

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L85-835-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-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	8098
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
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	17768	15916	15759
55	15386	13625	13835
65	12934	11670	12330
75	10373	10194	11525
85	7609	10028	12176

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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	2620.892	2620.892	2620.892	2620.892	2620.892
0.5	2608.462	2618.406	2620.063	2619.234	2636.635
1.0	2608.462	2619.234	2619.234	2618.406	2635.807
1.5	2605.977	2619.234	2618.406	2617.577	2636.635
2.0	2605.148	2616.749	2618.406	2616.749	2634.149
2.5	2605.148	2616.749	2615.920	2615.920	2632.492
3.0	2602.662	2614.263	2614.263	2614.263	2630.835
3.5	2601.005	2611.777	2611.777	2612.605	2629.178
4.0	2599.348	2610.120	2610.120	2609.291	2627.520
4.5	2595.205	2607.634	2608.462	2607.634	2625.035
5.0	2592.719	2605.148	2605.148	2605.148	2622.549
5.5	2589.404	2601.834	2601.834	2602.662	2619.234
6.0	2587.747	2597.690	2598.519	2598.519	2615.920
6.5	2581.947	2594.376	2595.205	2595.205	2611.777
7.0	2578.632	2590.233	2591.062	2590.233	2608.462
7.5	2575.318	2585.261	2586.919	2586.919	2604.319
8.0	2571.175	2581.947	2581.947	2581.947	2598.519
8.5	2567.032	2576.147	2577.804	2577.804	2593.547
9.0	2560.403	2572.004	2572.832	2572.004	2587.747
9.5	2556.260	2566.203	2566.203	2566.203	2584.433
10.0	2549.631	2559.574	2559.574	2561.232	2577.804
10.5	2543.831	2553.774	2554.603	2554.603	2572.004
11.0	2538.031	2547.974	2548.803	2547.974	2565.375
11.5	2530.573	2541.345	2543.002	2541.345	2559.574
12.0	2523.944	2533.888	2535.545	2535.545	2552.117
12.5	2517.315	2526.430	2528.916	2527.259	2545.488
13.0	2509.858	2519.801	2521.458	2520.630	2538.031
13.5	2502.400	2511.515	2513.172	2513.172	2531.402
14.0	2493.286	2503.229	2504.886	2504.886	2522.287
14.5	2485.828	2494.943	2496.600	2496.600	2515.658
15.0	2478.371	2486.657	2487.485	2487.485	2505.715
15.5	2469.256	2476.714	2479.199	2479.199	2495.772
16.0	2459.313	2467.599	2470.085	2470.085	2487.485
16.5	2451.027	2457.656	2460.141	2460.970	2478.371
17.0	2439.426	2446.884	2450.198	2451.027	2468.427
17.5	2429.483	2436.940	2440.255	2441.083	2458.484
18.0	2420.368	2426.997	2429.483	2431.969	2449.369
18.5	2409.596	2417.054	2419.539	2421.197	2438.597
19.0	2398.824	2404.624	2408.768	2410.425	2426.997
19.5	2386.395	2394.681	2397.996	2401.310	2416.225
20.0	2373.137	2382.252	2386.395	2388.881	2404.624
20.5	2359.880	2371.480	2374.795	2378.109	2393.853
21.0	2349.108	2358.222	2360.708	2367.337	2382.252
21.5	2336.679	2345.793	2349.936	2353.251	2369.823
22.0	2323.421	2334.193	2338.336	2341.650	2359.051
22.5	2311.820	2319.278	2325.078	2330.050	2346.622
23.0	2297.734	2306.020	2311.820	2316.792	2333.364
23.5	2282.819	2291.934	2299.391	2304.363	2320.935
24.0	2267.904	2277.847	2285.305	2291.105	2307.677
24.5	2255.475	2263.761	2272.047	2277.019	2292.762
25.0	2241.388	2249.675	2258.789	2263.761	2279.504
25.5	2225.645	2235.588	2243.046	2250.503	2263.761
26.0	2210.730	2219.845	2229.788	2236.417	2251.332
26.5	2194.986	2204.101	2215.702	2221.502	2237.245

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27.0	2179.243	2187.529	2201.615	2209.073	2223.159
27.5	2161.013	2171.785	2185.872	2192.500	2209.073
28.0	2147.756	2156.042	2170.128	2177.586	2193.329
28.5	2130.355	2140.298	2154.384	2161.842	2177.586
29.0	2113.783	2123.726	2137.812	2146.927	2162.671
29.5	2096.382	2106.325	2121.240	2130.355	2146.098
30.0	2078.981	2089.753	2104.668	2116.268	2132.012
30.5	2060.752	2071.524	2088.924	2100.525	2115.440
31.0	2043.351	2054.123	2071.524	2083.953	2098.039
31.5	2025.121	2037.551	2054.951	2068.209	2083.124
32.0	2007.721	2018.493	2038.379	2050.808	2065.723
32.5	1988.663	2000.263	2020.978	2034.236	2049.151
33.0	1970.433	1982.862	2001.920	2017.664	2032.579
33.5	1953.032	1964.633	1985.348	1999.434	2015.178
34.0	1932.317	1945.575	1967.119	1982.862	1999.434
34.5	1913.259	1927.345	1949.718	1964.633	1981.205
35.0	1895.858	1907.459	1932.317	1948.061	1963.804
35.5	1873.486	1889.229	1913.259	1929.831	1945.575
36.0	1856.085	1869.343	1895.030	1911.602	1928.174
36.5	1834.541	1849.456	1875.972	1894.201	1911.602
37.0	1814.655	1830.398	1856.914	1875.143	1894.201
37.5	1793.939	1809.683	1838.684	1858.571	1875.143
38.0	1773.224	1789.796	1818.798	1839.513	1855.256
38.5	1751.680	1769.081	1799.740	1822.112	1837.027
39.0	1732.622	1748.366	1779.853	1803.054	1822.112
39.5	1711.078	1729.308	1760.795	1783.996	1802.225
40.0	1687.877	1707.764	1740.908	1766.595	1783.167
40.5	1666.334	1687.049	1721.850	1748.366	1764.938
41.0	1646.447	1666.334	1701.964	1729.308	1745.880
41.5	1624.903	1645.618	1682.077	1710.250	1727.651
42.0	1603.359	1624.903	1662.190	1692.020	1709.421
42.5	1582.644	1603.359	1641.475	1672.962	1690.363
43.0	1559.443	1582.644	1622.417	1654.733	1672.134
43.5	1539.556	1561.100	1601.702	1635.675	1653.904
44.0	1517.184	1539.556	1580.987	1617.446	1634.846
44.5	1496.469	1518.841	1560.272	1597.559	1615.788
45.0	1474.925	1497.297	1540.385	1580.158	1598.388
45.5	1453.381	1476.582	1520.498	1561.929	1580.158
46.0	1431.837	1455.038	1498.954	1542.042	1561.100
46.5	1410.293	1433.494	1480.725	1525.470	1542.871
47.0	1387.921	1412.779	1460.010	1505.583	1524.641
47.5	1366.377	1391.235	1439.295	1486.525	1505.583
48.0	1345.662	1369.691	1418.579	1469.124	1486.525
48.5	1322.461	1348.976	1399.521	1449.238	1468.296
49.0	1301.745	1326.604	1377.977	1430.180	1449.238
49.5	1280.202	1305.888	1358.091	1411.950	1431.008
50.0	1257.829	1284.345	1338.204	1392.064	1411.950
50.5	1237.114	1263.629	1317.489	1375.492	1394.550
51.0	1215.570	1242.086	1299.260	1356.434	1376.320
51.5	1194.855	1220.542	1278.544	1338.204	1358.091
52.0	1172.482	1199.826	1258.658	1319.146	1339.861
52.5	1150.938	1178.283	1239.600	1300.088	1322.461
53.0	1128.566	1157.567	1219.713	1283.516	1303.403
53.5	1107.022	1136.852	1200.655	1264.458	1286.002
54.0	1086.307	1116.137	1181.597	1246.229	1268.601
54.5	1066.420	1094.593	1162.539	1229.656	1251.200

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55.0	1045.705	1074.706	1143.481	1210.598	1235.457
55.5	1028.304	1053.991	1124.423	1193.198	1216.399
56.0	1008.418	1035.762	1106.194	1175.797	1198.998
56.5	987.702	1016.704	1087.136	1158.396	1182.426
57.0	967.816	997.646	1068.906	1140.995	1165.025
57.5	947.101	977.759	1053.163	1124.423	1145.967
58.0	926.385	957.872	1034.933	1106.194	1131.880
58.5	906.499	937.986	1016.704	1090.450	1115.308
59.0	886.612	918.099	999.303	1076.364	1097.907
59.5	866.725	899.041	983.559	1058.963	1084.650
60.0	846.839	879.155	966.159	1042.391	1068.078
60.5	827.366	860.097	948.758	1026.647	1051.505
61.0	807.811	841.039	931.357	1010.903	1035.762
61.5	788.422	822.146	913.956	995.160	1020.847
62.0	769.364	803.420	897.384	980.245	1005.103
62.5	750.554	784.859	879.983	965.330	990.188
63.0	731.496	766.381	863.411	949.586	976.930
63.5	712.604	748.151	847.667	934.671	962.016
64.0	694.209	730.171	831.095	918.928	947.101
64.5	675.897	712.604	815.352	904.013	932.186
65.0	657.750	694.955	799.525	889.098	918.099
65.5	639.852	677.720	783.864	874.183	903.184
66.0	621.706	660.485	768.370	859.268	889.098
66.5	603.973	643.664	752.957	845.182	875.012
67.0	586.655	627.009	737.628	830.267	860.925
67.5	569.255	610.602	722.630	816.346	846.839
68.0	552.102	594.610	707.715	802.260	833.581
68.5	535.199	578.701	693.132	788.588	819.743
69.0	518.378	562.957	678.714	774.833	806.651
69.5	501.806	547.545	664.462	761.492	793.642
70.0	485.317	532.382	650.458	748.400	780.716
70.5	469.242	517.384	636.455	735.308	767.955
71.0	453.332	502.552	622.700	722.382	755.360
71.5	437.589	488.051	609.276	709.787	742.931
72.0	422.176	473.467	595.853	697.275	730.833
72.5	406.681	459.381	582.761	685.011	718.819
73.0	391.601	445.378	569.752	672.914	706.721
73.5	376.934	431.540	557.157	660.899	694.955
74.0	362.434	418.116	544.396	649.298	683.106
74.5	348.182	404.610	532.216	637.781	671.919
75.0	334.012	391.435	520.118	626.512	661.065
75.5	320.092	378.592	508.186	615.325	650.044
76.0	306.585	365.997	496.586	604.222	639.272
76.5	293.162	353.568	485.068	593.367	628.500
77.0	279.904	341.221	473.716	582.595	618.060
77.5	266.895	329.207	462.530	572.155	607.702
78.0	254.052	317.440	451.675	561.880	597.510
78.5	241.457	305.840	440.903	551.522	587.401
79.0	229.111	294.571	430.463	541.496	577.458
79.5	216.847	283.384	420.188	531.719	567.515
80.0	204.749	272.364	409.913	522.024	558.068
80.5	192.983	261.675	399.970	512.246	548.457
81.0	181.548	251.152	390.441	502.800	539.093
81.5	169.948	240.877	380.912	493.437	529.730
82.0	158.762	230.851	371.631	484.405	520.698
82.5	147.824	220.990	362.517	475.373	511.832

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83.0	137.052	211.378	353.568	466.673	503.214
83.5	126.363	202.015	345.033	457.807	494.266
84.0	115.922	192.900	336.747	449.438	485.731
84.5	105.565	184.117	328.626	441.152	477.362
85.0	95.622	175.582	320.672	432.948	468.993
85.5	85.678	167.462	312.883	424.994	460.873
86.0	75.901	159.673	305.260	417.205	452.835
86.5	66.206	152.381	298.051	409.416	444.798
87.0	56.677	145.338	290.759	402.041	436.926
87.5	47.148	138.792	283.882	394.584	429.385
88.0	37.702	132.412	277.087	387.375	421.762
88.5	28.173	126.446	270.541	380.249	414.388
89.0	19.472	120.811	264.326	373.371	407.096
89.5	12.346	115.591	258.278	366.743	399.970
90.0	7.375	110.951	252.726	360.445	393.424
90.5	5.220	106.891	247.588	354.148	386.463
91.0	5.552	103.162	242.368	347.767	379.835
91.5	6.629	99.599	237.148	341.719	373.206
92.0	7.872	96.616	232.176	335.587	366.743
92.5	9.198	94.047	227.950	329.704	360.362
93.0	10.523	91.810	223.559	324.152	354.231
93.5	11.932	90.070	219.416	318.683	348.430
94.0	13.423	88.578	215.521	313.546	342.796
94.5	14.832	87.501	211.875	308.326	336.995
95.0	16.241	86.673	208.478	303.188	331.444
95.5	17.567	86.093	205.329	298.299	325.975
96.0	18.644	85.844	202.595	293.576	320.589
96.5	19.721	85.844	199.861	289.185	315.617
97.0	20.715	85.927	197.375	284.959	310.646
97.5	21.792	86.258	195.055	280.899	306.088
98.0	22.704	86.590	192.983	276.921	301.448
98.5	23.781	87.004	191.243	273.110	297.139
99.0	24.858	87.501	189.420	269.547	292.913
99.5	26.018	88.081	187.846	266.149	288.770
100.0	27.013	88.661	186.603	263.001	285.042
100.5	28.173	89.324	185.360	259.935	281.230
101.0	29.167	89.987	184.448	257.035	277.833
101.5	30.161	90.650	183.537	254.300	274.353
102.0	31.073	91.313	182.874	251.732	271.287
102.5	31.984	91.976	182.211	249.329	268.221
103.0	32.896	92.721	181.714	246.926	265.486
103.5	33.890	93.467	181.300	244.854	262.669
104.0	34.967	94.130	180.885	242.948	260.100
104.5	36.045	94.876	180.637	241.125	257.698
105.0	37.039	95.622	180.388	239.468	255.377
105.5	37.950	96.284	180.140	237.728	253.389
106.0	39.028	97.113	180.057	236.237	251.400
106.5	40.022	97.859	180.057	234.828	249.411
107.0	41.016	98.687	180.057	233.502	247.754
107.5	41.928	99.350	180.057	232.508	246.014
108.0	43.088	100.179	180.057	231.348	244.274
108.5	44.165	101.007	180.140	230.519	243.114
109.0	45.242	101.670	180.305	229.442	241.954
109.5	46.402	102.416	180.388	228.696	240.711
110.0	47.562	103.162	180.554	227.868	239.717
110.5	48.722	103.908	180.720	227.122	238.805

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111.0	49.882	104.653	180.803	226.459	237.811
111.5	51.042	105.316	180.885	225.962	236.982
112.0	52.285	106.062	181.051	225.465	235.988
112.5	53.528	106.808	181.217	224.885	235.076
113.0	54.854	107.554	181.465	224.470	234.662
113.5	56.097	108.216	181.465	224.056	234.082
114.0	57.423	108.879	181.631	223.725	233.502
114.5	58.666	109.625	181.797	223.310	233.005
115.0	59.991	110.205	181.963	223.062	232.591
115.5	61.317	110.951	181.963	222.813	232.176
116.0	62.560	111.614	182.211	222.482	231.679
116.5	63.720	112.277	182.377	222.150	231.513
117.0	65.046	113.022	182.543	222.150	231.099
117.5	66.289	113.602	182.708	221.819	230.851
118.0	67.366	114.182	182.874	221.653	230.519
118.5	68.609	114.762	182.957	221.404	230.436
119.0	69.686	115.342	183.123	221.156	229.939
119.5	70.846	115.757	183.288	220.907	229.856
120.0	71.923	116.171	183.206	220.742	229.442
120.5	73.000	116.668	183.288	220.410	229.359
121.0	74.078	117.000	183.454	220.162	229.028
121.5	75.238	117.414	183.371	219.830	228.862
122.0	76.315	117.911	183.371	219.664	228.613
122.5	77.392	118.408	183.454	219.333	228.033
123.0	78.469	118.905	183.371	219.001	227.950
123.5	79.464	119.320	183.206	218.753	227.453
124.0	80.292	119.651	183.206	218.504	227.370
124.5	81.121	119.983	183.206	218.090	227.039
125.0	81.949	120.397	183.040	217.676	226.708
125.5	82.778	120.646	182.874	217.427	226.293
126.0	83.524	120.977	182.791	216.930	225.962
126.5	84.187	121.391	182.626	216.598	225.713
127.0	84.932	121.557	182.460	216.184	225.382
127.5	85.512	121.806	182.211	215.770	224.802
128.0	86.258	121.806	182.128	215.273	224.470
128.5	86.838	121.971	181.797	214.858	224.139
129.0	87.418	122.137	181.465	214.444	223.725
129.5	87.915	122.386	180.885	213.781	223.227
130.0	88.330	122.551	180.305	213.367	222.730
130.5	88.744	122.717	179.643	212.870	222.150
131.0	88.993	122.966	178.980	212.124	221.570
131.5	89.324	123.214	178.317	211.461	220.990
132.0	89.656	123.463	177.571	211.047	220.493
132.5	89.821	123.546	176.742	210.218	219.747
133.0	90.070	123.629	176.411	209.472	218.836
133.5	90.153	123.546	175.914	208.892	218.421
134.0	90.236	123.380	175.582	208.230	217.841
134.5	90.484	123.048	175.168	207.484	216.764
135.0	90.733	122.800	174.671	206.489	215.936
135.5	90.650	122.137	174.257	205.827	215.273
136.0	90.816	122.054	173.677	204.998	214.444
136.5	90.981	121.806	173.262	204.086	213.616
137.0	91.064	121.391	172.599	203.341	212.704
137.5	91.147	120.977	172.019	202.346	211.875
138.0	91.313	120.728	171.191	201.518	210.881
138.5	91.313	120.397	170.114	200.606	210.135

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

139.0	91.230	120.148	168.871	199.529	208.975
139.5	91.230	119.817	167.379	198.369	208.147
140.0	91.230	119.403	165.722	197.292	206.987
140.5	91.230	119.154	164.230	195.966	205.744
141.0	91.230	118.988	162.573	194.557	204.749
141.5	91.230	118.657	160.916	193.315	203.755
142.0	91.147	118.491	159.342	191.740	202.678
142.5	91.064	118.243	157.684	190.332	201.435
143.0	90.981	117.994	156.110	189.006	200.192
143.5	90.981	117.663	154.287	187.597	199.032
144.0	90.981	117.248	152.713	186.520	197.706
144.5	91.230	116.917	151.138	185.277	196.546
145.0	91.561	116.585	149.398	184.200	195.220
145.5	92.141	116.171	147.824	183.123	193.895
146.0	92.887	115.840	146.332	181.963	192.652
146.5	93.633	115.508	145.090	180.720	191.243
147.0	94.379	115.094	143.681	179.477	189.834
147.5	95.041	114.928	142.604	178.234	188.426
148.0	95.787	114.597	141.444	176.825	186.934
148.5	96.450	114.514	140.532	175.499	185.443
149.0	97.279	114.514	139.538	174.174	184.117
149.5	97.859	114.762	138.626	172.765	182.460
150.0	98.522	114.928	137.715	171.439	180.720
150.5	99.102	115.011	136.721	169.948	178.897
151.0	99.516	115.260	135.395	168.456	176.742
151.5	99.930	115.342	133.986	166.882	174.754
152.0	100.427	115.508	132.660	165.225	172.765
152.5	100.925	115.674	131.417	163.485	170.611
153.0	101.256	115.757	130.092	161.496	168.871
153.5	101.670	116.005	128.683	159.424	166.882
154.0	102.002	115.922	127.440	157.104	165.225
154.5	102.416	116.005	126.363	154.867	163.567
155.0	102.582	116.171	125.286	152.298	162.325
155.5	102.913	116.254	124.209	149.895	160.999
156.0	103.162	116.254	123.463	147.327	159.839
156.5	103.576	116.254	122.717	144.758	158.347
157.0	103.742	116.420	121.971	142.438	156.939
157.5	103.990	116.420	121.474	140.201	155.364
158.0	104.322	116.337	121.226	137.881	153.873
158.5	104.405	116.337	120.894	135.975	152.133
159.0	104.819	116.088	120.646	134.152	150.641
159.5	105.151	115.922	120.231	132.412	148.984
160.0	105.565	115.757	119.817	131.003	147.327
160.5	106.062	115.674	119.485	129.677	145.752
161.0	106.393	115.425	119.403	128.269	144.178
161.5	106.891	115.342	119.237	126.860	143.018
162.0	107.305	115.177	119.485	125.700	142.024
162.5	107.719	115.177	119.651	124.457	140.864
163.0	108.216	115.094	119.734	123.131	139.869
163.5	108.631	115.094	119.900	121.723	138.626
164.0	108.796	115.094	120.066	119.983	137.466
164.5	109.045	114.928	119.900	118.657	135.975
165.0	109.294	114.928	119.651	117.331	134.483
165.5	109.542	114.845	119.403	116.420	132.909
166.0	109.791	114.762	119.237	115.425	130.506
166.5	110.039	114.762	118.988	114.597	129.346

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	110.371	114.762	118.740	113.851	128.434
167.5	110.536	114.762	118.243	113.188	127.523
168.0	110.785	114.762	117.828	112.525	126.777
168.5	111.282	114.431	117.248	111.945	125.866
169.0	111.531	114.514	116.834	111.365	124.954
169.5	111.945	114.265	116.171	110.702	123.960
170.0	112.111	114.182	115.591	109.874	123.048
170.5	112.359	114.017	114.845	108.962	122.054
171.0	112.525	113.851	114.017	107.968	120.811
171.5	112.774	113.851	113.271	107.056	119.817
172.0	113.188	113.685	112.857	106.145	118.325
172.5	113.437	113.685	112.359	105.151	116.668
173.0	113.768	113.519	111.945	104.239	113.851
173.5	114.182	113.602	111.779	103.328	109.625
174.0	114.514	113.602	111.697	102.582	104.405
174.5	114.762	113.602	111.531	101.836	98.190
175.0	115.260	113.851	111.448	101.256	91.147
175.5	115.425	113.934	111.365	101.007	83.772
176.0	115.757	114.100	111.365	100.759	78.966
176.5	115.840	114.182	111.282	100.759	75.569
177.0	116.171	114.348	111.117	100.510	72.089
177.5	116.254	114.348	110.868	100.427	71.343
178.0	116.585	114.514	110.785	100.345	71.509
178.5	116.751	114.597	110.868	100.179	71.675
179.0	116.917	114.597	110.785	99.930	71.758
179.5	117.083	114.597	110.702	99.847	71.840
180.0	104.985	104.985	104.985	104.985	104.985

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	948.65	N.A.	11.70
0-30	1987.75	N.A.	24.50
0-40	3193.04	N.A.	39.40
0-60	5403.81	N.A.	66.70
0-80	6732.19	N.A.	83.10
0-90	7066.27	N.A.	87.30
10-90	6818.95	N.A.	84.20
20-40	2244.39	N.A.	27.70
20-50	3431.31	N.A.	42.40
40-70	2998.28	N.A.	37.00
60-80	1328.37	N.A.	16.40
70-80	540.86	N.A.	6.70
80-90	334.08	N.A.	4.10
90-110	390.21	N.A.	4.80
90-120	554.49	N.A.	6.80
90-130	705.68	N.A.	8.70
90-150	926.42	N.A.	11.40
90-180	1031.95	N.A.	12.70
110-180	641.74	N.A.	7.90
0-180	8098.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	247.32
10-20	701.34
20-30	1039.1
30-40	1205.29
40-50	1186.92
50-60	1023.85
60-70	787.51
70-80	540.87
80-90	334.08
90-100	214.05
100-110	176.16
110-120	164.27
120-130	151.19
130-140	127.05
140-150	93.70
150-160	61.26
160-170	33.75
170-180	10.51

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L85-835-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-DIM-UNV_.IES

UGR TABLE - CORRECTED

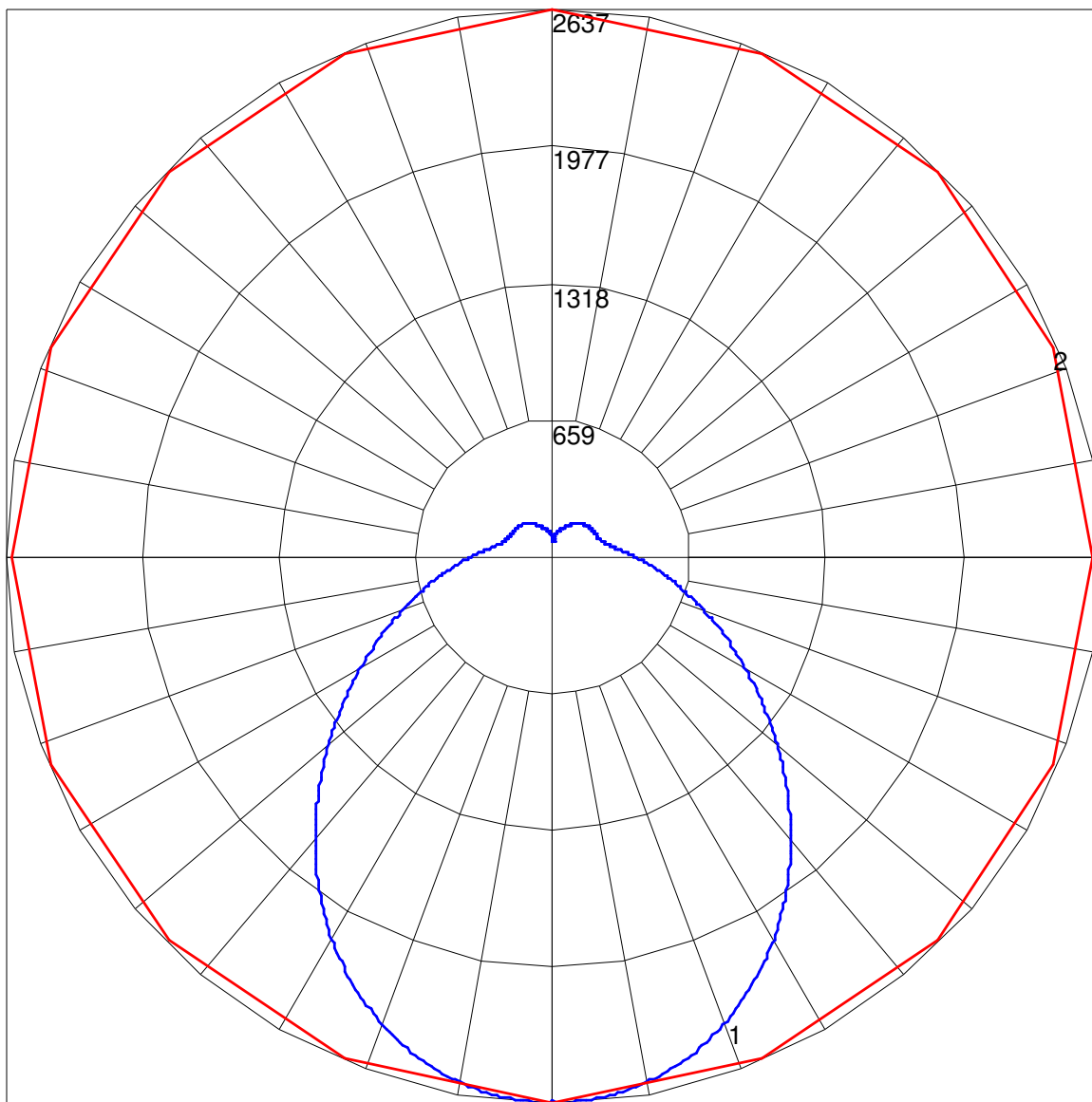
Reflectances

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 = 2636.635 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.)