

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L85-835-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-L85-835-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	8092
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	170
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	17755	15904	15747
55	15375	13615	13824
65	12924	11661	12320
75	10365	10187	11516
85	7603	10021	12167

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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	2618.950	2618.950	2618.950	2618.950	2618.950
0.5	2606.530	2616.466	2618.122	2617.294	2634.682
1.0	2606.530	2617.294	2617.294	2616.466	2633.854
1.5	2604.046	2617.294	2616.466	2615.638	2634.682
2.0	2603.218	2614.810	2616.466	2614.810	2632.198
2.5	2603.218	2614.810	2613.982	2613.982	2630.542
3.0	2600.734	2612.326	2612.326	2612.326	2628.886
3.5	2599.078	2609.842	2609.842	2610.670	2627.230
4.0	2597.422	2608.186	2608.186	2607.358	2625.574
4.5	2593.282	2605.702	2606.530	2605.702	2623.090
5.0	2590.798	2603.218	2603.218	2603.218	2620.606
5.5	2587.486	2599.906	2599.906	2600.734	2617.294
6.0	2585.830	2595.766	2596.594	2596.594	2613.982
6.5	2580.034	2592.454	2593.282	2593.282	2609.842
7.0	2576.722	2588.314	2589.142	2588.314	2606.530
7.5	2573.410	2583.346	2585.002	2585.002	2602.390
8.0	2569.270	2580.034	2580.034	2580.034	2596.594
8.5	2565.130	2574.238	2575.894	2575.894	2591.626
9.0	2558.506	2570.098	2570.926	2570.098	2585.830
9.5	2554.366	2564.302	2564.302	2564.302	2582.518
10.0	2547.742	2557.678	2557.678	2559.334	2575.894
10.5	2541.946	2551.882	2552.710	2552.710	2570.098
11.0	2536.150	2546.086	2546.914	2546.086	2563.474
11.5	2528.698	2539.462	2541.118	2539.462	2557.678
12.0	2522.074	2532.010	2533.666	2533.666	2550.226
12.5	2515.450	2524.558	2527.042	2525.386	2543.602
13.0	2507.998	2517.934	2519.590	2518.762	2536.150
13.5	2500.546	2509.654	2511.310	2511.310	2529.526
14.0	2491.438	2501.374	2503.030	2503.030	2520.418
14.5	2483.986	2493.094	2494.750	2494.750	2513.794
15.0	2476.534	2484.814	2485.642	2485.642	2503.858
15.5	2467.427	2474.878	2477.362	2477.362	2493.922
16.0	2457.491	2465.771	2468.255	2468.255	2485.642
16.5	2449.211	2455.835	2458.319	2459.147	2476.534
17.0	2437.619	2445.071	2448.383	2449.211	2466.599
17.5	2427.683	2435.135	2438.447	2439.275	2456.663
18.0	2418.575	2425.199	2427.683	2430.167	2447.555
18.5	2407.811	2415.263	2417.747	2419.403	2436.791
19.0	2397.047	2402.843	2406.983	2408.639	2425.199
19.5	2384.627	2392.907	2396.219	2399.531	2414.435
20.0	2371.379	2380.487	2384.627	2387.111	2402.843
20.5	2358.131	2369.723	2373.035	2376.347	2392.079
21.0	2347.367	2356.475	2358.959	2365.583	2380.487
21.5	2334.947	2344.055	2348.195	2351.507	2368.067
22.0	2321.699	2332.463	2336.603	2339.915	2357.303
22.5	2310.107	2317.559	2323.355	2328.323	2344.883
23.0	2296.031	2304.311	2310.107	2315.075	2331.635
23.5	2281.128	2290.235	2297.687	2302.655	2319.215
24.0	2266.224	2276.160	2283.612	2289.407	2305.967
24.5	2253.804	2262.084	2270.364	2275.332	2291.063
25.0	2239.728	2248.008	2257.116	2262.084	2277.816
25.5	2223.996	2233.932	2241.384	2248.836	2262.084
26.0	2209.092	2218.200	2228.136	2234.760	2249.664
26.5	2193.360	2202.468	2214.060	2219.856	2235.588

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**CANDELA TABULATION - (Cont.)**

27.0	2177.628	2185.908	2199.984	2207.436	2221.512
27.5	2159.412	2170.176	2184.252	2190.876	2207.436
28.0	2146.164	2154.444	2168.520	2175.972	2191.704
28.5	2128.776	2138.712	2152.788	2160.240	2175.972
29.0	2112.216	2122.152	2136.228	2145.336	2161.068
29.5	2094.829	2104.765	2119.668	2128.776	2144.508
30.0	2077.441	2088.205	2103.109	2114.700	2130.432
30.5	2059.225	2069.989	2087.377	2098.969	2113.872
31.0	2041.837	2052.601	2069.989	2082.409	2096.485
31.5	2023.621	2036.041	2053.429	2066.677	2081.581
32.0	2006.233	2016.997	2036.869	2049.289	2064.193
32.5	1987.189	1998.781	2019.481	2032.729	2047.633
33.0	1968.973	1981.393	2000.437	2016.169	2031.073
33.5	1951.585	1963.177	1983.877	1997.953	2013.685
34.0	1930.885	1944.133	1965.661	1981.393	1997.953
34.5	1911.842	1925.917	1948.273	1963.177	1979.737
35.0	1894.454	1906.046	1930.885	1946.617	1962.349
35.5	1872.098	1887.830	1911.842	1928.401	1944.133
36.0	1854.710	1867.958	1893.626	1910.186	1926.745
36.5	1833.182	1848.086	1874.582	1892.798	1910.186
37.0	1813.310	1829.042	1855.538	1873.754	1892.798
37.5	1792.610	1808.342	1837.322	1857.194	1873.754
38.0	1771.910	1788.470	1817.450	1838.150	1853.882
38.5	1750.382	1767.770	1798.406	1820.762	1835.666
39.0	1731.339	1747.070	1778.534	1801.718	1820.762
39.5	1709.811	1728.027	1759.490	1782.674	1800.890
40.0	1686.627	1706.499	1739.619	1765.286	1781.846
40.5	1665.099	1685.799	1720.575	1747.070	1763.630
41.0	1645.227	1665.099	1700.703	1728.027	1744.586
41.5	1623.699	1644.399	1680.831	1708.983	1726.371
42.0	1602.171	1623.699	1660.959	1690.767	1708.155
42.5	1581.471	1602.171	1640.259	1671.723	1689.111
43.0	1558.287	1581.471	1621.215	1653.507	1670.895
43.5	1538.416	1559.943	1600.515	1634.463	1652.679
44.0	1516.060	1538.416	1579.815	1616.247	1633.635
44.5	1495.360	1517.716	1559.115	1596.375	1614.591
45.0	1473.832	1496.188	1539.244	1578.987	1597.203
45.5	1452.304	1475.488	1519.372	1560.771	1578.987
46.0	1430.776	1453.960	1497.844	1540.900	1559.943
46.5	1409.248	1432.432	1479.628	1524.340	1541.728
47.0	1386.892	1411.732	1458.928	1504.468	1523.512
47.5	1365.365	1390.204	1438.228	1485.424	1504.468
48.0	1344.665	1368.677	1417.528	1468.036	1485.424
48.5	1321.481	1347.977	1398.484	1448.164	1467.208
49.0	1300.781	1325.621	1376.956	1429.120	1448.164
49.5	1279.253	1304.921	1357.085	1410.904	1429.948
50.0	1256.897	1283.393	1337.213	1391.032	1410.904
50.5	1236.197	1262.693	1316.513	1374.472	1393.516
51.0	1214.669	1241.165	1298.297	1355.429	1375.300
51.5	1193.969	1219.637	1277.597	1337.213	1357.085
52.0	1171.614	1198.937	1257.725	1318.169	1338.869
52.5	1150.086	1177.410	1238.681	1299.125	1321.481
53.0	1127.730	1156.710	1218.809	1282.565	1302.437
53.5	1106.202	1136.010	1199.765	1263.521	1285.049
54.0	1085.502	1115.310	1180.722	1245.305	1267.661
54.5	1065.630	1093.782	1161.678	1228.745	1250.273

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**CANDELA TABULATION - (Cont.)**

55.0	1044.930	1073.910	1142.634	1209.701	1234.541
55.5	1027.542	1053.210	1123.590	1192.313	1215.497
56.0	1007.670	1034.994	1105.374	1174.926	1198.109
56.5	986.971	1015.950	1086.330	1157.538	1181.550
57.0	967.099	996.907	1068.114	1140.150	1164.162
57.5	946.399	977.035	1052.382	1123.590	1145.118
58.0	925.699	957.163	1034.166	1105.374	1131.042
58.5	905.827	937.291	1015.950	1089.642	1114.482
59.0	885.955	917.419	998.563	1075.566	1097.094
59.5	866.083	898.375	982.831	1058.178	1083.846
60.0	846.211	878.503	965.443	1041.618	1067.286
60.5	826.753	859.459	948.055	1025.886	1050.726
61.0	807.213	840.415	930.667	1010.154	1034.994
61.5	787.838	821.537	913.279	994.423	1020.090
62.0	768.794	802.824	896.719	979.519	1004.359
62.5	749.998	784.277	879.331	964.615	989.455
63.0	730.954	765.813	862.771	948.883	976.207
63.5	712.076	747.597	847.039	933.979	961.303
64.0	693.695	729.630	830.479	918.247	946.399
64.5	675.396	712.076	814.748	903.343	931.495
65.0	657.263	694.440	798.933	888.439	917.419
65.5	639.378	677.218	783.284	873.535	902.515
66.0	621.245	659.995	767.800	858.631	888.439
66.5	603.526	643.187	752.399	844.555	874.363
67.0	586.221	626.544	737.082	829.651	860.287
67.5	568.833	610.150	722.095	815.741	846.211
68.0	551.693	594.170	707.191	801.665	832.963
68.5	534.802	578.272	692.618	788.003	819.136
69.0	517.994	562.540	678.211	774.259	806.054
69.5	501.434	547.139	663.970	760.928	793.054
70.0	484.957	531.987	649.976	747.846	780.137
70.5	468.894	517.000	635.983	734.763	767.386
71.0	452.996	502.179	622.239	721.846	754.801
71.5	437.264	487.689	608.825	709.261	742.381
72.0	421.864	473.117	595.412	696.758	730.292
72.5	406.380	459.041	582.329	684.504	718.286
73.0	391.311	445.048	569.330	672.415	706.197
73.5	376.655	431.220	556.744	660.409	694.440
74.0	362.165	417.807	543.993	648.817	682.599
74.5	347.924	404.310	531.821	637.308	671.422
75.0	333.765	391.145	519.733	626.047	660.575
75.5	319.855	378.311	507.810	614.869	649.562
76.0	306.358	365.726	496.218	603.774	638.799
76.5	292.945	353.306	484.709	592.928	628.035
77.0	279.697	340.969	473.365	582.164	617.602
77.5	266.697	328.963	462.187	571.731	607.252
78.0	253.863	317.205	451.340	561.464	597.068
78.5	241.278	305.613	440.576	551.114	586.966
79.0	228.941	294.352	430.144	541.095	577.030
79.5	216.686	283.174	419.877	531.325	567.094
80.0	204.598	272.162	409.609	521.637	557.655
80.5	192.840	261.481	399.673	511.867	548.050
81.0	181.414	250.965	390.151	502.428	538.694
81.5	169.822	240.698	380.630	493.071	529.338
82.0	158.644	230.680	371.356	484.046	520.312
82.5	147.714	220.826	362.248	475.021	511.453

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**CANDELA TABULATION - (Cont.)**

83.0	136.950	211.222	353.306	466.327	502.842
83.5	126.269	201.865	344.777	457.468	493.899
84.0	115.837	192.757	336.497	449.105	485.371
84.5	105.487	183.981	328.383	440.825	477.008
85.0	95.551	175.452	320.434	432.628	468.645
85.5	85.615	167.338	312.651	424.679	460.531
86.0	75.844	159.555	305.034	416.896	452.500
86.5	66.157	152.268	297.830	409.113	444.468
87.0	56.635	145.230	290.544	401.743	436.602
87.5	47.113	138.689	283.671	394.291	429.067
88.0	37.674	132.314	276.882	387.088	421.450
88.5	28.152	126.352	270.341	379.967	414.081
89.0	19.458	120.722	264.131	373.095	406.794
89.5	12.337	115.505	258.086	366.471	399.673
90.0	7.369	110.869	252.539	360.178	393.132
90.5	5.216	106.811	247.405	353.885	386.177
91.0	5.548	103.085	242.189	347.510	379.553
91.5	6.624	99.525	236.972	341.465	372.929
92.0	7.866	96.544	232.004	335.338	366.471
92.5	9.191	93.977	227.782	329.459	360.095
93.0	10.516	91.742	223.393	323.912	353.968
93.5	11.923	90.003	219.253	318.447	348.172
94.0	13.414	88.513	215.362	313.313	342.542
94.5	14.821	87.436	211.718	308.097	336.746
95.0	16.229	86.608	208.324	302.964	331.198
95.5	17.554	86.029	205.177	298.078	325.733
96.0	18.630	85.780	202.445	293.359	320.351
96.5	19.706	85.780	199.713	288.970	315.383
97.0	20.700	85.863	197.229	284.748	310.416
97.5	21.776	86.194	194.910	280.690	305.862
98.0	22.687	86.526	192.840	276.716	301.225
98.5	23.763	86.940	191.101	272.907	296.919
99.0	24.840	87.436	189.280	269.347	292.696
99.5	25.999	88.016	187.707	265.952	288.556
100.0	26.993	88.596	186.465	262.806	284.830
100.5	28.152	89.258	185.223	259.742	281.022
101.0	29.145	89.920	184.312	256.844	277.627
101.5	30.139	90.583	183.401	254.112	274.149
102.0	31.050	91.245	182.739	251.545	271.086
102.5	31.961	91.907	182.076	249.144	268.022
103.0	32.871	92.653	181.579	246.743	265.290
103.5	33.865	93.398	181.165	244.673	262.475
104.0	34.941	94.060	180.751	242.768	259.908
104.5	36.018	94.805	180.503	240.947	257.507
105.0	37.011	95.551	180.255	239.291	255.188
105.5	37.922	96.213	180.006	237.552	253.201
106.0	38.999	97.041	179.923	236.062	251.214
106.5	39.992	97.786	179.923	234.654	249.227
107.0	40.986	98.614	179.923	233.329	247.571
107.5	41.897	99.277	179.923	232.336	245.832
108.0	43.056	100.105	179.923	231.176	244.093
108.5	44.132	100.933	180.006	230.348	242.934
109.0	45.209	101.595	180.172	229.272	241.775
109.5	46.368	102.340	180.255	228.527	240.533
110.0	47.527	103.085	180.420	227.699	239.539
110.5	48.686	103.831	180.586	226.954	238.628

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**CANDELA TABULATION - (Cont.)**

111.0	49.845	104.576	180.669	226.291	237.635
111.5	51.005	105.238	180.751	225.794	236.807
112.0	52.247	105.983	180.917	225.298	235.813
112.5	53.489	106.729	181.083	224.718	234.902
113.0	54.813	107.474	181.331	224.304	234.488
113.5	56.055	108.136	181.331	223.890	233.909
114.0	57.380	108.799	181.497	223.559	233.329
114.5	58.622	109.544	181.662	223.145	232.832
115.0	59.947	110.123	181.828	222.896	232.418
115.5	61.272	110.869	181.828	222.648	232.004
116.0	62.514	111.531	182.076	222.317	231.508
116.5	63.673	112.193	182.242	221.986	231.342
117.0	64.998	112.939	182.407	221.986	230.928
117.5	66.240	113.518	182.573	221.654	230.680
118.0	67.316	114.098	182.739	221.489	230.348
118.5	68.558	114.677	182.821	221.240	230.266
119.0	69.634	115.257	182.987	220.992	229.769
119.5	70.794	115.671	183.153	220.744	229.686
120.0	71.870	116.085	183.070	220.578	229.272
120.5	72.946	116.582	183.153	220.247	229.189
121.0	74.023	116.913	183.318	219.998	228.858
121.5	75.182	117.327	183.235	219.667	228.692
122.0	76.258	117.824	183.235	219.502	228.444
122.5	77.335	118.321	183.318	219.170	227.864
123.0	78.411	118.817	183.235	218.839	227.782
123.5	79.405	119.231	183.070	218.591	227.285
124.0	80.233	119.563	183.070	218.342	227.202
124.5	81.061	119.894	183.070	217.928	226.871
125.0	81.889	120.308	182.904	217.514	226.540
125.5	82.717	120.556	182.739	217.266	226.126
126.0	83.462	120.887	182.656	216.769	225.794
126.5	84.124	121.301	182.490	216.438	225.546
127.0	84.870	121.467	182.325	216.024	225.215
127.5	85.449	121.715	182.076	215.610	224.635
128.0	86.194	121.715	181.993	215.113	224.304
128.5	86.774	121.881	181.662	214.699	223.973
129.0	87.354	122.047	181.331	214.285	223.559
129.5	87.850	122.295	180.751	213.623	223.062
130.0	88.264	122.461	180.172	213.209	222.565
130.5	88.678	122.626	179.509	212.712	221.986
131.0	88.927	122.875	178.847	211.967	221.406
131.5	89.258	123.123	178.185	211.304	220.826
132.0	89.589	123.371	177.439	210.890	220.330
132.5	89.755	123.454	176.611	210.062	219.584
133.0	90.003	123.537	176.280	209.317	218.674
133.5	90.086	123.454	175.783	208.738	218.260
134.0	90.169	123.289	175.452	208.075	217.680
134.5	90.417	122.957	175.038	207.330	216.604
135.0	90.666	122.709	174.541	206.336	215.776
135.5	90.583	122.047	174.127	205.674	215.113
136.0	90.748	121.964	173.548	204.846	214.285
136.5	90.914	121.715	173.134	203.935	213.457
137.0	90.997	121.301	172.471	203.190	212.546
137.5	91.080	120.887	171.892	202.196	211.718
138.0	91.245	120.639	171.064	201.369	210.725
138.5	91.245	120.308	169.987	200.458	209.980

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L85-835-HE-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

139.0	91.162	120.059	168.745	199.381	208.820
139.5	91.162	119.728	167.255	198.222	207.992
140.0	91.162	119.314	165.599	197.146	206.833
140.5	91.162	119.066	164.109	195.821	205.591
141.0	91.162	118.900	162.453	194.413	204.598
141.5	91.162	118.569	160.797	193.171	203.604
142.0	91.080	118.403	159.224	191.598	202.528
142.5	90.997	118.155	157.568	190.191	201.286
143.0	90.914	117.907	155.994	188.866	200.044
143.5	90.914	117.575	154.173	187.458	198.885
144.0	90.914	117.161	152.600	186.382	197.560
144.5	91.162	116.830	151.026	185.140	196.401
145.0	91.494	116.499	149.288	184.063	195.076
145.5	92.073	116.085	147.714	182.987	193.751
146.0	92.818	115.754	146.224	181.828	192.509
146.5	93.563	115.423	144.982	180.586	191.101
147.0	94.309	115.009	143.574	179.344	189.694
147.5	94.971	114.843	142.498	178.102	188.286
148.0	95.716	114.512	141.339	176.694	186.796
148.5	96.379	114.429	140.428	175.369	185.305
149.0	97.207	114.429	139.434	174.045	183.981
149.5	97.786	114.677	138.524	172.637	182.325
150.0	98.449	114.843	137.613	171.312	180.586
150.5	99.028	114.926	136.619	169.822	178.764
151.0	99.442	115.174	135.294	168.331	176.611
151.5	99.856	115.257	133.887	166.758	174.624
152.0	100.353	115.423	132.562	165.102	172.637
152.5	100.850	115.588	131.320	163.364	170.484
153.0	101.181	115.671	129.995	161.376	168.745
153.5	101.595	115.919	128.588	159.306	166.758
154.0	101.926	115.837	127.346	156.988	165.102
154.5	102.340	115.919	126.269	154.752	163.446
155.0	102.506	116.085	125.193	152.186	162.204
155.5	102.837	116.168	124.117	149.784	160.880
156.0	103.085	116.168	123.371	147.218	159.720
156.5	103.499	116.168	122.626	144.651	158.230
157.0	103.665	116.333	121.881	142.332	156.822
157.5	103.913	116.333	121.384	140.097	155.249
158.0	104.245	116.251	121.136	137.778	153.759
158.5	104.327	116.251	120.805	135.874	152.020
159.0	104.741	116.002	120.556	134.052	150.530
159.5	105.073	115.837	120.142	132.314	148.874
160.0	105.487	115.671	119.728	130.906	147.218
160.5	105.983	115.588	119.397	129.581	145.644
161.0	106.315	115.340	119.314	128.174	144.071
161.5	106.811	115.257	119.149	126.766	142.912
162.0	107.225	115.091	119.397	125.607	141.918
162.5	107.639	115.091	119.563	124.365	140.759
163.0	108.136	115.009	119.645	123.040	139.766
163.5	108.550	115.009	119.811	121.633	138.524
164.0	108.716	115.009	119.977	119.894	137.364
164.5	108.964	114.843	119.811	118.569	135.874
165.0	109.213	114.843	119.563	117.244	134.384
165.5	109.461	114.760	119.314	116.333	132.810
166.0	109.709	114.677	119.149	115.340	130.409
166.5	109.958	114.677	118.900	114.512	129.250

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L85-835-HE-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

167.0	110.289	114.677	118.652	113.767	128.339
167.5	110.455	114.677	118.155	113.104	127.429
168.0	110.703	114.677	117.741	112.442	126.683
168.5	111.200	114.346	117.161	111.862	125.773
169.0	111.448	114.429	116.747	111.283	124.862
169.5	111.862	114.181	116.085	110.620	123.868
170.0	112.028	114.098	115.505	109.792	122.957
170.5	112.276	113.932	114.760	108.881	121.964
171.0	112.442	113.767	113.932	107.888	120.722
171.5	112.690	113.767	113.187	106.977	119.728
172.0	113.104	113.601	112.773	106.066	118.238
172.5	113.353	113.601	112.276	105.073	116.582
173.0	113.684	113.435	111.862	104.162	113.767
173.5	114.098	113.518	111.697	103.251	109.544
174.0	114.429	113.518	111.614	102.506	104.327
174.5	114.677	113.518	111.448	101.761	98.117
175.0	115.174	113.767	111.365	101.181	91.080
175.5	115.340	113.849	111.283	100.933	83.710
176.0	115.671	114.015	111.283	100.684	78.908
176.5	115.754	114.098	111.200	100.684	75.513
177.0	116.085	114.263	111.034	100.436	72.036
177.5	116.168	114.263	110.786	100.353	71.290
178.0	116.499	114.429	110.703	100.270	71.456
178.5	116.665	114.512	110.786	100.105	71.622
179.0	116.830	114.512	110.703	99.856	71.704
179.5	116.996	114.512	110.620	99.773	71.787
180.0	104.907	104.907	104.907	104.907	104.907



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L85-835-HE-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	947.95	N.A.	11.70
0-30	1986.28	N.A.	24.50
0-40	3190.68	N.A.	39.40
0-60	5399.81	N.A.	66.70
0-80	6727.2	N.A.	83.10
0-90	7061.03	N.A.	87.30
10-90	6813.9	N.A.	84.20
20-40	2242.73	N.A.	27.70
20-50	3428.77	N.A.	42.40
40-70	2996.05	N.A.	37.00
60-80	1327.39	N.A.	16.40
70-80	540.46	N.A.	6.70
80-90	333.84	N.A.	4.10
90-110	389.92	N.A.	4.80
90-120	554.08	N.A.	6.80
90-130	705.15	N.A.	8.70
90-150	925.74	N.A.	11.40
90-180	1031.19	N.A.	12.70
110-180	641.26	N.A.	7.90
0-180	8092.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	247.13
10-20	700.82
20-30	1038.33
30-40	1204.4
40-50	1186.04
50-60	1023.09
60-70	786.92
70-80	540.46
80-90	333.84
90-100	213.89
100-110	176.03
110-120	164.15
120-130	151.08
130-140	126.96
140-150	93.63
150-160	61.22
160-170	33.73
170-180	10.51

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L85-835-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

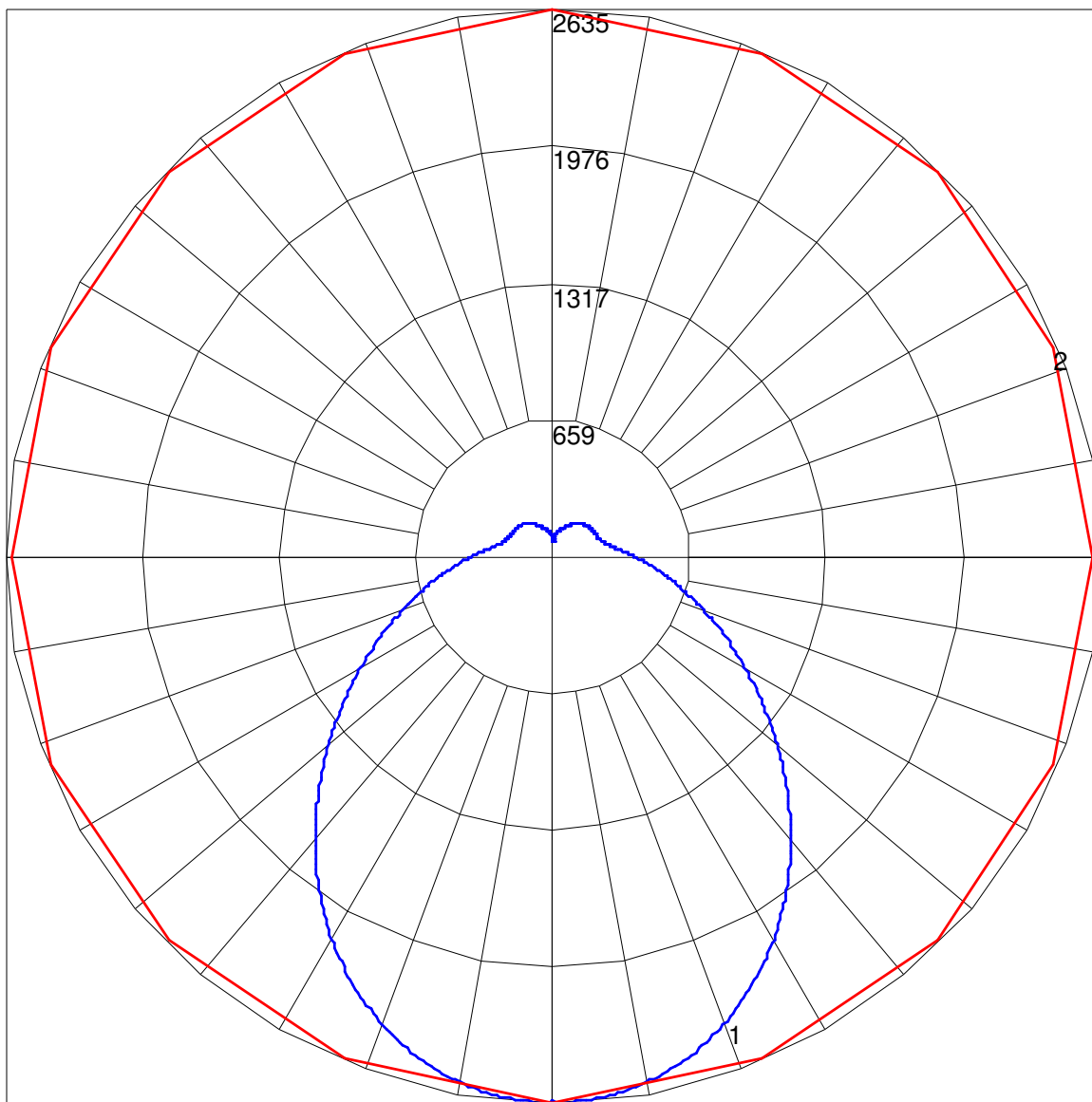
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L85-835-HE-DIM-UNV\_.IES**

**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	19.1	20.5	19.7	21.0	21.6	20.8	22.1	21.3	22.7	23.3
	3H	20.5	21.7	21.0	22.3	22.9	23.0	24.2	23.5	24.8	25.4
	4H	20.9	22.1	21.5	22.7	23.3	24.0	25.2	24.6	25.8	26.5
	6H	21.2	22.3	21.8	22.9	23.6	25.2	26.2	25.8	26.8	27.5
	8H	21.3	22.3	21.9	22.9	23.6	25.7	26.8	26.4	27.4	28.1
	12H	21.3	22.3	21.9	22.9	23.6	26.4	27.4	27.0	28.0	28.7
4H	2H	19.8	21.0	20.4	21.6	22.3	21.2	22.3	21.8	22.9	23.6
	3H	21.4	22.4	22.0	23.0	23.7	23.6	24.6	24.2	25.2	25.9
	4H	22.0	22.9	22.6	23.5	24.3	24.9	25.7	25.5	26.4	27.1
	6H	22.4	23.2	23.1	23.9	24.6	26.2	27.0	26.8	27.6	28.4
	8H	22.5	23.3	23.2	23.9	24.7	26.9	27.6	27.5	28.3	29.0
	12H	22.6	23.3	23.3	24.0	24.7	27.7	28.3	28.3	29.0	29.8
8H	4H	22.6	23.3	23.2	24.0	24.7	25.0	25.8	25.7	26.4	27.2
	6H	23.2	23.8	23.8	24.5	25.2	26.6	27.2	27.2	27.9	28.6
	8H	23.4	23.9	24.0	24.6	25.4	27.4	28.0	28.1	28.7	29.4
	12H	23.5	24.0	24.2	24.7	25.5	28.4	28.9	29.1	29.6	30.4
12H	4H	22.7	23.4	23.4	24.1	24.8	25.1	25.7	25.7	26.4	27.2
	6H	23.4	24.0	24.1	24.7	25.5	26.6	27.2	27.3	27.8	28.6
	8H	23.7	24.2	24.4	24.9	25.7	27.5	28.0	28.2	28.7	29.5

Maximum UGR = 30.4

POLAR GRAPH



Maximum Candela = 2634.682 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.)