

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L85-830-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-L85-830-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	8017
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
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	17591	15756	15601
55	15232	13489	13696
65	12805	11553	12206
75	10269	10092	11409
85	7532	9928	12054

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L85-830-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	2594.683	2594.683	2594.683	2594.683	2594.683
0.5	2582.378	2592.222	2593.862	2593.042	2610.269
1.0	2582.378	2593.042	2593.042	2592.222	2609.448
1.5	2579.917	2593.042	2592.222	2591.401	2610.269
2.0	2579.096	2590.581	2592.222	2590.581	2607.808
2.5	2579.096	2590.581	2589.761	2589.761	2606.167
3.0	2576.635	2588.120	2588.120	2588.120	2604.526
3.5	2574.995	2585.659	2585.659	2586.479	2602.886
4.0	2573.354	2584.018	2584.018	2583.198	2601.245
4.5	2569.253	2581.557	2582.378	2581.557	2598.784
5.0	2566.792	2579.096	2579.096	2579.096	2596.323
5.5	2563.510	2575.815	2575.815	2576.635	2593.042
6.0	2561.870	2571.714	2572.534	2572.534	2589.761
6.5	2556.127	2568.432	2569.253	2569.253	2585.659
7.0	2552.846	2564.331	2565.151	2564.331	2582.378
7.5	2549.565	2559.409	2561.049	2561.049	2578.276
8.0	2545.463	2556.127	2556.127	2556.127	2572.534
8.5	2541.362	2550.385	2552.026	2552.026	2567.612
9.0	2534.799	2546.283	2547.104	2546.283	2561.870
9.5	2530.697	2540.541	2540.541	2540.541	2558.588
10.0	2524.135	2533.979	2533.979	2535.619	2552.026
10.5	2518.392	2528.236	2529.057	2529.057	2546.283
11.0	2512.650	2522.494	2523.314	2522.494	2539.721
11.5	2505.267	2515.932	2517.572	2515.932	2533.979
12.0	2498.705	2508.549	2510.189	2510.189	2526.596
12.5	2492.142	2501.166	2503.627	2501.986	2520.033
13.0	2484.759	2494.603	2496.244	2495.423	2512.650
13.5	2477.376	2486.400	2488.041	2488.041	2506.088
14.0	2468.353	2478.197	2479.837	2479.837	2497.064
14.5	2460.970	2469.993	2471.634	2471.634	2490.502
15.0	2453.587	2461.790	2462.611	2462.611	2480.658
15.5	2444.563	2451.946	2454.407	2454.407	2470.814
16.0	2434.720	2442.923	2445.384	2445.384	2462.611
16.5	2426.516	2433.079	2435.540	2436.360	2453.587
17.0	2415.032	2422.415	2425.696	2426.516	2443.743
17.5	2405.188	2412.571	2415.852	2416.672	2433.899
18.0	2396.164	2402.727	2405.188	2407.649	2424.876
18.5	2385.500	2392.883	2395.344	2396.985	2414.211
19.0	2374.836	2380.578	2384.680	2386.320	2402.727
19.5	2362.531	2370.734	2374.016	2377.297	2392.063
20.0	2349.406	2358.429	2362.531	2364.992	2380.578
20.5	2336.281	2347.765	2351.047	2354.328	2369.914
21.0	2325.617	2334.640	2337.101	2343.664	2358.429
21.5	2313.312	2322.335	2326.437	2329.718	2346.125
22.0	2300.187	2310.851	2314.952	2318.234	2335.460
22.5	2288.702	2296.085	2301.827	2306.749	2323.156
23.0	2274.756	2282.960	2288.702	2293.624	2310.030
23.5	2259.991	2269.014	2276.397	2281.319	2297.726
24.0	2245.225	2255.069	2262.452	2268.194	2284.600
24.5	2232.920	2241.123	2249.326	2254.248	2269.835
25.0	2218.974	2227.178	2236.201	2241.123	2256.709
25.5	2203.388	2213.232	2220.615	2227.998	2241.123
26.0	2188.623	2197.646	2207.490	2214.053	2228.818
26.5	2173.036	2182.060	2193.544	2199.287	2214.873

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L85-830-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	2157.450	2165.653	2179.599	2186.982	2200.927
27.5	2139.403	2150.067	2164.013	2170.575	2186.982
28.0	2126.278	2134.481	2148.427	2155.810	2171.396
28.5	2109.051	2118.895	2132.841	2140.223	2155.810
29.0	2092.645	2102.489	2116.434	2125.458	2141.044
29.5	2075.418	2085.262	2100.028	2109.051	2124.637
30.0	2058.191	2068.855	2083.621	2095.106	2110.692
30.5	2040.144	2050.808	2068.035	2079.520	2094.285
31.0	2022.917	2033.581	2050.808	2063.113	2077.059
31.5	2004.870	2017.175	2034.402	2047.527	2062.293
32.0	1987.643	1998.308	2017.995	2030.300	2045.066
32.5	1968.776	1980.260	2000.769	2013.894	2028.659
33.0	1950.729	1963.034	1981.901	1997.487	2012.253
33.5	1933.502	1944.987	1965.495	1979.440	1995.026
34.0	1912.994	1926.119	1947.447	1963.034	1979.440
34.5	1894.126	1908.072	1930.221	1944.987	1961.393
35.0	1876.900	1888.384	1912.994	1928.580	1944.166
35.5	1854.751	1870.337	1894.126	1910.533	1926.119
36.0	1837.524	1850.649	1876.079	1892.486	1908.892
36.5	1816.196	1830.962	1857.212	1875.259	1892.486
37.0	1796.508	1812.094	1838.344	1856.392	1875.259
37.5	1776.000	1791.586	1820.297	1839.985	1856.392
38.0	1755.492	1771.898	1800.610	1821.118	1836.704
38.5	1734.163	1751.390	1781.742	1803.891	1818.657
39.0	1715.296	1730.882	1762.054	1785.023	1803.891
39.5	1693.968	1712.015	1743.187	1766.156	1784.203
40.0	1670.999	1690.686	1723.499	1748.929	1765.336
40.5	1649.670	1670.178	1704.632	1730.882	1747.289
41.0	1629.982	1649.670	1684.944	1712.015	1728.421
41.5	1608.654	1629.162	1665.256	1693.147	1710.374
42.0	1587.326	1608.654	1645.569	1675.100	1692.327
42.5	1566.817	1587.326	1625.060	1656.233	1673.460
43.0	1543.848	1566.817	1606.193	1638.186	1655.412
43.5	1524.161	1545.489	1585.685	1619.318	1637.365
44.0	1502.012	1524.161	1565.177	1601.271	1618.498
44.5	1481.504	1503.653	1544.669	1581.583	1599.630
45.0	1460.175	1482.324	1524.981	1564.357	1582.404
45.5	1438.847	1461.816	1505.293	1546.309	1564.357
46.0	1417.519	1440.488	1483.965	1526.622	1545.489
46.5	1396.190	1419.159	1465.918	1510.215	1527.442
47.0	1374.042	1398.651	1445.410	1490.527	1509.395
47.5	1352.713	1377.323	1424.902	1471.660	1490.527
48.0	1332.205	1355.994	1404.393	1454.433	1471.660
48.5	1309.236	1335.486	1385.526	1434.745	1453.613
49.0	1288.728	1313.338	1364.198	1415.878	1434.745
49.5	1267.399	1292.830	1344.510	1397.831	1416.698
50.0	1245.251	1271.501	1324.822	1378.143	1397.831
50.5	1224.743	1250.993	1304.314	1361.737	1380.604
51.0	1203.414	1229.665	1286.267	1342.869	1362.557
51.5	1182.906	1208.336	1265.759	1324.822	1344.510
52.0	1160.757	1187.828	1246.071	1305.955	1326.463
52.5	1139.429	1166.500	1227.204	1287.087	1309.236
53.0	1117.280	1145.992	1207.516	1270.681	1290.369
53.5	1095.952	1125.484	1188.648	1251.813	1273.142
54.0	1075.444	1104.975	1169.781	1233.766	1255.915
54.5	1055.756	1083.647	1150.914	1217.360	1238.688

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L85-830-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	1035.248	1063.959	1132.046	1198.492	1223.102
55.5	1018.021	1043.451	1113.179	1181.266	1204.235
56.0	998.333	1025.404	1095.132	1164.039	1187.008
56.5	977.825	1006.537	1076.264	1146.812	1170.601
57.0	958.138	987.669	1058.217	1129.585	1153.375
57.5	937.630	967.981	1042.631	1113.179	1134.507
58.0	917.121	948.294	1024.584	1095.132	1120.562
58.5	897.434	928.606	1006.537	1079.545	1104.155
59.0	877.746	908.918	989.310	1065.600	1086.928
59.5	858.058	890.051	973.724	1048.373	1073.803
60.0	838.370	870.363	956.497	1031.967	1057.397
60.5	819.093	851.496	939.270	1016.381	1040.990
61.0	799.733	832.628	922.043	1000.794	1025.404
61.5	780.538	813.925	904.817	985.208	1010.638
62.0	761.670	795.385	888.410	970.442	995.052
62.5	743.049	777.010	871.183	955.677	980.286
63.0	724.181	758.717	854.777	940.090	967.161
63.5	705.478	740.670	839.191	925.325	952.395
64.0	687.267	722.869	822.784	909.739	937.630
64.5	669.138	705.478	807.198	894.973	922.864
65.0	651.173	688.005	791.530	880.207	908.918
65.5	633.454	670.942	776.026	865.441	894.152
66.0	615.489	653.880	760.686	850.675	880.207
66.5	597.934	637.227	745.428	836.730	866.261
67.0	580.789	620.739	730.252	821.964	852.316
67.5	563.562	604.496	715.404	808.183	838.370
68.0	546.581	588.664	700.638	794.237	825.245
68.5	529.847	572.914	686.200	780.702	811.546
69.0	513.194	557.328	671.927	767.084	798.585
69.5	496.788	542.070	657.817	753.877	785.706
70.0	480.463	527.058	643.954	740.916	772.909
70.5	464.549	512.210	630.090	727.955	760.276
71.0	448.799	497.526	616.473	715.158	747.807
71.5	433.213	483.170	603.184	702.689	735.502
72.0	417.955	468.733	589.894	690.302	723.525
72.5	402.615	454.787	576.933	678.161	711.630
73.0	387.685	440.924	564.054	666.185	699.654
73.5	373.165	427.224	551.585	654.290	688.005
74.0	358.809	413.935	538.952	642.805	676.275
74.5	344.700	400.564	526.894	631.403	665.200
75.0	330.672	387.521	514.917	620.246	654.454
75.5	316.891	374.806	503.104	609.172	643.544
76.0	303.520	362.337	491.620	598.180	632.879
76.5	290.230	350.032	480.217	587.434	622.215
77.0	277.105	337.809	468.979	576.769	611.879
77.5	264.226	325.914	457.904	566.433	601.625
78.0	251.511	314.266	447.158	556.261	591.535
78.5	239.042	302.781	436.494	546.007	581.527
79.0	226.819	291.625	426.158	536.081	571.683
79.5	214.679	280.551	415.986	526.401	561.839
80.0	202.702	269.640	405.814	516.804	552.488
80.5	191.053	259.058	395.970	507.124	542.972
81.0	179.733	248.640	386.536	497.772	533.702
81.5	168.248	238.468	377.103	488.503	524.433
82.0	157.174	228.542	367.915	479.561	515.491
82.5	146.346	218.780	358.891	470.619	506.714

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L85-830-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	135.681	209.264	350.032	462.006	498.182
83.5	125.099	199.995	341.583	453.229	489.323
84.0	114.763	190.971	333.379	444.943	480.874
84.5	104.509	182.276	325.340	436.740	472.588
85.0	94.665	173.827	317.465	428.619	464.303
85.5	84.821	165.787	309.754	420.744	456.264
86.0	75.142	158.076	302.207	413.033	448.307
86.5	65.544	150.857	295.070	405.322	440.350
87.0	56.110	143.885	287.851	398.021	432.556
87.5	46.676	137.404	281.043	390.638	425.092
88.0	37.325	131.088	274.316	383.501	417.545
88.5	27.891	125.181	267.836	376.446	410.244
89.0	19.278	119.603	261.683	369.638	403.025
89.5	12.223	114.435	255.695	363.075	395.970
90.0	7.301	109.841	250.199	356.841	389.489
90.5	5.168	105.822	245.113	350.606	382.599
91.0	5.496	102.130	239.945	344.290	376.036
91.5	6.563	98.603	234.777	338.301	369.474
92.0	7.793	95.650	229.855	332.231	363.075
92.5	9.106	93.107	225.671	326.407	356.759
93.0	10.418	90.892	221.323	320.910	350.688
93.5	11.813	89.169	217.222	315.496	344.946
94.0	13.289	87.693	213.366	310.410	339.368
94.5	14.684	86.626	209.757	305.242	333.625
95.0	16.078	85.806	206.393	300.156	328.129
95.5	17.391	85.232	203.276	295.316	322.715
96.0	18.457	84.985	200.569	290.641	317.383
96.5	19.524	84.985	197.862	286.293	312.461
97.0	20.508	85.068	195.401	282.109	307.539
97.5	21.575	85.396	193.104	278.090	303.027
98.0	22.477	85.724	191.053	274.152	298.434
98.5	23.543	86.134	189.331	270.379	294.168
99.0	24.610	86.626	187.526	266.851	289.984
99.5	25.758	87.200	185.967	263.488	285.883
100.0	26.743	87.775	184.737	260.371	282.191
100.5	27.891	88.431	183.506	257.335	278.418
101.0	28.875	89.087	182.604	254.464	275.054
101.5	29.860	89.743	181.702	251.757	271.609
102.0	30.762	90.400	181.045	249.214	268.574
102.5	31.664	91.056	180.389	246.835	265.539
103.0	32.567	91.794	179.897	244.456	262.832
103.5	33.551	92.532	179.487	242.406	260.042
104.0	34.618	93.189	179.077	240.519	257.499
104.5	35.684	93.927	178.830	238.714	255.121
105.0	36.668	94.665	178.584	237.073	252.824
105.5	37.571	95.322	178.338	235.351	250.855
106.0	38.637	96.142	178.256	233.874	248.886
106.5	39.622	96.880	178.256	232.480	246.917
107.0	40.606	97.701	178.256	231.167	245.277
107.5	41.508	98.357	178.256	230.183	243.554
108.0	42.657	99.177	178.256	229.034	241.831
108.5	43.723	99.997	178.338	228.214	240.683
109.0	44.790	100.654	178.502	227.148	239.534
109.5	45.938	101.392	178.584	226.409	238.304
110.0	47.087	102.130	178.748	225.589	237.320
110.5	48.235	102.869	178.913	224.851	236.417

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L85-830-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

111.0	49.383	103.607	178.995	224.194	235.433
111.5	50.532	104.263	179.077	223.702	234.612
112.0	51.762	105.001	179.241	223.210	233.628
112.5	52.993	105.740	179.405	222.636	232.726
113.0	54.305	106.478	179.651	222.226	232.316
113.5	55.536	107.134	179.651	221.815	231.741
114.0	56.848	107.790	179.815	221.487	231.167
114.5	58.079	108.529	179.979	221.077	230.675
115.0	59.391	109.103	180.143	220.831	230.265
115.5	60.704	109.841	180.143	220.585	229.855
116.0	61.934	110.498	180.389	220.257	229.362
116.5	63.083	111.154	180.553	219.929	229.198
117.0	64.395	111.892	180.717	219.929	228.788
117.5	65.626	112.466	180.881	219.601	228.542
118.0	66.692	113.041	181.045	219.436	228.214
118.5	67.923	113.615	181.127	219.190	228.132
119.0	68.989	114.189	181.291	218.944	227.640
119.5	70.138	114.599	181.456	218.698	227.558
120.0	71.204	115.009	181.373	218.534	227.148
120.5	72.270	115.502	181.456	218.206	227.065
121.0	73.337	115.830	181.620	217.960	226.737
121.5	74.485	116.240	181.538	217.632	226.573
122.0	75.552	116.732	181.538	217.468	226.327
122.5	76.618	117.224	181.620	217.140	225.753
123.0	77.685	117.716	181.538	216.811	225.671
123.5	78.669	118.127	181.373	216.565	225.179
124.0	79.489	118.455	181.373	216.319	225.097
124.5	80.310	118.783	181.373	215.909	224.769
125.0	81.130	119.193	181.209	215.499	224.440
125.5	81.950	119.439	181.045	215.253	224.030
126.0	82.689	119.767	180.963	214.761	223.702
126.5	83.345	120.177	180.799	214.433	223.456
127.0	84.083	120.341	180.635	214.022	223.128
127.5	84.657	120.588	180.389	213.612	222.554
128.0	85.396	120.588	180.307	213.120	222.226
128.5	85.970	120.752	179.979	212.710	221.897
129.0	86.544	120.916	179.651	212.300	221.487
129.5	87.036	121.162	179.077	211.643	220.995
130.0	87.446	121.326	178.502	211.233	220.503
130.5	87.857	121.490	177.846	210.741	219.929
131.0	88.103	121.736	177.190	210.003	219.354
131.5	88.431	121.982	176.534	209.347	218.780
132.0	88.759	122.228	175.795	208.936	218.288
132.5	88.923	122.310	174.975	208.116	217.550
133.0	89.169	122.392	174.647	207.378	216.647
133.5	89.251	122.310	174.155	206.804	216.237
134.0	89.333	122.146	173.827	206.147	215.663
134.5	89.579	121.818	173.416	205.409	214.597
135.0	89.825	121.572	172.924	204.425	213.776
135.5	89.743	120.916	172.514	203.768	213.120
136.0	89.907	120.834	171.940	202.948	212.300
136.5	90.071	120.588	171.530	202.046	211.479
137.0	90.154	120.177	170.873	201.307	210.577
137.5	90.236	119.767	170.299	200.323	209.757
138.0	90.400	119.521	169.479	199.503	208.772
138.5	90.400	119.193	168.412	198.600	208.034

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L85-830-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

139.0	90.318	118.947	167.182	197.534	206.886
139.5	90.318	118.619	165.705	196.385	206.065
140.0	90.318	118.209	164.065	195.319	204.917
140.5	90.318	117.962	162.588	194.006	203.686
141.0	90.318	117.798	160.947	192.612	202.702
141.5	90.318	117.470	159.307	191.381	201.717
142.0	90.236	117.306	157.748	189.823	200.651
142.5	90.154	117.060	156.108	188.428	199.421
143.0	90.071	116.814	154.549	187.116	198.190
143.5	90.071	116.486	152.744	185.721	197.042
144.0	90.071	116.076	151.186	184.655	195.729
144.5	90.318	115.748	149.627	183.424	194.581
145.0	90.646	115.419	147.904	182.358	193.268
145.5	91.220	115.009	146.346	181.291	191.956
146.0	91.958	114.681	144.869	180.143	190.725
146.5	92.697	114.353	143.639	178.913	189.331
147.0	93.435	113.943	142.244	177.682	187.936
147.5	94.091	113.779	141.178	176.452	186.542
148.0	94.829	113.451	140.029	175.057	185.065
148.5	95.486	113.369	139.127	173.744	183.588
149.0	96.306	113.369	138.142	172.432	182.276
149.5	96.880	113.615	137.240	171.037	180.635
150.0	97.536	113.779	136.338	169.725	178.913
150.5	98.111	113.861	135.353	168.248	177.108
151.0	98.521	114.107	134.041	166.772	174.975
151.5	98.931	114.189	132.646	165.213	173.006
152.0	99.423	114.353	131.334	163.572	171.037
152.5	99.915	114.517	130.103	161.850	168.905
153.0	100.244	114.599	128.791	159.881	167.182
153.5	100.654	114.845	127.396	157.830	165.213
154.0	100.982	114.763	126.166	155.533	163.572
154.5	101.392	114.845	125.099	153.318	161.932
155.0	101.556	115.009	124.033	150.775	160.701
155.5	101.884	115.091	122.966	148.396	159.389
156.0	102.130	115.091	122.228	145.853	158.240
156.5	102.540	115.091	121.490	143.310	156.764
157.0	102.704	115.255	120.752	141.014	155.369
157.5	102.951	115.255	120.259	138.799	153.811
158.0	103.279	115.173	120.013	136.502	152.334
158.5	103.361	115.173	119.685	134.615	150.611
159.0	103.771	114.927	119.439	132.810	149.135
159.5	104.099	114.763	119.029	131.088	147.494
160.0	104.509	114.599	118.619	129.693	145.853
160.5	105.001	114.517	118.291	128.381	144.295
161.0	105.330	114.271	118.209	126.986	142.736
161.5	105.822	114.189	118.045	125.591	141.588
162.0	106.232	114.025	118.291	124.443	140.603
162.5	106.642	114.025	118.455	123.213	139.455
163.0	107.134	113.943	118.537	121.900	138.471
163.5	107.544	113.943	118.701	120.505	137.240
164.0	107.708	113.943	118.865	118.783	136.092
164.5	107.955	113.779	118.701	117.470	134.615
165.0	108.201	113.779	118.455	116.158	133.138
165.5	108.447	113.697	118.209	115.255	131.580
166.0	108.693	113.615	118.045	114.271	129.201
166.5	108.939	113.615	117.798	113.451	128.052

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L85-830-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

167.0	109.267	113.615	117.552	112.712	127.150
167.5	109.431	113.615	117.060	112.056	126.248
168.0	109.677	113.615	116.650	111.400	125.509
168.5	110.169	113.287	116.076	110.826	124.607
169.0	110.416	113.369	115.666	110.251	123.705
169.5	110.826	113.123	115.009	109.595	122.720
170.0	110.990	113.041	114.435	108.775	121.818
170.5	111.236	112.876	113.697	107.873	120.834
171.0	111.400	112.712	112.876	106.888	119.603
171.5	111.646	112.712	112.138	105.986	118.619
172.0	112.056	112.548	111.728	105.083	117.142
172.5	112.302	112.548	111.236	104.099	115.502
173.0	112.630	112.384	110.826	103.197	112.712
173.5	113.041	112.466	110.662	102.294	108.529
174.0	113.369	112.466	110.580	101.556	103.361
174.5	113.615	112.466	110.416	100.818	97.208
175.0	114.107	112.712	110.333	100.244	90.236
175.5	114.271	112.794	110.251	99.997	82.935
176.0	114.599	112.959	110.251	99.751	78.177
176.5	114.681	113.041	110.169	99.751	74.813
177.0	115.009	113.205	110.005	99.505	71.368
177.5	115.091	113.205	109.759	99.423	70.630
178.0	115.419	113.369	109.677	99.341	70.794
178.5	115.584	113.451	109.759	99.177	70.958
179.0	115.748	113.451	109.677	98.931	71.040
179.5	115.912	113.451	109.595	98.849	71.122
180.0	103.935	103.935	103.935	103.935	103.935

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L85-830-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	939.17	N.A.	11.70
0-30	1967.87	N.A.	24.50
0-40	3161.11	N.A.	39.40
0-60	5349.78	N.A.	66.70
0-80	6664.86	N.A.	83.10
0-90	6995.61	N.A.	87.30
10-90	6750.76	N.A.	84.20
20-40	2221.95	N.A.	27.70
20-50	3397.00	N.A.	42.40
40-70	2968.29	N.A.	37.00
60-80	1315.09	N.A.	16.40
70-80	535.46	N.A.	6.70
80-90	330.74	N.A.	4.10
90-110	386.31	N.A.	4.80
90-120	548.94	N.A.	6.80
90-130	698.62	N.A.	8.70
90-150	917.16	N.A.	11.40
90-180	1021.63	N.A.	12.70
110-180	635.32	N.A.	7.90
0-180	8017.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	244.84
10-20	694.32
20-30	1028.7
30-40	1193.24
40-50	1175.05
50-60	1013.61
60-70	779.63
70-80	535.46
80-90	330.74
90-100	211.91
100-110	174.40
110-120	162.63
120-130	149.68
130-140	125.78
140-150	92.76
150-160	60.65
160-170	33.42
170-180	10.41

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L85-830-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-L85-830-DIM-UNV_.IES

UGR TABLE - CORRECTED

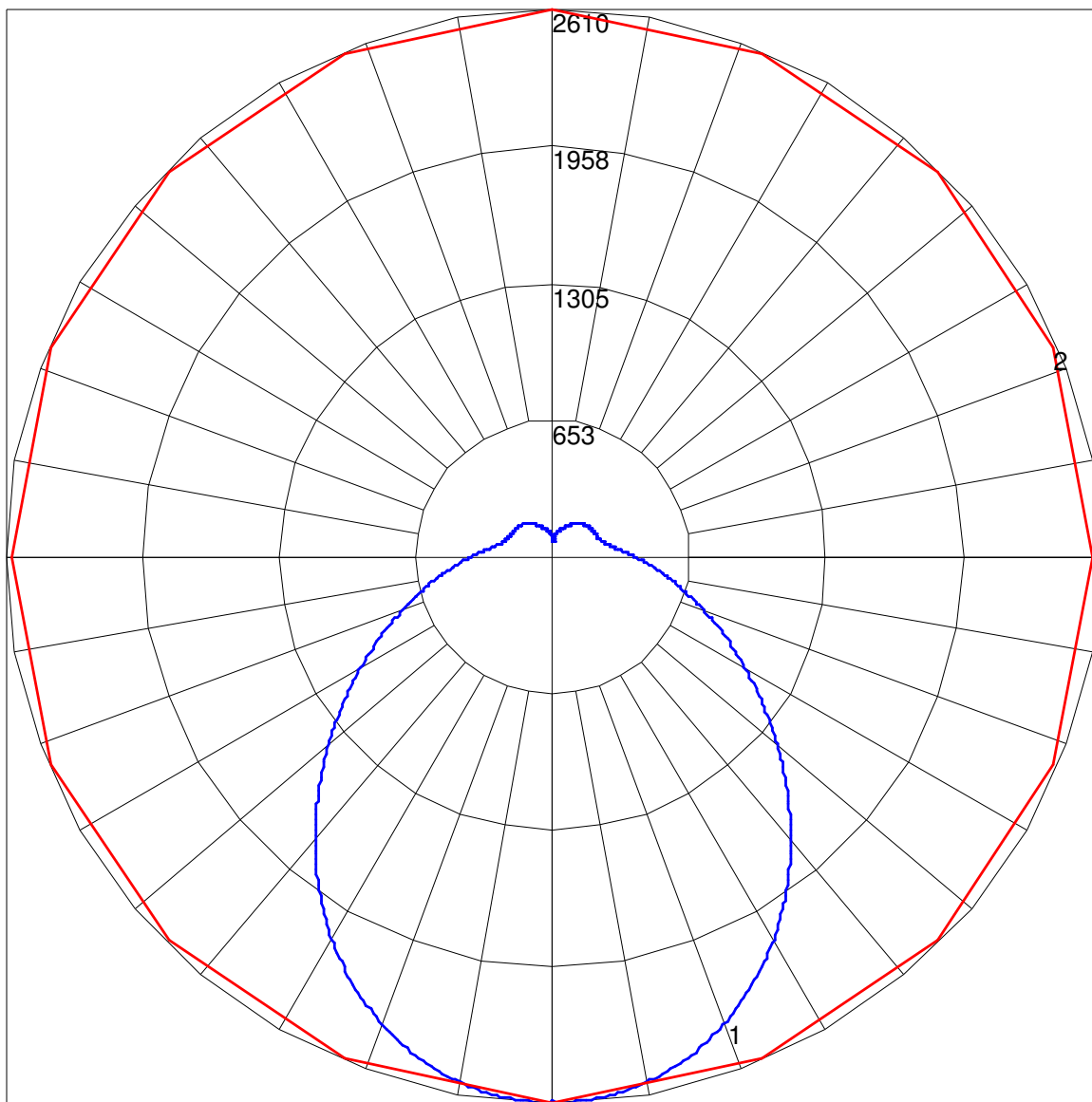
Reflectances

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	19.0	20.4	19.6	20.9	21.5	20.7	22.0	21.2	22.6	23.2
	3H	20.4	21.6	20.9	22.2	22.8	22.9	24.1	23.4	24.7	25.3
	4H	20.8	22.0	21.4	22.6	23.2	23.9	25.1	24.5	25.7	26.4
	6H	21.1	22.2	21.7	22.8	23.5	25.1	26.1	25.7	26.7	27.4
	8H	21.2	22.2	21.8	22.8	23.5	25.6	26.7	26.3	27.3	28.0
	12H	21.2	22.2	21.8	22.8	23.5	26.3	27.3	26.9	27.9	28.6
4H	2H	19.7	20.9	20.3	21.5	22.2	21.1	22.2	21.7	22.8	23.5
	3H	21.3	22.3	21.9	22.9	23.6	23.5	24.5	24.1	25.1	25.8
	4H	21.9	22.8	22.5	23.4	24.2	24.8	25.6	25.4	26.3	27.0
	6H	22.3	23.1	23.0	23.8	24.5	26.1	26.9	26.7	27.5	28.3
	8H	22.4	23.2	23.1	23.8	24.6	26.8	27.5	27.4	28.2	28.9
	12H	22.5	23.2	23.2	23.9	24.6	27.6	28.2	28.2	28.9	29.7
8H	4H	22.5	23.2	23.1	23.9	24.6	24.9	25.7	25.6	26.3	27.1
	6H	23.1	23.7	23.7	24.4	25.1	26.5	27.1	27.1	27.8	28.5
	8H	23.3	23.8	23.9	24.5	25.3	27.3	27.9	28.0	28.6	29.3
	12H	23.4	23.9	24.1	24.6	25.4	28.3	28.8	29.0	29.5	30.3
12H	4H	22.6	23.3	23.3	24.0	24.7	25.0	25.6	25.6	26.3	27.1
	6H	23.3	23.9	24.0	24.6	25.4	26.5	27.1	27.2	27.7	28.5
	8H	23.6	24.1	24.3	24.8	25.6	27.4	27.9	28.1	28.6	29.4

Maximum UGR = 30.3

POLAR GRAPH



Maximum Candela = 2610.269 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.)