

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L85-840-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-L85-840-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	8335
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	175
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	18288	16381	16220
55	15836	14024	14239
65	13312	12011	12690
75	10676	10492	11861
85	7831	10321	12532

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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	2697.518	2697.518	2697.518	2697.518	2697.518
0.5	2684.726	2694.960	2696.666	2695.813	2713.722
1.0	2684.726	2695.813	2695.813	2694.960	2712.869
1.5	2682.167	2695.813	2694.960	2694.107	2713.722
2.0	2681.315	2693.254	2694.960	2693.254	2711.164
2.5	2681.315	2693.254	2692.401	2692.401	2709.458
3.0	2678.756	2690.696	2690.696	2690.696	2707.752
3.5	2677.050	2688.137	2688.137	2688.990	2706.047
4.0	2675.345	2686.432	2686.432	2685.579	2704.341
4.5	2671.081	2683.873	2684.726	2683.873	2701.783
5.0	2668.522	2681.315	2681.315	2681.315	2699.224
5.5	2665.111	2677.903	2677.903	2678.756	2695.813
6.0	2663.405	2673.639	2674.492	2674.492	2692.401
6.5	2657.435	2670.228	2671.081	2671.081	2688.137
7.0	2654.024	2665.964	2666.816	2665.964	2684.726
7.5	2650.612	2660.847	2662.552	2662.552	2680.462
8.0	2646.348	2657.435	2657.435	2657.435	2674.492
8.5	2642.084	2651.465	2653.171	2653.171	2669.375
9.0	2635.261	2647.201	2648.054	2647.201	2663.405
9.5	2630.997	2641.231	2641.231	2641.231	2659.994
10.0	2624.175	2634.409	2634.409	2636.114	2653.171
10.5	2618.205	2628.439	2629.292	2629.292	2647.201
11.0	2612.235	2622.469	2623.322	2622.469	2640.378
11.5	2604.559	2615.646	2617.352	2615.646	2634.409
12.0	2597.737	2607.971	2609.676	2609.676	2626.733
12.5	2590.914	2600.295	2602.854	2601.148	2619.910
13.0	2583.238	2593.473	2595.178	2594.325	2612.235
13.5	2575.563	2584.944	2586.650	2586.650	2605.412
14.0	2566.182	2576.416	2578.121	2578.121	2596.031
14.5	2558.506	2567.887	2569.593	2569.593	2589.208
15.0	2550.831	2559.359	2560.212	2560.212	2578.974
15.5	2541.450	2549.125	2551.684	2551.684	2568.740
16.0	2531.216	2539.744	2542.302	2542.302	2560.212
16.5	2522.687	2529.510	2532.068	2532.921	2550.831
17.0	2510.747	2518.423	2521.834	2522.687	2540.597
17.5	2500.513	2508.189	2511.600	2512.453	2530.363
18.0	2491.132	2497.955	2500.513	2503.072	2520.981
18.5	2480.045	2487.721	2490.279	2491.985	2509.895
19.0	2468.959	2474.928	2479.193	2480.898	2497.955
19.5	2456.166	2464.694	2468.106	2471.517	2486.868
20.0	2442.521	2451.902	2456.166	2458.725	2474.928
20.5	2428.875	2440.815	2444.226	2447.638	2463.842
21.0	2417.788	2427.170	2429.728	2436.551	2451.902
21.5	2404.996	2414.377	2418.641	2422.053	2439.109
22.0	2391.351	2402.437	2406.702	2410.113	2428.022
22.5	2379.411	2387.086	2393.056	2398.173	2415.230
23.0	2364.913	2373.441	2379.411	2384.528	2401.585
23.5	2349.562	2358.943	2366.618	2371.735	2388.792
24.0	2334.211	2344.445	2352.120	2358.090	2375.147
24.5	2321.418	2329.946	2338.475	2343.592	2359.796
25.0	2306.920	2315.448	2324.829	2329.946	2346.150
25.5	2290.716	2300.950	2308.625	2316.301	2329.946
26.0	2275.365	2284.746	2294.980	2301.803	2317.154
26.5	2259.161	2268.542	2280.482	2286.452	2302.656

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**CANDELA TABULATION - (Cont.)**

27.0	2242.957	2251.486	2265.984	2273.659	2288.157
27.5	2224.195	2235.282	2249.780	2256.603	2273.659
28.0	2210.549	2219.078	2233.576	2241.251	2257.455
28.5	2192.640	2202.874	2217.372	2225.048	2241.251
29.0	2175.583	2185.817	2200.315	2209.697	2225.900
29.5	2157.674	2167.908	2183.259	2192.640	2208.844
30.0	2139.764	2150.851	2166.202	2178.142	2194.346
30.5	2121.002	2132.089	2149.998	2161.938	2177.289
31.0	2103.092	2114.179	2132.089	2144.881	2159.379
31.5	2084.330	2097.122	2115.032	2128.677	2144.028
32.0	2066.420	2077.507	2097.975	2110.768	2126.119
32.5	2046.805	2058.745	2080.066	2093.711	2109.062
33.0	2028.043	2040.835	2060.450	2076.654	2092.005
33.5	2010.133	2022.073	2043.394	2057.892	2074.096
34.0	1988.812	2002.458	2024.631	2040.835	2057.892
34.5	1969.197	1983.695	2006.722	2022.073	2039.129
35.0	1951.287	1963.227	1988.812	2005.016	2021.220
35.5	1928.261	1944.465	1969.197	1986.254	2002.458
36.0	1910.351	1923.997	1950.435	1967.491	1984.548
36.5	1888.178	1903.529	1930.819	1949.582	1967.491
37.0	1867.710	1883.913	1911.204	1929.967	1949.582
37.5	1846.389	1862.593	1892.442	1912.910	1929.967
38.0	1825.068	1842.125	1871.974	1893.295	1909.498
38.5	1802.894	1820.804	1852.359	1875.385	1890.736
39.0	1783.279	1799.483	1831.890	1855.770	1875.385
39.5	1761.105	1779.868	1812.275	1836.155	1854.917
40.0	1737.226	1757.694	1791.807	1818.245	1835.302
40.5	1715.052	1736.373	1772.192	1799.483	1816.539
41.0	1694.584	1715.052	1751.724	1779.868	1796.924
41.5	1672.410	1693.731	1731.256	1760.252	1778.162
42.0	1650.237	1672.410	1710.788	1741.490	1759.399
42.5	1628.916	1650.237	1689.467	1721.875	1739.784
43.0	1605.036	1628.916	1669.852	1703.112	1721.022
43.5	1584.568	1606.742	1648.531	1683.497	1702.259
44.0	1561.542	1584.568	1627.210	1664.735	1682.644
44.5	1540.221	1563.247	1605.889	1644.267	1663.029
45.0	1518.047	1541.074	1585.421	1626.357	1645.120
45.5	1495.873	1519.753	1564.953	1607.595	1626.357
46.0	1473.700	1497.579	1542.779	1587.127	1606.742
46.5	1451.526	1475.405	1524.017	1570.070	1587.980
47.0	1428.499	1454.084	1502.696	1549.602	1569.217
47.5	1406.326	1431.911	1481.375	1529.987	1549.602
48.0	1385.005	1409.737	1460.054	1512.077	1529.987
48.5	1361.125	1388.416	1440.439	1491.609	1511.224
49.0	1339.804	1365.390	1418.265	1471.994	1491.609
49.5	1317.631	1344.069	1397.797	1453.232	1472.847
50.0	1294.604	1321.895	1377.329	1432.764	1453.232
50.5	1273.283	1300.574	1356.008	1415.707	1435.322
51.0	1251.110	1278.400	1337.246	1396.092	1416.560
51.5	1229.789	1256.227	1315.925	1377.329	1397.797
52.0	1206.762	1234.906	1295.457	1357.714	1379.035
52.5	1184.588	1212.732	1275.842	1338.099	1361.125
53.0	1161.562	1191.411	1255.374	1321.042	1341.510
53.5	1139.388	1170.090	1235.759	1301.427	1323.601
54.0	1118.067	1148.769	1216.143	1282.664	1305.691
54.5	1097.599	1126.596	1196.528	1265.608	1287.781

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**CANDELA TABULATION - (Cont.)**

55.0	1076.278	1106.128	1176.913	1245.993	1271.578
55.5	1058.369	1084.807	1157.298	1228.083	1251.962
56.0	1037.901	1066.044	1138.535	1210.173	1234.053
56.5	1016.580	1046.429	1118.920	1192.264	1216.996
57.0	996.112	1026.814	1100.158	1174.354	1199.087
57.5	974.791	1006.346	1083.954	1157.298	1179.471
58.0	953.470	985.878	1065.191	1138.535	1164.973
58.5	933.002	965.410	1046.429	1122.331	1147.916
59.0	912.534	944.942	1028.520	1107.833	1130.007
59.5	892.066	925.326	1012.316	1089.924	1116.362
60.0	871.598	904.858	994.406	1072.867	1099.305
60.5	851.556	885.243	976.497	1056.663	1082.248
61.0	831.429	865.628	958.587	1040.459	1066.044
61.5	811.473	846.183	940.677	1024.255	1050.693
62.0	791.858	826.909	923.621	1008.904	1034.489
62.5	772.498	807.806	905.711	993.553	1019.138
63.0	752.883	788.787	888.655	977.349	1005.493
63.5	733.438	770.025	872.451	961.998	990.142
64.0	714.506	751.519	855.394	945.794	974.791
64.5	695.658	733.438	839.190	930.443	959.440
65.0	676.981	715.273	822.901	915.092	944.942
65.5	658.560	697.534	806.782	899.741	929.591
66.0	639.882	679.795	790.834	884.390	915.092
66.5	621.632	662.483	774.972	869.892	900.594
67.0	603.807	645.341	759.194	854.541	886.096
67.5	585.898	628.454	743.758	840.213	871.598
68.0	568.244	611.995	728.407	825.715	857.952
68.5	550.846	595.620	713.397	811.643	843.710
69.0	533.534	579.416	698.557	797.486	830.235
69.5	516.477	563.554	683.889	783.756	816.846
70.0	499.506	547.947	669.476	770.281	803.542
70.5	482.961	532.510	655.063	756.806	790.408
71.0	466.586	517.245	640.906	743.502	777.445
71.5	450.382	502.320	627.090	730.539	764.652
72.0	434.520	487.310	613.274	717.661	752.201
72.5	418.572	472.812	599.799	705.039	739.835
73.0	403.050	458.399	586.410	692.588	727.383
73.5	387.955	444.157	573.447	680.222	715.273
74.0	373.030	430.341	560.313	668.282	703.078
74.5	358.361	416.440	547.776	656.427	691.564
75.0	343.778	402.879	535.325	644.829	680.392
75.5	329.450	389.661	523.044	633.316	669.049
76.0	315.549	376.697	511.104	621.888	657.963
76.5	301.733	363.905	499.250	610.715	646.876
77.0	288.088	351.198	487.566	599.629	636.130
77.5	274.698	338.832	476.053	588.883	625.469
78.0	261.479	326.721	464.881	578.308	614.980
78.5	248.516	314.782	453.794	567.647	604.575
79.0	235.809	303.183	443.048	557.328	594.341
79.5	223.187	291.670	432.473	547.264	584.107
80.0	210.736	280.327	421.898	537.286	574.385
80.5	198.625	269.325	411.664	527.223	564.492
81.0	186.856	258.494	401.856	517.501	554.855
81.5	174.917	247.919	392.048	507.863	545.218
82.0	163.403	237.600	382.497	498.568	535.922
82.5	152.146	227.451	373.115	489.272	526.796

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**CANDELA TABULATION - (Cont.)**

83.0	141.059	217.558	363.905	480.317	517.927
83.5	130.057	207.921	355.121	471.192	508.716
84.0	119.312	198.540	346.592	462.578	499.932
84.5	108.651	189.500	338.235	454.050	491.318
85.0	98.417	180.716	330.047	445.607	482.705
85.5	88.183	172.358	322.031	437.419	474.347
86.0	78.120	164.341	314.185	429.403	466.075
86.5	68.142	156.836	306.765	421.386	457.802
87.0	58.334	149.587	299.260	413.796	449.700
87.5	48.526	142.850	292.181	406.120	441.939
88.0	38.804	136.283	285.188	398.701	434.093
88.5	28.996	130.143	278.451	391.366	426.503
89.0	20.042	124.343	272.054	384.288	418.998
89.5	12.707	118.971	265.829	377.465	411.664
90.0	7.590	114.195	260.115	370.983	404.926
90.5	5.373	110.016	254.827	364.502	397.762
91.0	5.714	106.178	249.454	357.935	390.940
91.5	6.823	102.511	244.081	351.709	384.117
92.0	8.102	99.441	238.964	345.398	377.465
92.5	9.466	96.797	234.615	339.343	370.898
93.0	10.831	94.494	230.095	333.629	364.587
93.5	12.281	92.703	225.831	328.001	358.617
94.0	13.816	91.168	221.822	322.713	352.818
94.5	15.266	90.059	218.070	317.340	346.848
95.0	16.716	89.207	214.573	312.052	341.134
95.5	18.080	88.610	211.333	307.021	335.505
96.0	19.189	88.354	208.518	302.160	329.962
96.5	20.297	88.354	205.704	297.640	324.845
97.0	21.321	88.439	203.145	293.290	319.728
97.5	22.430	88.780	200.757	289.111	315.037
98.0	23.368	89.121	198.625	285.018	310.262
98.5	24.476	89.548	196.834	281.095	305.827
99.0	25.585	90.059	194.958	277.427	301.477
99.5	26.779	90.656	193.338	273.931	297.213
100.0	27.802	91.253	192.059	270.690	293.375
100.5	28.996	91.936	190.779	267.534	289.452
101.0	30.020	92.618	189.841	264.550	285.956
101.5	31.043	93.300	188.903	261.735	282.374
102.0	31.981	93.982	188.221	259.091	279.218
102.5	32.919	94.665	187.539	256.618	276.063
103.0	33.858	95.432	187.027	254.145	273.248
103.5	34.881	96.200	186.600	252.013	270.349
104.0	35.990	96.882	186.174	250.051	267.705
104.5	37.098	97.650	185.918	248.175	265.232
105.0	38.122	98.417	185.662	246.469	262.844
105.5	39.060	99.099	185.406	244.678	260.797
106.0	40.169	99.952	185.321	243.143	258.750
106.5	41.192	100.720	185.321	241.694	256.703
107.0	42.215	101.573	185.321	240.329	254.998
107.5	43.153	102.255	185.321	239.306	253.207
108.0	44.347	103.108	185.321	238.112	251.416
108.5	45.456	103.961	185.406	237.259	250.222
109.0	46.565	104.643	185.577	236.150	249.028
109.5	47.759	105.410	185.662	235.383	247.749
110.0	48.953	106.178	185.833	234.530	246.725
110.5	50.147	106.946	186.003	233.762	245.787

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**CANDELA TABULATION - (Cont.)**

111.0	51.341	107.713	186.089	233.080	244.764
111.5	52.535	108.395	186.174	232.568	243.911
112.0	53.814	109.163	186.345	232.057	242.888
112.5	55.093	109.930	186.515	231.460	241.949
113.0	56.458	110.698	186.771	231.033	241.523
113.5	57.737	111.380	186.771	230.607	240.926
114.0	59.101	112.063	186.942	230.266	240.329
114.5	60.381	112.830	187.112	229.839	239.817
115.0	61.745	113.427	187.283	229.583	239.391
115.5	63.110	114.195	187.283	229.327	238.964
116.0	64.389	114.877	187.539	228.986	238.453
116.5	65.583	115.559	187.709	228.645	238.282
117.0	66.948	116.327	187.880	228.645	237.856
117.5	68.227	116.924	188.050	228.304	237.600
118.0	69.336	117.521	188.221	228.133	237.259
118.5	70.615	118.118	188.306	227.878	237.174
119.0	71.723	118.715	188.477	227.622	236.662
119.5	72.917	119.141	188.647	227.366	236.577
120.0	74.026	119.568	188.562	227.195	236.150
120.5	75.135	120.079	188.647	226.854	236.065
121.0	76.243	120.420	188.818	226.598	235.724
121.5	77.437	120.847	188.732	226.257	235.553
122.0	78.546	121.358	188.732	226.087	235.297
122.5	79.655	121.870	188.818	225.746	234.700
123.0	80.764	122.382	188.732	225.404	234.615
123.5	81.787	122.808	188.562	225.149	234.103
124.0	82.640	123.149	188.562	224.893	234.018
124.5	83.493	123.491	188.562	224.466	233.677
125.0	84.345	123.917	188.391	224.040	233.336
125.5	85.198	124.173	188.221	223.784	232.909
126.0	85.966	124.514	188.135	223.272	232.568
126.5	86.648	124.940	187.965	222.931	232.312
127.0	87.416	125.111	187.794	222.505	231.971
127.5	88.013	125.367	187.539	222.078	231.374
128.0	88.780	125.367	187.453	221.567	231.033
128.5	89.377	125.537	187.112	221.140	230.692
129.0	89.974	125.708	186.771	220.714	230.266
129.5	90.486	125.964	186.174	220.032	229.754
130.0	90.912	126.134	185.577	219.605	229.242
130.5	91.339	126.305	184.895	219.093	228.645
131.0	91.595	126.561	184.212	218.326	228.048
131.5	91.936	126.817	183.530	217.644	227.451
132.0	92.277	127.072	182.763	217.217	226.940
132.5	92.447	127.158	181.910	216.364	226.172
133.0	92.703	127.243	181.569	215.597	225.234
133.5	92.788	127.158	181.057	215.000	224.807
134.0	92.874	126.987	180.716	214.318	224.210
134.5	93.130	126.646	180.289	213.550	223.102
135.0	93.385	126.390	179.778	212.527	222.249
135.5	93.300	125.708	179.351	211.844	221.567
136.0	93.471	125.623	178.754	210.991	220.714
136.5	93.641	125.367	178.328	210.053	219.861
137.0	93.727	124.940	177.646	209.286	218.923
137.5	93.812	124.514	177.049	208.262	218.070
138.0	93.982	124.258	176.196	207.410	217.047
138.5	93.982	123.917	175.087	206.471	216.279

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L85-840-HE-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

139.0	93.897	123.661	173.808	205.363	215.085
139.5	93.897	123.320	172.273	204.169	214.232
140.0	93.897	122.894	170.567	203.060	213.038
140.5	93.897	122.638	169.032	201.696	211.759
141.0	93.897	122.467	167.326	200.246	210.736
141.5	93.897	122.126	165.621	198.967	209.712
142.0	93.812	121.955	164.000	197.346	208.604
142.5	93.727	121.700	162.295	195.896	207.324
143.0	93.641	121.444	160.674	194.532	206.045
143.5	93.641	121.103	158.798	193.082	204.851
144.0	93.641	120.676	157.178	191.973	203.487
144.5	93.897	120.335	155.557	190.694	202.293
145.0	94.238	119.994	153.766	189.585	200.928
145.5	94.835	119.568	152.146	188.477	199.563
146.0	95.603	119.226	150.611	187.283	198.284
146.5	96.370	118.885	149.331	186.003	196.834
147.0	97.138	118.459	147.882	184.724	195.385
147.5	97.820	118.288	146.773	183.445	193.935
148.0	98.588	117.947	145.579	181.995	192.400
148.5	99.270	117.862	144.641	180.631	190.865
149.0	100.123	117.862	143.617	179.266	189.500
149.5	100.720	118.118	142.679	177.816	187.794
150.0	101.402	118.288	141.741	176.452	186.003
150.5	101.999	118.374	140.718	174.917	184.127
151.0	102.426	118.629	139.353	173.381	181.910
151.5	102.852	118.715	137.903	171.761	179.863
152.0	103.364	118.885	136.539	170.055	177.816
152.5	103.875	119.056	135.260	168.264	175.599
153.0	104.216	119.141	133.895	166.218	173.808
153.5	104.643	119.397	132.445	164.086	171.761
154.0	104.984	119.312	131.166	161.698	170.055
154.5	105.410	119.397	130.057	159.395	168.350
155.0	105.581	119.568	128.949	156.751	167.070
155.5	105.922	119.653	127.840	154.278	165.706
156.0	106.178	119.653	127.072	151.634	164.512
156.5	106.604	119.653	126.305	148.990	162.977
157.0	106.775	119.823	125.537	146.602	161.527
157.5	107.031	119.823	125.026	144.300	159.907
158.0	107.372	119.738	124.770	141.912	158.372
158.5	107.457	119.738	124.429	139.950	156.581
159.0	107.884	119.482	124.173	138.074	155.045
159.5	108.225	119.312	123.746	136.283	153.340
160.0	108.651	119.141	123.320	134.833	151.634
160.5	109.163	119.056	122.979	133.469	150.014
161.0	109.504	118.800	122.894	132.019	148.393
161.5	110.016	118.715	122.723	130.569	147.199
162.0	110.442	118.544	122.979	129.375	146.176
162.5	110.869	118.544	123.149	128.096	144.982
163.0	111.380	118.459	123.235	126.731	143.959
163.5	111.807	118.459	123.405	125.282	142.679
164.0	111.977	118.459	123.576	123.491	141.485
164.5	112.233	118.288	123.405	122.126	139.950
165.0	112.489	118.288	123.149	120.761	138.415
165.5	112.745	118.203	122.894	119.823	136.795
166.0	113.001	118.118	122.723	118.800	134.322
166.5	113.257	118.118	122.467	117.947	133.128

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L85-840-HE-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

<b>167.0</b>	113.598	118.118	122.211	117.180	132.189
<b>167.5</b>	113.768	118.118	121.700	116.497	131.251
<b>168.0</b>	114.024	118.118	121.273	115.815	130.484
<b>168.5</b>	114.536	117.777	120.676	115.218	129.546
<b>169.0</b>	114.792	117.862	120.250	114.621	128.608
<b>169.5</b>	115.218	117.606	119.568	113.939	127.584
<b>170.0</b>	115.389	117.521	118.971	113.086	126.646
<b>170.5</b>	115.644	117.350	118.203	112.148	125.623
<b>171.0</b>	115.815	117.180	117.350	111.124	124.343
<b>171.5</b>	116.071	117.180	116.583	110.186	123.320
<b>172.0</b>	116.497	117.009	116.156	109.248	121.785
<b>172.5</b>	116.753	117.009	115.644	108.225	120.079
<b>173.0</b>	117.094	116.838	115.218	107.287	117.180
<b>173.5</b>	117.521	116.924	115.047	106.349	112.830
<b>174.0</b>	117.862	116.924	114.962	105.581	107.457
<b>174.5</b>	118.118	116.924	114.792	104.813	101.061
<b>175.0</b>	118.629	117.180	114.706	104.216	93.812
<b>175.5</b>	118.800	117.265	114.621	103.961	86.222
<b>176.0</b>	119.141	117.435	114.621	103.705	81.275
<b>176.5</b>	119.226	117.521	114.536	103.705	77.779
<b>177.0</b>	119.568	117.691	114.365	103.449	74.197
<b>177.5</b>	119.653	117.691	114.109	103.364	73.429
<b>178.0</b>	119.994	117.862	114.024	103.278	73.600
<b>178.5</b>	120.165	117.947	114.109	103.108	73.770
<b>179.0</b>	120.335	117.947	114.024	102.852	73.856
<b>179.5</b>	120.506	117.947	113.939	102.767	73.941
<b>180.0</b>	108.054	108.054	108.054	108.054	108.054



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L85-840-HE-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	976.39	N.A.	11.70
0-30	2045.87	N.A.	24.50
0-40	3286.4	N.A.	39.40
0-60	5561.8	N.A.	66.70
0-80	6929.01	N.A.	83.10
0-90	7272.87	N.A.	87.30
10-90	7018.32	N.A.	84.20
20-40	2310.01	N.A.	27.70
20-50	3531.63	N.A.	42.40
40-70	3085.94	N.A.	37.00
60-80	1367.21	N.A.	16.40
70-80	556.68	N.A.	6.70
80-90	343.85	N.A.	4.10
90-110	401.62	N.A.	4.80
90-120	570.70	N.A.	6.80
90-130	726.31	N.A.	8.70
90-150	953.51	N.A.	11.40
90-180	1062.12	N.A.	12.70
110-180	660.50	N.A.	7.90
0-180	8334.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	254.55
10-20	721.84
20-30	1069.48
30-40	1240.53
40-50	1221.62
50-60	1053.78
60-70	810.53
70-80	556.68
80-90	343.85
90-100	220.31
100-110	181.31
110-120	169.08
120-130	155.61
130-140	130.76
140-150	96.44
150-160	63.05
160-170	34.74
170-180	10.82

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L85-840-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-L85-840-HE-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

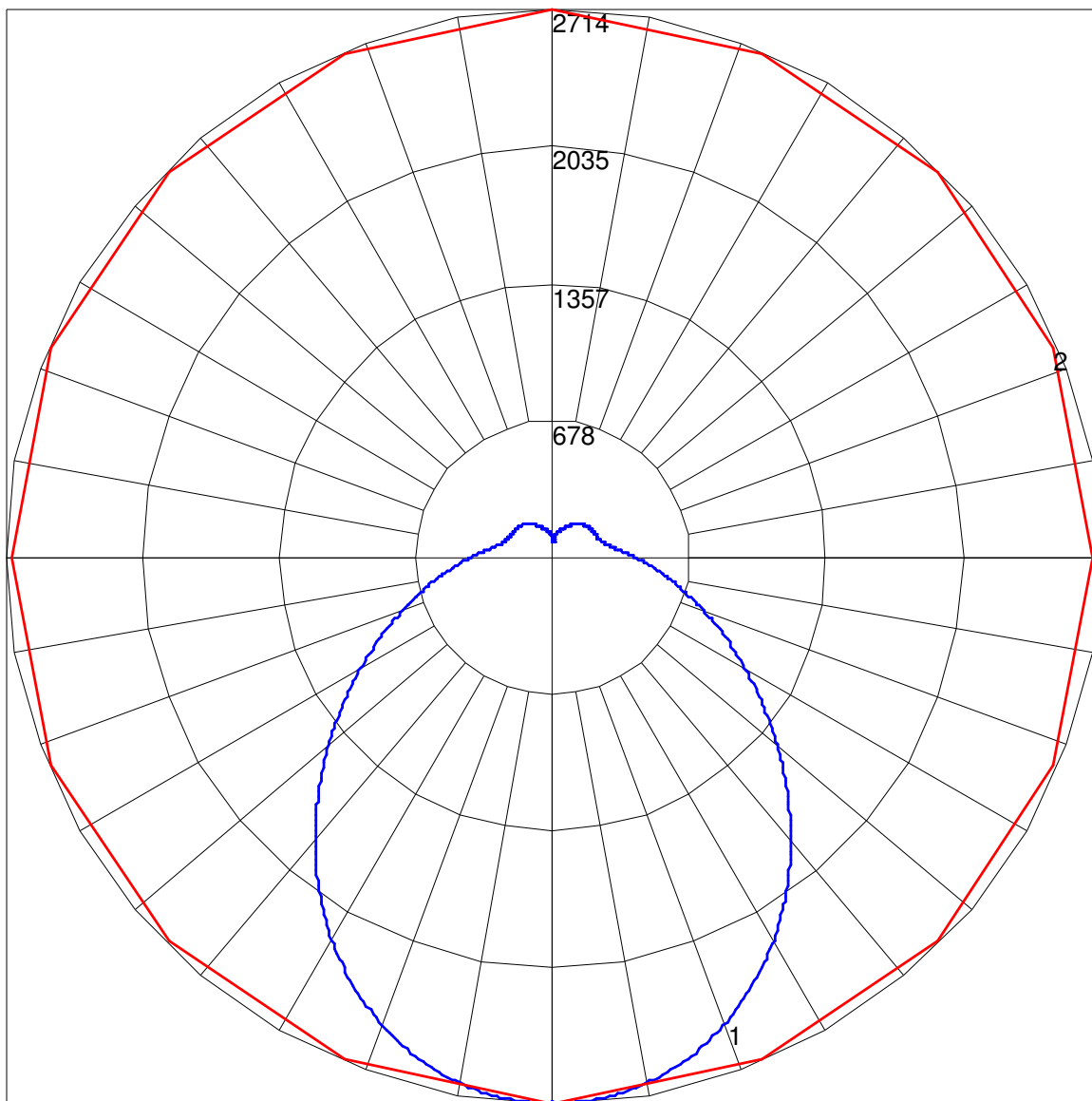
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	19.2	20.6	19.8	21.1	21.7	20.9	22.2	21.4	22.8	23.4
	3H	20.6	21.8	21.1	22.4	23.0	23.1	24.3	23.6	24.9	25.5
	4H	21.0	22.2	21.6	22.8	23.4	24.1	25.3	24.7	25.9	26.6
	6H	21.3	22.4	21.9	23.0	23.7	25.3	26.3	25.9	26.9	27.6
	8H	21.4	22.4	22.0	23.0	23.7	25.8	26.9	26.5	27.5	28.2
	12H	21.4	22.4	22.0	23.0	23.7	26.5	27.5	27.1	28.1	28.8
4H	2H	19.9	21.1	20.5	21.7	22.4	21.3	22.4	21.9	23.0	23.7
	3H	21.5	22.5	22.1	23.1	23.8	23.7	24.7	24.3	25.3	26.0
	4H	22.1	23.0	22.7	23.6	24.4	25.0	25.8	25.6	26.5	27.2
	6H	22.5	23.3	23.2	24.0	24.7	26.3	27.1	26.9	27.7	28.5
	8H	22.6	23.4	23.3	24.0	24.8	27.0	27.7	27.6	28.4	29.1
	12H	22.7	23.4	23.4	24.1	24.8	27.8	28.4	28.4	29.1	29.9
8H	4H	22.7	23.4	23.3	24.1	24.8	25.1	25.9	25.8	26.5	27.3
	6H	23.3	23.9	23.9	24.6	25.3	26.7	27.3	27.3	28.0	28.7
	8H	23.5	24.0	24.1	24.7	25.5	27.5	28.1	28.2	28.8	29.5
	12H	23.6	24.1	24.3	24.8	25.6	28.5	29.0	29.2	29.7	30.5
12H	4H	22.8	23.5	23.5	24.2	24.9	25.2	25.8	25.8	26.5	27.3
	6H	23.5	24.1	24.2	24.8	25.6	26.7	27.3	27.4	27.9	28.7
	8H	23.8	24.3	24.5	25.0	25.8	27.6	28.1	28.3	28.8	29.6

Maximum UGR = 30.5

POLAR GRAPH



Maximum Candela = 2713.722 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.)