

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L85-840-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-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	8341
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	148
Total Luminaire Watts	56.2
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	18302	16393	16232
55	15848	14034	14250
65	13322	12020	12699
75	10684	10500	11870
85	7837	10329	12541

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L85-840-DIM-UNV_.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	2699.518	2699.518	2699.518	2699.518	2699.518
0.5	2686.716	2696.958	2698.665	2697.811	2715.734
1.0	2686.716	2697.811	2697.811	2696.958	2714.881
1.5	2684.156	2697.811	2696.958	2696.104	2715.734
2.0	2683.302	2695.251	2696.958	2695.251	2713.174
2.5	2683.302	2695.251	2694.398	2694.398	2711.467
3.0	2680.742	2692.691	2692.691	2692.691	2709.760
3.5	2679.035	2690.130	2690.130	2690.984	2708.053
4.0	2677.328	2688.423	2688.423	2687.570	2706.346
4.5	2673.061	2685.863	2686.716	2685.863	2703.786
5.0	2670.500	2683.302	2683.302	2683.302	2701.225
5.5	2667.087	2679.889	2679.889	2680.742	2697.811
6.0	2665.380	2675.621	2676.475	2676.475	2694.398
6.5	2659.405	2672.207	2673.061	2673.061	2690.130
7.0	2655.991	2667.940	2668.794	2667.940	2686.716
7.5	2652.578	2662.819	2664.526	2664.526	2682.449
8.0	2648.310	2659.405	2659.405	2659.405	2676.475
8.5	2644.043	2653.431	2655.138	2655.138	2671.354
9.0	2637.215	2649.164	2650.017	2649.164	2665.380
9.5	2632.948	2643.189	2643.189	2643.189	2661.966
10.0	2626.120	2636.362	2636.362	2638.069	2655.138
10.5	2620.146	2630.387	2631.241	2631.241	2649.164
11.0	2614.172	2624.413	2625.267	2624.413	2642.336
11.5	2606.490	2617.585	2619.292	2617.585	2636.362
12.0	2599.663	2609.904	2611.611	2611.611	2628.681
12.5	2592.835	2602.223	2604.783	2603.076	2621.853
13.0	2585.154	2595.395	2597.102	2596.249	2614.172
13.5	2577.472	2586.861	2588.568	2588.568	2607.344
14.0	2568.084	2578.326	2580.033	2580.033	2597.956
14.5	2560.403	2569.791	2571.498	2571.498	2591.128
15.0	2552.722	2561.257	2562.110	2562.110	2580.886
15.5	2543.334	2551.015	2553.575	2553.575	2570.645
16.0	2533.092	2541.627	2544.187	2544.187	2562.110
16.5	2524.557	2531.385	2533.946	2534.799	2552.722
17.0	2512.609	2520.290	2523.704	2524.557	2542.480
17.5	2502.367	2510.049	2513.462	2514.316	2532.239
18.0	2492.979	2499.807	2502.367	2504.928	2522.851
18.5	2481.884	2489.565	2492.126	2493.833	2511.755
19.0	2470.789	2476.763	2481.031	2482.738	2499.807
19.5	2457.987	2466.522	2469.936	2473.349	2488.712
20.0	2444.332	2453.720	2457.987	2460.547	2476.763
20.5	2430.676	2442.625	2446.038	2449.452	2465.668
21.0	2419.581	2428.969	2431.529	2438.357	2453.720
21.5	2406.779	2416.167	2420.434	2423.848	2440.918
22.0	2393.123	2404.219	2408.486	2411.900	2429.823
22.5	2381.175	2388.856	2394.830	2399.951	2417.021
23.0	2366.666	2375.201	2381.175	2386.296	2403.365
23.5	2351.304	2360.692	2368.373	2373.494	2390.563
24.0	2335.941	2346.183	2353.864	2359.838	2376.908
24.5	2323.139	2331.674	2340.208	2345.329	2361.545
25.0	2308.630	2317.165	2326.553	2331.674	2347.890
25.5	2292.414	2302.656	2310.337	2318.018	2331.674
26.0	2277.052	2286.440	2296.682	2303.509	2318.872
26.5	2260.836	2270.224	2282.173	2288.147	2304.363

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L85-840-DIM-UNV_.IES

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27.0	2244.620	2253.155	2267.664	2275.345	2289.854
27.5	2225.844	2236.939	2251.448	2258.276	2275.345
28.0	2212.188	2220.723	2235.232	2242.913	2259.129
28.5	2194.265	2204.507	2219.016	2226.697	2242.913
29.0	2177.196	2187.438	2201.947	2211.335	2227.551
29.5	2159.273	2169.515	2184.877	2194.265	2210.481
30.0	2141.350	2152.446	2167.808	2179.757	2195.972
30.5	2122.574	2133.669	2151.592	2163.541	2178.903
31.0	2104.651	2115.746	2133.669	2146.471	2160.980
31.5	2085.875	2098.677	2116.600	2130.255	2145.618
32.0	2067.952	2079.047	2099.531	2112.333	2127.695
32.5	2048.322	2060.271	2081.608	2095.263	2110.626
33.0	2029.546	2042.348	2061.978	2078.194	2093.556
33.5	2011.623	2023.572	2044.909	2059.418	2075.633
34.0	1990.287	2003.942	2026.132	2042.348	2059.418
34.5	1970.657	1985.166	2008.210	2023.572	2040.641
35.0	1952.734	1964.683	1990.287	2006.503	2022.718
35.5	1929.690	1945.906	1970.657	1987.726	2003.942
36.0	1911.768	1925.423	1951.881	1968.950	1986.019
36.5	1889.577	1904.940	1932.251	1951.027	1968.950
37.0	1869.094	1885.310	1912.621	1931.397	1951.027
37.5	1847.758	1863.973	1893.845	1914.328	1931.397
38.0	1826.421	1843.490	1873.362	1894.698	1910.914
38.5	1804.231	1822.154	1853.732	1876.775	1892.138
39.0	1784.601	1800.817	1833.249	1857.146	1876.775
39.5	1762.411	1781.187	1813.619	1837.516	1856.292
40.0	1738.514	1758.997	1793.136	1819.593	1836.662
40.5	1716.324	1737.660	1773.506	1800.817	1817.886
41.0	1695.840	1716.324	1753.023	1781.187	1798.256
41.5	1673.650	1694.987	1732.539	1761.557	1779.480
42.0	1651.460	1673.650	1712.056	1742.781	1760.704
42.5	1630.123	1651.460	1690.720	1723.151	1741.074
43.0	1606.226	1630.123	1671.090	1704.375	1722.298
43.5	1585.743	1607.933	1649.753	1684.745	1703.522
44.0	1562.699	1585.743	1628.416	1665.969	1683.892
44.5	1541.363	1564.406	1607.080	1645.486	1664.262
45.0	1519.173	1542.216	1586.596	1627.563	1646.339
45.5	1496.982	1520.879	1566.113	1608.787	1627.563
46.0	1474.792	1498.689	1543.923	1588.303	1607.933
46.5	1452.602	1476.499	1525.147	1571.234	1589.157
47.0	1429.558	1455.162	1503.810	1550.751	1570.381
47.5	1407.368	1432.972	1482.473	1531.121	1550.751
48.0	1386.032	1410.782	1461.137	1513.198	1531.121
48.5	1362.134	1389.445	1441.507	1492.715	1512.345
49.0	1340.798	1366.402	1419.317	1473.085	1492.715
49.5	1318.608	1345.065	1398.834	1454.309	1473.939
50.0	1295.564	1322.875	1378.350	1433.826	1454.309
50.5	1274.227	1301.538	1357.014	1416.756	1436.386
51.0	1252.037	1279.348	1338.237	1397.127	1417.610
51.5	1230.700	1257.158	1316.901	1378.350	1398.834
52.0	1207.657	1235.821	1296.417	1358.721	1380.057
52.5	1185.467	1213.631	1276.788	1339.091	1362.134
53.0	1162.423	1192.294	1256.304	1322.021	1342.505
53.5	1140.233	1170.958	1236.675	1302.392	1324.582
54.0	1118.896	1149.621	1217.045	1283.615	1306.659
54.5	1098.413	1127.431	1197.415	1266.546	1288.736

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L85-840-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	1077.076	1106.948	1177.785	1246.916	1272.520
55.5	1059.153	1085.611	1158.156	1228.993	1252.891
56.0	1038.670	1066.835	1139.379	1211.071	1234.968
56.5	1017.334	1047.205	1119.750	1193.148	1217.898
57.0	996.850	1027.575	1100.973	1175.225	1199.976
57.5	975.514	1007.092	1084.757	1158.156	1180.346
58.0	954.177	986.609	1065.981	1139.379	1165.837
58.5	933.694	966.125	1047.205	1123.163	1148.768
59.0	913.210	945.642	1029.282	1108.655	1130.845
59.5	892.727	926.012	1013.066	1090.732	1117.189
60.0	872.244	905.529	995.143	1073.662	1100.120
60.5	852.188	885.899	977.221	1057.446	1083.051
61.0	832.046	866.270	959.298	1041.231	1066.835
61.5	812.075	846.811	941.375	1025.015	1051.472
62.0	792.445	827.522	924.306	1009.652	1035.256
62.5	773.071	808.405	906.383	994.290	1019.894
63.0	753.441	789.372	889.313	978.074	1006.238
63.5	733.982	770.596	873.097	962.712	990.876
64.0	715.035	752.076	856.028	946.496	975.514
64.5	696.174	733.982	839.812	931.133	960.151
65.0	677.483	715.803	823.511	915.771	945.642
65.5	659.048	698.051	807.380	900.408	930.280
66.0	640.357	680.299	791.421	885.046	915.771
66.5	622.093	662.974	775.546	870.537	901.262
67.0	604.255	645.819	759.757	855.175	886.753
67.5	586.332	628.920	744.309	840.836	872.244
68.0	568.666	612.448	728.947	826.327	858.589
68.5	551.255	596.062	713.926	812.245	844.336
69.0	533.929	579.846	699.075	798.078	830.851
69.5	516.860	563.971	684.396	784.337	817.451
70.0	499.876	548.353	669.972	770.852	804.137
70.5	483.319	532.905	655.549	757.367	790.994
71.0	466.932	517.628	641.381	744.053	778.021
71.5	450.716	502.692	627.555	731.080	765.219
72.0	434.842	487.671	613.729	718.193	752.759
72.5	418.882	473.162	600.244	705.562	740.383
73.0	403.349	458.739	586.844	693.101	727.923
73.5	388.242	444.486	573.872	680.726	715.803
74.0	373.307	430.660	560.728	668.777	703.599
74.5	358.627	416.748	548.182	656.914	692.077
75.0	344.033	403.178	535.722	645.307	680.897
75.5	329.695	389.949	523.432	633.785	669.545
76.0	315.783	376.977	511.483	622.349	658.450
76.5	301.957	364.175	499.620	611.168	647.355
77.0	288.301	351.458	487.927	600.073	636.602
77.5	274.902	339.083	476.406	589.319	625.933
78.0	261.673	326.963	465.225	578.736	615.436
78.5	248.700	315.015	454.130	568.068	605.023
79.0	235.984	303.408	443.376	557.741	594.782
79.5	223.352	291.886	432.793	547.670	584.540
80.0	210.892	280.535	422.210	537.685	574.810
80.5	198.773	269.525	411.969	527.614	564.910
81.0	186.995	258.686	402.154	517.884	555.266
81.5	175.046	248.103	392.339	508.240	545.622
82.0	163.524	237.776	382.780	498.937	536.319
82.5	152.259	227.620	373.392	489.634	527.187

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L85-840-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	141.164	217.720	364.175	480.673	518.311
83.5	130.154	208.075	355.384	471.541	509.093
84.0	119.400	198.687	346.849	462.921	500.303
84.5	108.732	189.641	338.485	454.386	491.683
85.0	98.490	180.850	330.292	445.937	483.063
85.5	88.249	172.486	322.269	437.744	474.699
86.0	78.178	164.463	314.418	429.721	466.420
86.5	68.192	156.953	306.992	421.698	458.141
87.0	58.377	149.698	299.482	414.103	450.034
87.5	48.562	142.956	292.398	406.421	442.267
88.0	38.833	136.384	285.400	398.996	434.415
88.5	29.018	130.239	278.657	391.656	426.819
89.0	20.056	124.436	272.256	384.573	419.309
89.5	12.717	119.059	266.026	377.745	411.969
90.0	7.596	114.279	260.308	371.258	405.226
90.5	5.377	110.097	255.016	364.772	398.057
91.0	5.718	106.257	249.639	358.200	391.230
91.5	6.828	102.587	244.262	351.970	384.402
92.0	8.108	99.514	239.142	345.654	377.745
92.5	9.473	96.869	234.789	339.595	371.173
93.0	10.839	94.564	230.266	333.877	364.857
93.5	12.290	92.772	225.998	328.244	358.883
94.0	13.826	91.236	221.987	322.952	353.080
94.5	15.277	90.126	218.232	317.575	347.105
95.0	16.728	89.273	214.732	312.284	341.387
95.5	18.094	88.675	211.489	307.248	335.754
96.0	19.203	88.419	208.673	302.384	330.207
96.5	20.313	88.419	205.856	297.860	325.086
97.0	21.337	88.505	203.296	293.508	319.965
97.5	22.446	88.846	200.906	289.326	315.271
98.0	23.385	89.187	198.773	285.229	310.492
98.5	24.495	89.614	196.980	281.303	306.054
99.0	25.604	90.126	195.103	277.633	301.701
99.5	26.799	90.724	193.481	274.134	297.433
100.0	27.823	91.321	192.201	270.891	293.593
100.5	29.018	92.004	190.921	267.733	289.667
101.0	30.042	92.687	189.982	264.746	286.168
101.5	31.066	93.369	189.043	261.929	282.583
102.0	32.005	94.052	188.360	259.283	279.425
102.5	32.944	94.735	187.678	256.808	276.267
103.0	33.883	95.503	187.165	254.333	273.451
103.5	34.907	96.271	186.739	252.200	270.549
104.0	36.016	96.954	186.312	250.237	267.904
104.5	37.126	97.722	186.056	248.359	265.428
105.0	38.150	98.490	185.800	246.652	263.039
105.5	39.089	99.173	185.544	244.860	260.990
106.0	40.198	100.026	185.459	243.324	258.942
106.5	41.222	100.795	185.459	241.873	256.894
107.0	42.247	101.648	185.459	240.507	255.187
107.5	43.185	102.331	185.459	239.483	253.395
108.0	44.380	103.184	185.459	238.288	251.602
108.5	45.490	104.038	185.544	237.435	250.407
109.0	46.599	104.720	185.715	236.325	249.213
109.5	47.794	105.489	185.800	235.557	247.932
110.0	48.989	106.257	185.971	234.704	246.908
110.5	50.184	107.025	186.141	233.935	245.969

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L85-840-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

111.0	51.379	107.793	186.227	233.253	244.945
111.5	52.574	108.476	186.312	232.741	244.092
112.0	53.854	109.244	186.483	232.229	243.068
112.5	55.134	110.012	186.653	231.631	242.129
113.0	56.500	110.780	186.909	231.204	241.702
113.5	57.780	111.463	186.909	230.778	241.105
114.0	59.145	112.146	187.080	230.436	240.507
114.5	60.426	112.914	187.251	230.010	239.995
115.0	61.791	113.511	187.422	229.754	239.568
115.5	63.157	114.279	187.422	229.497	239.142
116.0	64.437	114.962	187.678	229.156	238.630
116.5	65.632	115.645	187.848	228.815	238.459
117.0	66.997	116.413	188.019	228.815	238.032
117.5	68.277	117.010	188.190	228.473	237.776
118.0	69.387	117.608	188.360	228.303	237.435
118.5	70.667	118.205	188.446	228.047	237.349
119.0	71.777	118.803	188.616	227.791	236.837
119.5	72.971	119.229	188.787	227.534	236.752
120.0	74.081	119.656	188.702	227.364	236.325
120.5	75.191	120.168	188.787	227.022	236.240
121.0	76.300	120.510	188.958	226.766	235.898
121.5	77.495	120.936	188.872	226.425	235.728
122.0	78.604	121.448	188.872	226.254	235.472
122.5	79.714	121.961	188.958	225.913	234.874
123.0	80.823	122.473	188.872	225.572	234.789
123.5	81.848	122.899	188.702	225.315	234.277
124.0	82.701	123.241	188.702	225.059	234.192
124.5	83.554	123.582	188.702	224.633	233.850
125.0	84.408	124.009	188.531	224.206	233.509
125.5	85.261	124.265	188.360	223.950	233.082
126.0	86.030	124.606	188.275	223.438	232.741
126.5	86.712	125.033	188.104	223.096	232.485
127.0	87.480	125.204	187.934	222.670	232.143
127.5	88.078	125.460	187.678	222.243	231.546
128.0	88.846	125.460	187.592	221.731	231.204
128.5	89.443	125.630	187.251	221.304	230.863
129.0	90.041	125.801	186.909	220.877	230.436
129.5	90.553	126.057	186.312	220.195	229.924
130.0	90.980	126.228	185.715	219.768	229.412
130.5	91.406	126.399	185.032	219.256	228.815
131.0	91.662	126.655	184.349	218.488	228.217
131.5	92.004	126.911	183.666	217.805	227.620
132.0	92.345	127.167	182.898	217.378	227.108
132.5	92.516	127.252	182.045	216.525	226.340
133.0	92.772	127.337	181.703	215.757	225.401
133.5	92.857	127.252	181.191	215.159	224.974
134.0	92.943	127.081	180.850	214.476	224.377
134.5	93.199	126.740	180.423	213.708	223.267
135.0	93.455	126.484	179.911	212.684	222.414
135.5	93.369	125.801	179.484	212.001	221.731
136.0	93.540	125.716	178.887	211.148	220.877
136.5	93.711	125.460	178.460	210.209	220.024
137.0	93.796	125.033	177.777	209.441	219.085
137.5	93.881	124.606	177.180	208.417	218.232
138.0	94.052	124.350	176.326	207.563	217.208
138.5	94.052	124.009	175.217	206.625	216.439

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L85-840-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

139.0	93.967	123.753	173.937	205.515	215.245
139.5	93.967	123.411	172.400	204.320	214.391
140.0	93.967	122.985	170.694	203.211	213.196
140.5	93.967	122.729	169.157	201.845	211.916
141.0	93.967	122.558	167.450	200.394	210.892
141.5	93.967	122.217	165.743	199.114	209.868
142.0	93.881	122.046	164.122	197.492	208.758
142.5	93.796	121.790	162.415	196.042	207.478
143.0	93.711	121.534	160.793	194.676	206.198
143.5	93.711	121.192	158.916	193.225	205.003
144.0	93.711	120.766	157.294	192.116	203.637
144.5	93.967	120.424	155.673	190.835	202.443
145.0	94.308	120.083	153.880	189.726	201.077
145.5	94.906	119.656	152.259	188.616	199.711
146.0	95.674	119.315	150.722	187.422	198.431
146.5	96.442	118.973	149.442	186.141	196.980
147.0	97.210	118.547	147.991	184.861	195.529
147.5	97.893	118.376	146.882	183.581	194.079
148.0	98.661	118.035	145.687	182.130	192.542
148.5	99.344	117.949	144.748	180.764	191.006
149.0	100.197	117.949	143.724	179.399	189.641
149.5	100.795	118.205	142.785	177.948	187.934
150.0	101.477	118.376	141.846	176.582	186.141
150.5	102.075	118.461	140.822	175.046	184.264
151.0	102.501	118.717	139.457	173.510	182.045
151.5	102.928	118.803	138.006	171.888	179.996
152.0	103.440	118.973	136.640	170.181	177.948
152.5	103.952	119.144	135.360	168.389	175.729
153.0	104.294	119.229	133.994	166.341	173.937
153.5	104.720	119.485	132.544	164.207	171.888
154.0	105.062	119.400	131.263	161.817	170.181
154.5	105.489	119.485	130.154	159.513	168.475
155.0	105.659	119.656	129.044	156.867	167.194
155.5	106.001	119.742	127.935	154.392	165.829
156.0	106.257	119.742	127.167	151.747	164.634
156.5	106.683	119.742	126.399	149.101	163.098
157.0	106.854	119.912	125.630	146.711	161.647
157.5	107.110	119.912	125.118	144.407	160.025
158.0	107.452	119.827	124.862	142.017	158.489
158.5	107.537	119.827	124.521	140.054	156.697
159.0	107.964	119.571	124.265	138.176	155.160
159.5	108.305	119.400	123.838	136.384	153.453
160.0	108.732	119.229	123.411	134.933	151.747
160.5	109.244	119.144	123.070	133.568	150.125
161.0	109.585	118.888	122.985	132.117	148.503
161.5	110.097	118.803	122.814	130.666	147.309
162.0	110.524	118.632	123.070	129.471	146.284
162.5	110.951	118.632	123.241	128.191	145.090
163.0	111.463	118.547	123.326	126.825	144.065
163.5	111.890	118.547	123.497	125.374	142.785
164.0	112.060	118.547	123.667	123.582	141.590
164.5	112.316	118.376	123.497	122.217	140.054
165.0	112.572	118.376	123.241	120.851	138.518
165.5	112.828	118.291	122.985	119.912	136.896
166.0	113.084	118.205	122.814	118.888	134.421
166.5	113.341	118.205	122.558	118.035	133.226

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L85-840-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

167.0	113.682	118.205	122.302	117.266	132.287
167.5	113.853	118.205	121.790	116.584	131.349
168.0	114.109	118.205	121.363	115.901	130.581
168.5	114.621	117.864	120.766	115.303	129.642
169.0	114.877	117.949	120.339	114.706	128.703
169.5	115.303	117.693	119.656	114.023	127.679
170.0	115.474	117.608	119.059	113.170	126.740
170.5	115.730	117.437	118.291	112.231	125.716
171.0	115.901	117.266	117.437	111.207	124.436
171.5	116.157	117.266	116.669	110.268	123.411
172.0	116.584	117.096	116.242	109.329	121.875
172.5	116.840	117.096	115.730	108.305	120.168
173.0	117.181	116.925	115.303	107.366	117.266
173.5	117.608	117.010	115.133	106.427	112.914
174.0	117.949	117.010	115.047	105.659	107.537
174.5	118.205	117.010	114.877	104.891	101.136
175.0	118.717	117.266	114.791	104.294	93.881
175.5	118.888	117.352	114.706	104.038	86.286
176.0	119.229	117.523	114.706	103.782	81.335
176.5	119.315	117.608	114.621	103.782	77.836
177.0	119.656	117.779	114.450	103.526	74.252
177.5	119.742	117.779	114.194	103.440	73.484
178.0	120.083	117.949	114.109	103.355	73.654
178.5	120.254	118.035	114.194	103.184	73.825
179.0	120.424	118.035	114.109	102.928	73.910
179.5	120.595	118.035	114.023	102.843	73.996
180.0	108.134	108.134	108.134	108.134	108.134

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L85-840-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	977.11	N.A.	11.70
0-30	2047.38	N.A.	24.50
0-40	3288.84	N.A.	39.40
0-60	5565.93	N.A.	66.70
0-80	6934.15	N.A.	83.10
0-90	7278.26	N.A.	87.30
10-90	7023.52	N.A.	84.20
20-40	2311.72	N.A.	27.70
20-50	3534.25	N.A.	42.40
40-70	3088.22	N.A.	37.00
60-80	1368.22	N.A.	16.40
70-80	557.09	N.A.	6.70
80-90	344.11	N.A.	4.10
90-110	401.92	N.A.	4.80
90-120	571.12	N.A.	6.80
90-130	726.85	N.A.	8.70
90-150	954.21	N.A.	11.40
90-180	1062.91	N.A.	12.70
110-180	660.99	N.A.	7.90
0-180	8341.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	254.74
10-20	722.38
20-30	1070.27
30-40	1241.45
40-50	1222.53
50-60	1054.56
60-70	811.13
70-80	557.09
80-90	344.11
90-100	220.47
100-110	181.45
110-120	169.20
120-130	155.73
130-140	130.86
140-150	96.51
150-160	63.10
160-170	34.77
170-180	10.83

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L85-840-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-DIM-UNV_.IES

UGR TABLE - CORRECTED

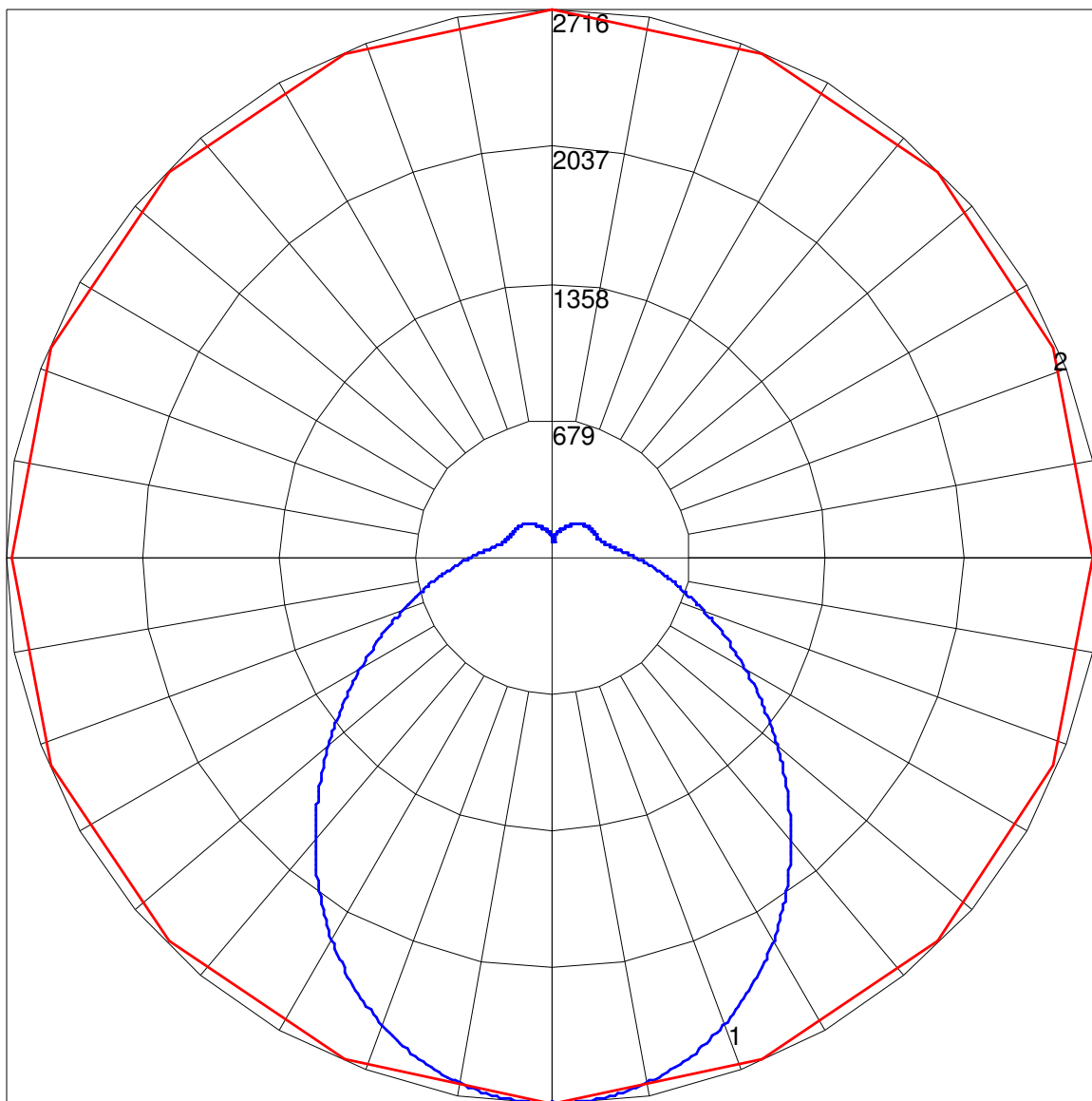
Reflectances

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 = 2715.734 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.)