.330	221.262	231.355
134.0	95.579	130.686	185.979	220.560	230.741
134.5	95.842	130.335	185.541	219.770	229.600
135.0	96.105	130.071	185.014	218.717	228.722
135.5	96.018	129.369	184.575	218.015	228.020
136.0	96.193	129.282	183.961	217.137	227.142
136.5	96.369	129.018	183.522	216.171	226.265
137.0	96.457	128.579	182.820	215.381	225.299
137.5	96.544	128.141	182.205	214.328	224.422
138.0	96.720	127.877	181.328	213.451	223.368
138.5	96.720	127.526	180.187	212.485	222.578

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L85-850-HE-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

139.0	96.632	127.263	178.870	211.344	221.350
139.5	96.632	126.912	177.290	210.115	220.472
140.0	96.632	126.473	175.535	208.974	219.243
140.5	96.632	126.210	173.955	207.570	217.927
141.0	96.632	126.034	172.200	206.078	216.874
141.5	96.632	125.683	170.445	204.762	215.820
142.0	96.544	125.508	168.777	203.094	214.679
142.5	96.457	125.244	167.022	201.602	213.363
143.0	96.369	124.981	165.354	200.198	212.046
143.5	96.369	124.630	163.423	198.706	210.818
144.0	96.369	124.191	161.756	197.565	209.413
144.5	96.632	123.840	160.088	196.248	208.185
145.0	96.983	123.489	158.245	195.107	206.780
145.5	97.597	123.050	156.577	193.966	205.376
146.0	98.387	122.699	154.997	192.737	204.059
146.5	99.177	122.348	153.681	191.421	202.567
147.0	99.967	121.909	152.189	190.104	201.075
147.5	100.669	121.734	151.048	188.788	199.583
148.0	101.459	121.382	149.819	187.296	198.004
148.5	102.161	121.295	148.854	185.892	196.424
149.0	103.039	121.295	147.800	184.487	195.019
149.5	103.653	121.558	146.835	182.995	193.264
150.0	104.356	121.734	145.870	181.591	191.421
150.5	104.970	121.821	144.816	180.011	189.490
151.0	105.409	122.085	143.412	178.431	187.208
151.5	105.848	122.172	141.920	176.764	185.102
152.0	106.374	122.348	140.516	175.008	182.995
152.5	106.901	122.523	139.199	173.165	180.713
153.0	107.252	122.611	137.795	171.059	178.870
153.5	107.691	122.875	136.303	168.865	176.764
154.0	108.042	122.787	134.986	166.407	175.008
154.5	108.481	122.875	133.845	164.037	173.253
155.0	108.656	123.050	132.704	161.317	171.937
155.5	109.007	123.138	131.564	158.771	170.532
156.0	109.271	123.138	130.774	156.051	169.304
156.5	109.709	123.138	129.984	153.330	167.724
157.0	109.885	123.313	129.194	150.872	166.232
157.5	110.148	123.313	128.667	148.503	164.564
158.0	110.499	123.226	128.404	146.045	162.984
158.5	110.587	123.226	128.053	144.026	161.141
159.0	111.026	122.962	127.790	142.096	159.561
159.5	111.377	122.787	127.351	140.252	157.806
160.0	111.816	122.611	126.912	138.760	156.051
160.5	112.342	122.523	126.561	137.356	154.383
161.0	112.693	122.260	126.473	135.864	152.715
161.5	113.220	122.172	126.297	134.372	151.487
162.0	113.659	121.997	126.561	133.143	150.434
162.5	114.098	121.997	126.736	131.827	149.205
163.0	114.624	121.909	126.824	130.423	148.152
163.5	115.063	121.909	127.000	128.930	146.835
164.0	115.239	121.909	127.175	127.087	145.606
164.5	115.502	121.734	127.000	125.683	144.026
165.0	115.765	121.734	126.736	124.279	142.447
165.5	116.029	121.646	126.473	123.313	140.779
166.0	116.292	121.558	126.297	122.260	138.234
166.5	116.555	121.558	126.034	121.382	137.005

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L85-850-HE-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

167.0	116.906	121.558	125.771	120.593	136.040
167.5	117.082	121.558	125.244	119.890	135.074
168.0	117.345	121.558	124.805	119.188	134.284
168.5	117.872	121.207	124.191	118.574	133.319
169.0	118.135	121.295	123.752	117.960	132.353
169.5	118.574	121.031	123.050	117.257	131.300
170.0	118.749	120.944	122.436	116.380	130.335
170.5	119.013	120.768	121.646	115.414	129.282
171.0	119.188	120.593	120.768	114.361	127.965
171.5	119.452	120.593	119.978	113.396	126.912
172.0	119.890	120.417	119.539	112.430	125.332
172.5	120.154	120.417	119.013	111.377	123.577
173.0	120.505	120.241	118.574	110.412	120.593
173.5	120.944	120.329	118.398	109.446	116.116
174.0	121.295	120.329	118.311	108.656	110.587
174.5	121.558	120.329	118.135	107.866	104.005
175.0	122.085	120.593	118.047	107.252	96.544
175.5	122.260	120.680	117.960	106.989	88.733
176.0	122.611	120.856	117.960	106.725	83.642
176.5	122.699	120.944	117.872	106.725	80.044
177.0	123.050	121.119	117.696	106.462	76.358
177.5	123.138	121.119	117.433	106.374	75.568
178.0	123.489	121.295	117.345	106.286	75.743
178.5	123.664	121.382	117.433	106.111	75.919
179.0	123.840	121.382	117.345	105.848	76.007
179.5	124.016	121.382	117.257	105.760	76.094
180.0	111.201	111.201	111.201	111.201	111.201



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L85-850-HE-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1004.83	N.A.	11.70
0-30	2105.45	N.A.	24.50
0-40	3382.12	N.A.	39.40
0-60	5723.8	N.A.	66.70
0-80	7130.83	N.A.	83.10
0-90	7484.7	N.A.	87.30
10-90	7222.73	N.A.	84.20
20-40	2377.29	N.A.	27.70
20-50	3634.49	N.A.	42.40
40-70	3175.82	N.A.	37.00
60-80	1407.03	N.A.	16.40
70-80	572.89	N.A.	6.70
80-90	353.87	N.A.	4.10
90-110	413.32	N.A.	4.80
90-120	587.32	N.A.	6.80
90-130	747.46	N.A.	8.70
90-150	981.28	N.A.	11.40
90-180	1093.06	N.A.	12.70
110-180	679.74	N.A.	7.90
0-180	8577.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	261.96
10-20	742.87
20-30	1100.63
30-40	1276.67
40-50	1257.2
50-60	1084.48
60-70	834.14
70-80	572.89
80-90	353.87
90-100	226.72
100-110	186.59
110-120	174.00
120-130	160.14
130-140	134.57
140-150	99.24
150-160	64.89
160-170	35.75
170-180	11.14

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L85-850-HE-DIM-UNV\_.IES**

**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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	90	90	90	87
1	105	100	95	91	101	96	92	89	90	86	83	84	81	79	78	76	74	71
2	95	87	80	74	92	84	78	72	78	73	69	73	69	65	68	65	62	59
3	87	76	68	62	83	74	66	60	69	63	58	65	60	55	61	56	53	50
4	80	68	59	52	76	66	58	51	62	55	49	58	52	47	54	49	45	43
5	73	61	52	45	70	59	51	44	55	48	43	52	46	41	49	44	40	37
6	68	55	46	40	65	53	45	39	50	43	38	47	41	36	44	39	35	33
7	63	50	41	35	60	48	40	34	46	38	33	43	37	32	41	35	31	29
8	59	45	37	31	56	44	36	31	42	35	30	40	33	29	37	32	28	26
9	55	42	34	28	53	41	33	28	38	32	27	36	30	26	35	29	25	23
10	51	38	31	25	49	37	30	25	36	29	24	34	28	24	32	27	23	21

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L85-850-HE-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size      UGR Viewed Crosswise

X=2H	Y=2H	19.3	20.7	19.9	21.2	21.8	21.0	22.3	21.5	22.9	23.5
	3H	20.7	21.9	21.2	22.5	23.1	23.2	24.4	23.7	25.0	25.6
	4H	21.1	22.3	21.7	22.9	23.5	24.2	25.4	24.8	26.0	26.7
	6H	21.4	22.5	22.0	23.1	23.8	25.4	26.4	26.0	27.0	27.7
	8H	21.5	22.5	22.1	23.1	23.8	25.9	27.0	26.6	27.6	28.3
	12H	21.5	22.5	22.1	23.1	23.8	26.6	27.6	27.2	28.2	28.9

UGR Viewed Endwise

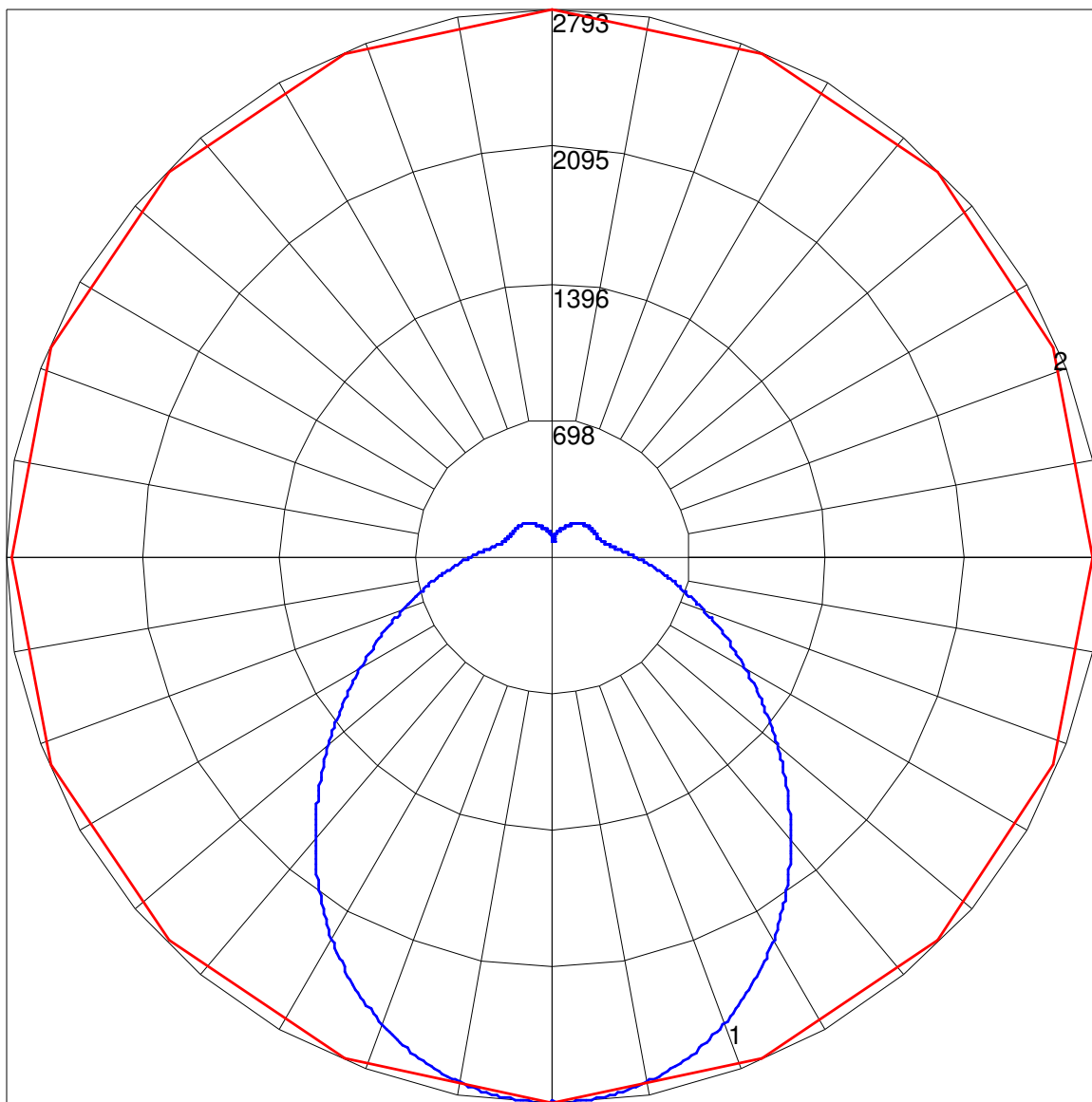
4H	2H	20.0	21.2	20.6	21.8	22.5	21.4	22.5	22.0	23.1	23.8
	3H	21.6	22.6	22.2	23.2	23.9	23.8	24.8	24.4	25.4	26.1
	4H	22.2	23.1	22.8	23.7	24.5	25.1	25.9	25.7	26.6	27.3
	6H	22.6	23.4	23.3	24.1	24.8	26.4	27.2	27.0	27.8	28.6
	8H	22.7	23.5	23.4	24.1	24.9	27.1	27.8	27.7	28.5	29.2
	12H	22.8	23.5	23.5	24.2	24.9	27.9	28.5	28.5	29.2	30.0

8H	4H	22.8	23.5	23.4	24.2	24.9	25.2	26.0	25.9	26.6	27.4
	6H	23.4	24.0	24.0	24.7	25.4	26.8	27.4	27.4	28.1	28.8
	8H	23.6	24.1	24.2	24.8	25.6	27.6	28.2	28.3	28.9	29.6
	12H	23.7	24.2	24.4	24.9	25.7	28.6	29.1	29.3	29.8	30.6

12H	4H	22.9	23.6	23.6	24.3	25.0	25.3	25.9	25.9	26.6	27.4
	6H	23.6	24.2	24.3	24.9	25.7	26.8	27.4	27.5	28.0	28.8
	8H	23.9	24.4	24.6	25.1	25.9	27.7	28.2	28.4	28.9	29.7

Maximum UGR = 30.6

POLAR GRAPH



Maximum Candela = 2792.762 Located At Horizontal Angle = 90, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)