

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L85-827-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-L85-827-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	7849
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	165
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	17223	15427	15275
55	14914	13207	13410
65	12537	11311	11951
75	10054	9881	11170
85	7375	9720	11802

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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	2540.382	2540.382	2540.382	2540.382	2540.382
0.5	2528.334	2537.972	2539.578	2538.775	2555.642
1.0	2528.334	2538.775	2538.775	2537.972	2554.838
1.5	2525.925	2538.775	2537.972	2537.169	2555.642
2.0	2525.122	2536.366	2537.972	2536.366	2553.232
2.5	2525.122	2536.366	2535.563	2535.563	2551.626
3.0	2522.712	2533.956	2533.956	2533.956	2550.019
3.5	2521.106	2531.547	2531.547	2532.350	2548.413
4.0	2519.499	2529.941	2529.941	2529.137	2546.807
4.5	2515.484	2527.531	2528.334	2527.531	2544.397
5.0	2513.074	2525.122	2525.122	2525.122	2541.988
5.5	2509.862	2521.909	2521.909	2522.712	2538.775
6.0	2508.255	2517.893	2518.696	2518.696	2535.563
6.5	2502.633	2514.681	2515.484	2515.484	2531.547
7.0	2499.421	2510.665	2511.468	2510.665	2528.334
7.5	2496.208	2505.846	2507.452	2507.452	2524.318
8.0	2492.192	2502.633	2502.633	2502.633	2518.696
8.5	2488.176	2497.011	2498.617	2498.617	2513.877
9.0	2481.751	2492.995	2493.799	2492.995	2508.255
9.5	2477.735	2487.373	2487.373	2487.373	2505.043
10.0	2471.310	2480.948	2480.948	2482.554	2498.617
10.5	2465.688	2475.326	2476.129	2476.129	2492.995
11.0	2460.066	2469.704	2470.507	2469.704	2486.570
11.5	2452.838	2463.279	2464.885	2463.279	2480.948
12.0	2446.412	2456.050	2457.657	2457.657	2473.720
12.5	2439.987	2448.822	2451.231	2449.625	2467.294
13.0	2432.759	2442.397	2444.003	2443.200	2460.066
13.5	2425.530	2434.365	2435.971	2435.971	2453.641
14.0	2416.696	2426.333	2427.940	2427.940	2444.806
14.5	2409.467	2418.302	2419.908	2419.908	2438.381
15.0	2402.239	2410.270	2411.073	2411.073	2428.743
15.5	2393.404	2400.632	2403.042	2403.042	2419.105
16.0	2383.766	2391.798	2394.207	2394.207	2411.073
16.5	2375.735	2382.160	2384.569	2385.372	2402.239
17.0	2364.490	2371.719	2374.931	2375.735	2392.601
17.5	2354.853	2362.081	2365.294	2366.097	2382.963
18.0	2346.018	2352.443	2354.853	2357.262	2374.128
18.5	2335.577	2342.805	2345.215	2346.821	2363.687
19.0	2325.136	2330.758	2334.774	2336.380	2352.443
19.5	2313.088	2321.120	2324.333	2327.545	2342.002
20.0	2300.238	2309.073	2313.088	2315.498	2330.758
20.5	2287.387	2298.632	2301.844	2305.057	2320.317
21.0	2276.946	2285.781	2288.191	2294.616	2309.073
21.5	2264.899	2273.734	2277.750	2280.962	2297.025
22.0	2252.049	2262.490	2266.505	2269.718	2286.584
22.5	2240.804	2248.033	2253.655	2258.474	2274.537
23.0	2227.151	2235.182	2240.804	2245.623	2261.687
23.5	2212.694	2221.529	2228.757	2233.576	2249.639
24.0	2198.237	2207.875	2215.103	2220.726	2236.789
24.5	2186.190	2194.221	2202.253	2207.072	2222.332
25.0	2172.536	2180.568	2189.402	2194.221	2209.481
25.5	2157.276	2166.914	2174.143	2181.371	2194.221
26.0	2142.819	2151.654	2161.292	2167.717	2182.174
26.5	2127.560	2136.394	2147.638	2153.260	2168.520

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**CANDELA TABULATION - (Cont.)**

27.0	2112.300	2120.331	2133.985	2141.213	2154.867
27.5	2094.630	2105.071	2118.725	2125.150	2141.213
28.0	2081.780	2089.811	2103.465	2110.693	2125.953
28.5	2064.913	2074.551	2088.205	2095.433	2110.693
29.0	2048.850	2058.488	2072.142	2080.976	2096.236
29.5	2031.984	2041.622	2056.079	2064.913	2080.173
30.0	2015.118	2025.559	2040.016	2051.260	2066.520
30.5	1997.448	2007.889	2024.756	2036.000	2050.457
31.0	1980.582	1991.023	2007.889	2019.937	2033.590
31.5	1962.913	1974.960	1991.826	2004.677	2019.133
32.0	1946.046	1956.487	1975.763	1987.810	2002.267
32.5	1927.574	1938.818	1958.897	1971.747	1986.204
33.0	1909.904	1921.952	1940.424	1955.684	1970.141
33.5	1893.038	1904.282	1924.361	1938.015	1953.275
34.0	1872.959	1885.810	1906.692	1921.952	1938.015
34.5	1854.487	1868.140	1889.825	1904.282	1920.345
35.0	1837.620	1848.864	1872.959	1888.219	1903.479
35.5	1815.935	1831.195	1854.487	1870.550	1885.810
36.0	1799.069	1811.919	1836.817	1852.880	1868.943
36.5	1778.187	1792.644	1818.345	1836.014	1852.880
37.0	1758.911	1774.171	1799.872	1817.541	1836.014
37.5	1738.832	1754.092	1782.203	1801.478	1817.541
38.0	1718.753	1734.816	1762.927	1783.006	1798.266
38.5	1697.871	1714.737	1744.454	1766.139	1780.596
39.0	1679.399	1694.659	1725.178	1747.667	1766.139
39.5	1658.517	1676.186	1706.706	1729.194	1746.864
40.0	1636.028	1655.304	1687.430	1712.328	1728.391
40.5	1615.146	1635.225	1668.958	1694.659	1710.722
41.0	1595.870	1615.146	1649.682	1676.186	1692.249
41.5	1574.988	1595.067	1630.406	1657.713	1674.580
42.0	1554.106	1574.988	1611.130	1640.044	1656.910
42.5	1534.027	1554.106	1591.051	1621.571	1638.438
43.0	1511.539	1534.027	1572.579	1603.902	1620.768
43.5	1492.263	1513.145	1552.500	1585.429	1603.099
44.0	1470.578	1492.263	1532.421	1567.760	1584.626
44.5	1450.499	1472.184	1512.342	1548.484	1566.154
45.0	1429.617	1451.302	1493.066	1531.618	1549.287
45.5	1408.735	1431.223	1473.791	1513.949	1531.618
46.0	1387.853	1410.341	1452.909	1494.673	1513.145
46.5	1366.971	1389.459	1435.239	1478.610	1495.476
47.0	1345.286	1369.381	1415.160	1459.334	1477.807
47.5	1324.404	1348.498	1395.081	1440.861	1459.334
48.0	1304.325	1327.616	1375.003	1423.995	1440.861
48.5	1281.837	1307.538	1356.530	1404.719	1423.192
49.0	1261.758	1285.852	1335.648	1386.247	1404.719
49.5	1240.876	1265.773	1316.372	1368.577	1387.050
50.0	1219.190	1244.891	1297.096	1349.302	1368.577
50.5	1199.111	1224.812	1277.018	1333.238	1351.711
51.0	1178.229	1203.930	1259.348	1314.766	1334.042
51.5	1158.151	1183.048	1239.269	1297.096	1316.372
52.0	1136.465	1162.969	1219.994	1278.624	1298.703
52.5	1115.583	1142.087	1201.521	1260.151	1281.837
53.0	1093.898	1122.009	1182.245	1244.088	1263.364
53.5	1073.016	1101.930	1163.773	1225.616	1246.498
54.0	1052.937	1081.851	1145.300	1207.946	1229.631
54.5	1033.661	1060.969	1126.827	1191.883	1212.765

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**CANDELA TABULATION - (Cont.)**

55.0	1013.583	1041.693	1108.355	1173.411	1197.505
55.5	996.716	1021.614	1089.882	1156.544	1179.033
56.0	977.441	1003.945	1072.213	1139.678	1162.166
56.5	957.362	985.472	1053.740	1122.812	1146.103
57.0	938.086	966.999	1036.071	1105.945	1129.237
57.5	918.007	947.724	1020.811	1089.882	1110.764
58.0	897.928	928.448	1003.141	1072.213	1097.111
58.5	878.652	909.172	985.472	1056.953	1081.048
59.0	859.377	889.897	968.606	1043.299	1064.181
59.5	840.101	871.424	953.346	1026.433	1051.331
60.0	820.825	852.148	936.480	1010.370	1035.268
60.5	801.951	833.676	919.613	995.110	1019.205
61.0	782.997	815.203	902.747	979.850	1003.945
61.5	764.203	796.891	885.881	964.590	989.488
62.0	745.730	778.740	869.818	950.133	974.228
62.5	727.498	760.749	852.951	935.676	959.771
63.0	709.026	742.839	836.888	920.416	946.921
63.5	690.714	725.169	821.628	905.960	932.464
64.0	672.884	707.741	805.565	890.700	918.007
64.5	655.134	690.714	790.305	876.243	903.550
65.0	637.545	673.607	774.965	861.786	889.897
65.5	620.197	656.901	759.785	847.329	875.440
66.0	602.608	640.195	744.766	832.872	861.786
66.5	585.420	623.891	729.828	819.219	848.132
67.0	568.634	607.748	714.969	804.762	834.479
67.5	551.768	591.845	700.432	791.269	820.825
68.0	535.143	576.345	685.975	777.615	807.975
68.5	518.758	560.924	671.840	764.363	794.562
69.0	502.454	545.664	657.865	751.031	781.872
69.5	486.391	530.725	644.051	738.100	769.263
70.0	470.408	516.028	630.477	725.410	756.733
70.5	454.827	501.490	616.904	712.720	744.365
71.0	439.406	487.114	603.572	700.191	732.157
71.5	424.147	473.059	590.560	687.983	720.109
72.0	409.208	458.923	577.549	675.856	708.383
72.5	394.189	445.270	564.859	663.969	696.738
73.0	379.571	431.696	552.250	652.243	685.012
73.5	365.356	418.283	540.042	640.597	673.607
74.0	351.300	405.272	527.673	629.353	662.122
74.5	337.486	392.181	515.867	618.189	651.279
75.0	323.752	379.411	504.141	607.266	640.758
75.5	310.259	366.962	492.575	596.423	630.076
76.0	297.168	354.754	481.331	585.661	619.635
76.5	284.156	342.707	470.167	575.140	609.194
77.0	271.306	330.740	459.164	564.699	599.074
77.5	258.696	319.094	448.322	554.579	589.034
78.0	246.248	307.689	437.800	544.620	579.156
78.5	234.040	296.445	427.359	534.580	569.357
79.0	222.073	285.522	417.239	524.862	559.719
79.5	210.186	274.679	407.280	515.385	550.081
80.0	198.460	263.997	397.321	505.988	540.925
80.5	187.055	253.637	387.683	496.511	531.609
81.0	175.971	243.436	378.447	487.355	522.533
81.5	164.727	233.477	369.211	478.279	513.457
82.0	153.885	223.759	360.215	469.525	504.703
82.5	143.283	214.202	351.381	460.770	496.109

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**CANDELA TABULATION - (Cont.)**

83.0	132.842	204.885	342.707	452.337	487.756
83.5	122.481	195.809	334.434	443.744	479.082
84.0	112.361	186.975	326.402	435.632	470.810
84.5	102.322	178.461	318.532	427.600	462.698
85.0	92.684	170.189	310.821	419.649	454.586
85.5	83.046	162.318	303.272	411.939	446.715
86.0	73.569	154.768	295.883	404.389	438.925
86.5	64.172	147.700	288.895	396.839	431.134
87.0	54.936	140.874	281.827	389.691	423.504
87.5	45.700	134.529	275.161	382.463	416.195
88.0	36.544	128.344	268.575	375.475	408.806
88.5	27.307	122.562	262.230	368.568	401.658
89.0	18.874	117.100	256.207	361.902	394.590
89.5	11.967	112.040	250.344	355.477	387.683
90.0	7.148	107.543	244.962	349.373	381.338
90.5	5.060	103.607	239.983	343.269	374.592
91.0	5.381	99.993	234.923	337.084	368.167
91.5	6.425	96.539	229.863	331.221	361.741
92.0	7.630	93.648	225.044	325.278	355.477
92.5	8.915	91.158	220.948	319.576	349.292
93.0	10.200	88.990	216.691	314.195	343.349
93.5	11.565	87.303	212.676	308.894	337.727
94.0	13.011	85.857	208.901	303.914	332.266
94.5	14.376	84.813	205.367	298.854	326.643
95.0	15.742	84.010	202.074	293.875	321.262
95.5	17.027	83.448	199.022	289.136	315.961
96.0	18.071	83.207	196.372	284.558	310.741
96.5	19.115	83.207	193.721	280.301	305.922
97.0	20.079	83.287	191.312	276.205	301.103
97.5	21.123	83.609	189.063	272.270	296.686
98.0	22.006	83.930	187.055	268.415	292.188
98.5	23.051	84.331	185.368	264.720	288.012
99.0	24.095	84.813	183.601	261.267	283.916
99.5	25.219	85.375	182.075	257.974	279.900
100.0	26.183	85.938	180.871	254.922	276.286
100.5	27.307	86.580	179.666	251.950	272.591
101.0	28.271	87.223	178.782	249.139	269.298
101.5	29.235	87.865	177.899	246.488	265.925
102.0	30.118	88.508	177.256	243.999	262.953
102.5	31.002	89.150	176.614	241.670	259.982
103.0	31.885	89.873	176.132	239.340	257.331
103.5	32.849	90.596	175.730	237.333	254.600
104.0	33.893	91.238	175.329	235.485	252.111
104.5	34.937	91.961	175.088	233.718	249.781
105.0	35.901	92.684	174.847	232.112	247.533
105.5	36.785	93.327	174.606	230.425	245.605
106.0	37.829	94.130	174.526	228.980	243.677
106.5	38.792	94.853	174.526	227.614	241.750
107.0	39.756	95.656	174.526	226.329	240.144
107.5	40.640	96.298	174.526	225.365	238.457
108.0	41.764	97.102	174.526	224.241	236.770
108.5	42.808	97.905	174.606	223.438	235.646
109.0	43.852	98.547	174.767	222.394	234.521
109.5	44.977	99.270	174.847	221.671	233.317
110.0	46.101	99.993	175.008	220.868	232.353
110.5	47.226	100.716	175.168	220.145	231.469

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**CANDELA TABULATION - (Cont.)**

111.0	48.350	101.439	175.249	219.502	230.506
111.5	49.474	102.081	175.329	219.021	229.703
112.0	50.679	102.804	175.490	218.539	228.739
112.5	51.884	103.527	175.650	217.976	227.855
113.0	53.169	104.250	175.891	217.575	227.454
113.5	54.374	104.892	175.891	217.173	226.891
114.0	55.659	105.535	176.052	216.852	226.329
114.5	56.863	106.258	176.212	216.450	225.847
115.0	58.148	106.820	176.373	216.210	225.446
115.5	59.434	107.543	176.373	215.969	225.044
116.0	60.638	108.185	176.614	215.647	224.562
116.5	61.763	108.828	176.775	215.326	224.402
117.0	63.048	109.550	176.935	215.326	224.000
117.5	64.252	110.113	177.096	215.005	223.759
118.0	65.297	110.675	177.256	214.844	223.438
118.5	66.501	111.237	177.337	214.603	223.358
119.0	67.545	111.799	177.497	214.362	222.876
119.5	68.670	112.201	177.658	214.121	222.795
120.0	69.714	112.602	177.578	213.961	222.394
120.5	70.758	113.084	177.658	213.639	222.314
121.0	71.802	113.406	177.819	213.398	221.992
121.5	72.927	113.807	177.738	213.077	221.832
122.0	73.971	114.289	177.738	212.917	221.591
122.5	75.015	114.771	177.819	212.595	221.028
123.0	76.059	115.253	177.738	212.274	220.948
123.5	77.023	115.654	177.578	212.033	220.466
124.0	77.826	115.976	177.578	211.792	220.386
124.5	78.629	116.297	177.578	211.391	220.065
125.0	79.432	116.699	177.417	210.989	219.743
125.5	80.235	116.939	177.256	210.748	219.342
126.0	80.958	117.261	177.176	210.266	219.021
126.5	81.601	117.662	177.016	209.945	218.780
127.0	82.323	117.823	176.855	209.543	218.458
127.5	82.886	118.064	176.614	209.142	217.896
128.0	83.609	118.064	176.534	208.660	217.575
128.5	84.171	118.225	176.212	208.258	217.254
129.0	84.733	118.385	175.891	207.857	216.852
129.5	85.215	118.626	175.329	207.214	216.370
130.0	85.616	118.787	174.767	206.813	215.888
130.5	86.018	118.947	174.124	206.331	215.326
131.0	86.259	119.188	173.482	205.608	214.764
131.5	86.580	119.429	172.839	204.965	214.202
132.0	86.901	119.670	172.116	204.564	213.720
132.5	87.062	119.751	171.313	203.761	212.997
133.0	87.303	119.831	170.992	203.038	212.113
133.5	87.383	119.751	170.510	202.476	211.712
134.0	87.464	119.590	170.189	201.833	211.150
134.5	87.705	119.269	169.787	201.110	210.106
135.0	87.946	119.028	169.305	200.146	209.302
135.5	87.865	118.385	168.904	199.504	208.660
136.0	88.026	118.305	168.341	198.701	207.857
136.5	88.186	118.064	167.940	197.817	207.054
137.0	88.267	117.662	167.297	197.094	206.170
137.5	88.347	117.261	166.735	196.131	205.367
138.0	88.508	117.020	165.932	195.327	204.403
138.5	88.508	116.699	164.888	194.444	203.680

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

139.0	88.427	116.458	163.683	193.400	202.556
139.5	88.427	116.136	162.237	192.275	201.753
140.0	88.427	115.735	160.631	191.231	200.628
140.5	88.427	115.494	159.185	189.946	199.424
141.0	88.427	115.333	157.579	188.581	198.460
141.5	88.427	115.012	155.973	187.376	197.496
142.0	88.347	114.851	154.447	185.850	196.452
142.5	88.267	114.610	152.841	184.485	195.247
143.0	88.186	114.369	151.315	183.200	194.042
143.5	88.186	114.048	149.548	181.834	192.918
144.0	88.186	113.647	148.022	180.790	191.633
144.5	88.427	113.325	146.496	179.586	190.509
145.0	88.749	113.004	144.809	178.542	189.223
145.5	89.311	112.602	143.283	177.497	187.938
146.0	90.034	112.281	141.837	176.373	186.734
146.5	90.757	111.960	140.633	175.168	185.368
147.0	91.479	111.558	139.267	173.964	184.003
147.5	92.122	111.398	138.223	172.759	182.638
148.0	92.845	111.076	137.099	171.393	181.192
148.5	93.487	110.996	136.215	170.108	179.746
149.0	94.290	110.996	135.251	168.823	178.461
149.5	94.853	111.237	134.368	167.458	176.855
150.0	95.495	111.398	133.484	166.173	175.168
150.5	96.057	111.478	132.521	164.727	173.401
151.0	96.459	111.719	131.236	163.282	171.313
151.5	96.861	111.799	129.870	161.756	169.386
152.0	97.342	111.960	128.585	160.149	167.458
152.5	97.824	112.121	127.380	158.463	165.370
153.0	98.146	112.201	126.095	156.535	163.683
153.5	98.547	112.442	124.730	154.527	161.756
154.0	98.868	112.361	123.525	152.278	160.149
154.5	99.270	112.442	122.481	150.110	158.543
155.0	99.431	112.602	121.437	147.620	157.338
155.5	99.752	112.683	120.393	145.291	156.053
156.0	99.993	112.683	119.670	142.801	154.929
156.5	100.394	112.683	118.947	140.311	153.483
157.0	100.555	112.843	118.225	138.062	152.118
157.5	100.796	112.843	117.743	135.894	150.592
158.0	101.117	112.763	117.502	133.645	149.146
158.5	101.198	112.763	117.180	131.798	147.459
159.0	101.599	112.522	116.939	130.031	146.014
159.5	101.920	112.361	116.538	128.344	144.407
160.0	102.322	112.201	116.136	126.979	142.801
160.5	102.804	112.121	115.815	125.694	141.275
161.0	103.125	111.880	115.735	124.329	139.749
161.5	103.607	111.799	115.574	122.963	138.625
162.0	104.009	111.639	115.815	121.839	137.661
162.5	104.410	111.639	115.976	120.634	136.536
163.0	104.892	111.558	116.056	119.349	135.573
163.5	105.294	111.558	116.217	117.984	134.368
164.0	105.454	111.558	116.377	116.297	133.244
164.5	105.695	111.398	116.217	115.012	131.798
165.0	105.936	111.398	115.976	113.727	130.352
165.5	106.177	111.317	115.735	112.843	128.826
166.0	106.418	111.237	115.574	111.880	126.497
166.5	106.659	111.237	115.333	111.076	125.373

IES INDOOR REPORT  
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CANDELA TABULATION - (Cont.)

167.0	106.980	111.237	115.092	110.354	124.489
167.5	107.141	111.237	114.610	109.711	123.606
168.0	107.382	111.237	114.209	109.069	122.883
168.5	107.864	110.916	113.647	108.506	121.999
169.0	108.105	110.996	113.245	107.944	121.116
169.5	108.506	110.755	112.602	107.302	120.152
170.0	108.667	110.675	112.040	106.498	119.269
170.5	108.908	110.514	111.317	105.615	118.305
171.0	109.069	110.354	110.514	104.651	117.100
171.5	109.309	110.354	109.791	103.768	116.136
172.0	109.711	110.193	109.390	102.884	114.691
172.5	109.952	110.193	108.908	101.920	113.084
173.0	110.273	110.032	108.506	101.037	110.354
173.5	110.675	110.113	108.346	100.154	106.258
174.0	110.996	110.113	108.265	99.431	101.198
174.5	111.237	110.113	108.105	98.708	95.174
175.0	111.719	110.354	108.024	98.146	88.347
175.5	111.880	110.434	107.944	97.905	81.199
176.0	112.201	110.595	107.944	97.664	76.541
176.5	112.281	110.675	107.864	97.664	73.248
177.0	112.602	110.835	107.703	97.423	69.875
177.5	112.683	110.835	107.462	97.342	69.152
178.0	113.004	110.996	107.382	97.262	69.312
178.5	113.165	111.076	107.462	97.102	69.473
179.0	113.325	111.076	107.382	96.861	69.553
179.5	113.486	111.076	107.302	96.780	69.634
180.0	101.760	101.760	101.760	101.760	101.760



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L85-827-HE-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	919.51	N.A.	11.70
0-30	1926.69	N.A.	24.50
0-40	3094.96	N.A.	39.40
0-60	5237.82	N.A.	66.70
0-80	6525.38	N.A.	83.10
0-90	6849.2	N.A.	87.30
10-90	6609.48	N.A.	84.20
20-40	2175.45	N.A.	27.70
20-50	3325.91	N.A.	42.40
40-70	2906.17	N.A.	37.00
60-80	1287.57	N.A.	16.40
70-80	524.25	N.A.	6.70
80-90	323.82	N.A.	4.10
90-110	378.22	N.A.	4.80
90-120	537.45	N.A.	6.80
90-130	684.00	N.A.	8.70
90-150	897.96	N.A.	11.40
90-180	1000.25	N.A.	12.70
110-180	622.03	N.A.	7.90
0-180	7849.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	239.72
10-20	679.79
20-30	1007.18
30-40	1168.27
40-50	1150.46
50-60	992.40
60-70	763.32
70-80	524.25
80-90	323.82
90-100	207.47
100-110	170.75
110-120	159.23
120-130	146.55
130-140	123.15
140-150	90.82
150-160	59.38
160-170	32.72
170-180	10.19

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L85-827-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	87	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-L85-827-HE-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

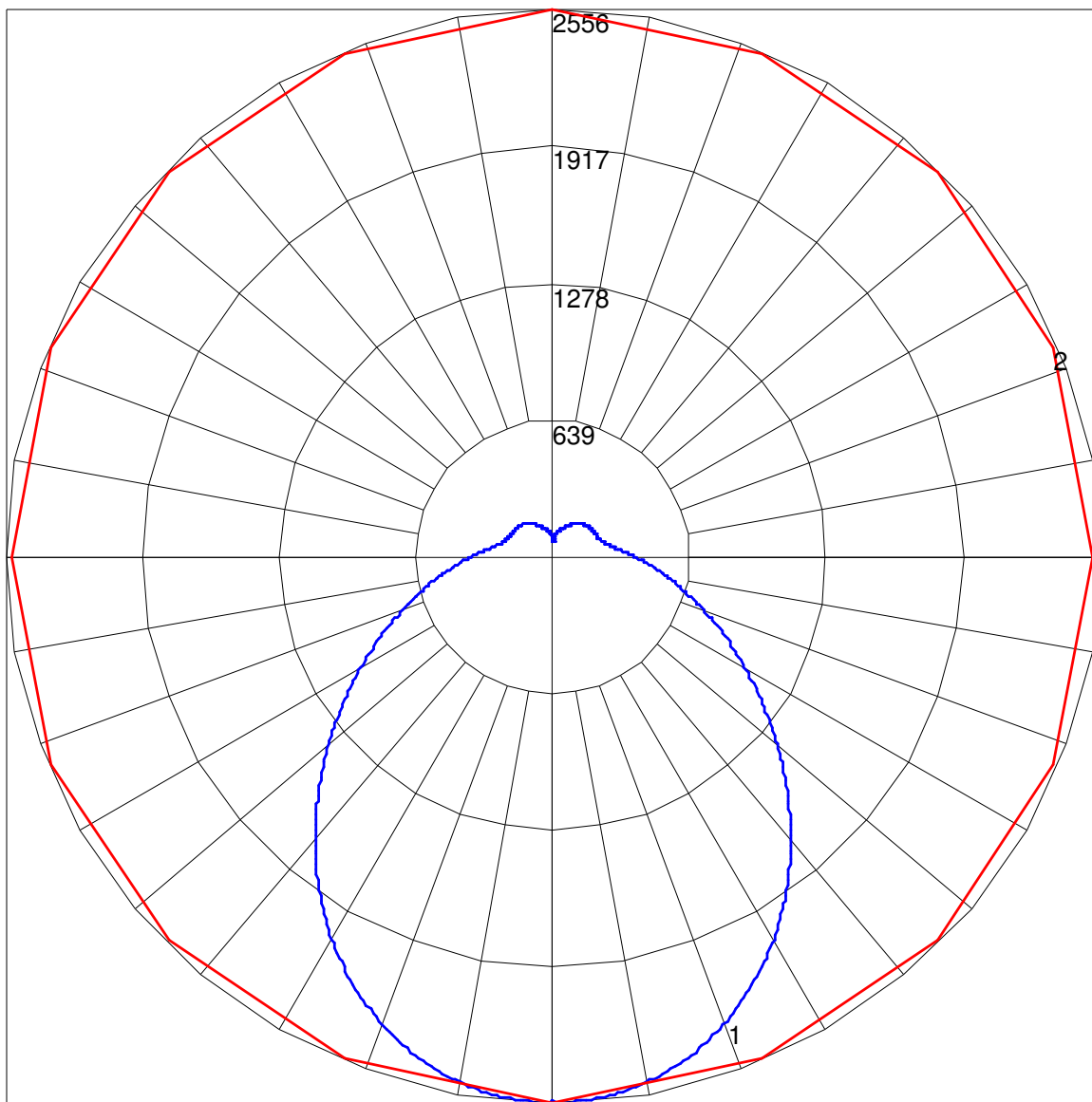
Reflectances

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	19.0	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 = 2555.642 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.)