

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L85-827-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-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	7855
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	140
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	17235	15438	15286
55	14925	13216	13420
65	12546	11320	11960
75	10062	9888	11179
85	7380	9727	11811

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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	2542.265	2542.265	2542.265	2542.265	2542.265
0.5	2530.209	2539.854	2541.461	2540.657	2557.536
1.0	2530.209	2540.657	2540.657	2539.854	2556.732
1.5	2527.797	2540.657	2539.854	2539.050	2557.536
2.0	2526.994	2538.246	2539.854	2538.246	2555.125
2.5	2526.994	2538.246	2537.442	2537.442	2553.517
3.0	2524.582	2535.835	2535.835	2535.835	2551.910
3.5	2522.975	2533.424	2533.424	2534.227	2550.302
4.0	2521.367	2531.816	2531.816	2531.012	2548.695
4.5	2517.349	2529.405	2530.209	2529.405	2546.284
5.0	2514.937	2526.994	2526.994	2526.994	2543.872
5.5	2511.722	2523.779	2523.779	2524.582	2540.657
6.0	2510.115	2519.760	2520.564	2520.564	2537.442
6.5	2504.489	2516.545	2517.349	2517.349	2533.424
7.0	2501.274	2512.526	2513.330	2512.526	2530.209
7.5	2498.059	2507.704	2509.311	2509.311	2526.190
8.0	2494.040	2504.489	2504.489	2504.489	2520.564
8.5	2490.021	2498.862	2500.470	2500.470	2515.741
9.0	2483.591	2494.844	2495.647	2494.844	2510.115
9.5	2479.572	2489.217	2489.217	2489.217	2506.900
10.0	2473.142	2482.787	2482.787	2484.395	2500.470
10.5	2467.516	2477.161	2477.965	2477.965	2494.844
11.0	2461.890	2471.535	2472.339	2471.535	2488.414
11.5	2454.656	2465.105	2466.712	2465.105	2482.787
12.0	2448.226	2457.871	2459.479	2459.479	2475.554
12.5	2441.796	2450.637	2453.049	2451.441	2469.124
13.0	2434.562	2444.207	2445.815	2445.011	2461.890
13.5	2427.329	2436.170	2437.777	2437.777	2455.460
14.0	2418.487	2428.132	2429.740	2429.740	2446.619
14.5	2411.254	2420.095	2421.702	2421.702	2440.189
15.0	2404.020	2412.057	2412.861	2412.861	2430.544
15.5	2395.178	2402.412	2404.824	2404.824	2420.899
16.0	2385.533	2393.571	2395.982	2395.982	2412.861
16.5	2377.496	2383.926	2386.337	2387.141	2404.020
17.0	2366.243	2373.477	2376.692	2377.496	2394.375
17.5	2356.598	2363.832	2367.047	2367.851	2384.730
18.0	2347.757	2354.187	2356.598	2359.010	2375.888
18.5	2337.308	2344.542	2346.953	2348.561	2365.440
19.0	2326.860	2332.486	2336.505	2338.112	2354.187
19.5	2314.803	2322.841	2326.056	2329.271	2343.738
20.0	2301.943	2310.785	2314.803	2317.215	2332.486
20.5	2289.083	2300.336	2303.551	2306.766	2322.037
21.0	2278.635	2287.476	2289.887	2296.317	2310.785
21.5	2266.578	2275.420	2279.438	2282.653	2298.728
22.0	2253.718	2264.167	2268.186	2271.401	2288.280
22.5	2242.466	2249.700	2255.326	2260.148	2276.223
23.0	2228.802	2236.840	2242.466	2247.288	2263.363
23.5	2214.334	2223.176	2230.409	2235.232	2251.307
24.0	2199.867	2209.512	2216.746	2222.372	2238.447
24.5	2187.811	2195.848	2203.886	2208.708	2223.979
25.0	2174.147	2182.184	2191.026	2195.848	2211.119
25.5	2158.876	2168.521	2175.754	2182.988	2195.848
26.0	2144.408	2153.249	2162.894	2169.324	2183.792
26.5	2129.137	2137.978	2149.231	2154.857	2170.128

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27.0	2113.866	2121.903	2135.567	2142.801	2156.464
27.5	2096.183	2106.632	2120.296	2126.726	2142.801
28.0	2083.323	2091.361	2105.024	2112.258	2127.529
28.5	2066.444	2076.089	2089.753	2096.987	2112.258
29.0	2050.369	2060.014	2073.678	2082.519	2097.791
29.5	2033.490	2043.135	2057.603	2066.444	2081.716
30.0	2016.612	2027.060	2041.528	2052.780	2068.052
30.5	1998.929	2009.378	2026.257	2037.509	2051.977
31.0	1982.050	1992.499	2009.378	2021.434	2035.098
31.5	1964.368	1976.424	1993.303	2006.163	2020.630
32.0	1947.489	1957.938	1977.228	1989.284	2003.752
32.5	1929.003	1940.255	1960.349	1973.209	1987.677
33.0	1911.320	1923.377	1941.863	1957.134	1971.602
33.5	1894.442	1905.694	1925.788	1939.452	1954.723
34.0	1874.348	1887.208	1908.105	1923.377	1939.452
34.5	1855.861	1869.525	1891.227	1905.694	1921.769
35.0	1838.983	1850.235	1874.348	1889.619	1904.890
35.5	1817.281	1832.553	1855.861	1871.936	1887.208
36.0	1800.403	1813.263	1838.179	1854.254	1870.329
36.5	1779.505	1793.973	1819.693	1837.375	1854.254
37.0	1760.215	1775.486	1801.206	1818.889	1837.375
37.5	1740.121	1755.393	1783.524	1802.814	1818.889
38.0	1720.028	1736.103	1764.234	1784.328	1799.599
38.5	1699.130	1716.009	1745.748	1767.449	1781.916
39.0	1680.644	1695.915	1726.458	1748.963	1767.449
39.5	1659.746	1677.429	1707.971	1730.476	1748.159
40.0	1637.241	1656.531	1688.681	1713.597	1729.673
40.5	1616.344	1636.437	1670.195	1695.915	1711.990
41.0	1597.054	1616.344	1650.905	1677.429	1693.504
41.5	1576.156	1596.250	1631.615	1658.942	1675.821
42.0	1555.259	1576.156	1612.325	1641.260	1658.139
42.5	1535.165	1555.259	1592.231	1622.774	1639.652
43.0	1512.660	1535.165	1573.745	1605.091	1621.970
43.5	1493.370	1514.267	1553.651	1586.605	1604.287
44.0	1471.668	1493.370	1533.557	1568.922	1585.801
44.5	1451.575	1473.276	1513.463	1549.632	1567.315
45.0	1430.677	1452.378	1494.173	1532.753	1550.436
45.5	1409.780	1432.285	1474.883	1515.071	1532.753
46.0	1388.882	1411.387	1453.986	1495.781	1514.267
46.5	1367.984	1390.490	1436.303	1479.706	1496.585
47.0	1346.283	1370.396	1416.210	1460.416	1478.902
47.5	1325.386	1349.498	1396.116	1441.930	1460.416
48.0	1305.292	1328.601	1376.022	1425.051	1441.930
48.5	1282.787	1308.507	1357.536	1405.761	1424.247
49.0	1262.693	1286.806	1336.638	1387.275	1405.761
49.5	1241.796	1266.712	1317.348	1369.592	1388.078
50.0	1220.094	1245.814	1298.058	1350.302	1369.592
50.5	1200.000	1225.721	1277.964	1334.227	1352.713
51.0	1179.103	1204.823	1260.282	1315.741	1335.031
51.5	1159.009	1183.925	1240.188	1298.058	1317.348
52.0	1137.308	1163.832	1220.898	1279.572	1299.666
52.5	1116.410	1142.934	1202.412	1261.086	1282.787
53.0	1094.709	1122.840	1183.122	1245.011	1264.301
53.5	1073.812	1102.747	1164.635	1226.524	1247.422
54.0	1053.718	1082.653	1146.149	1208.842	1230.543
54.5	1034.428	1061.755	1127.663	1192.767	1213.664

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55.0	1014.334	1042.465	1109.177	1174.280	1198.393
55.5	997.455	1022.371	1090.690	1157.402	1179.907
56.0	978.165	1004.689	1073.008	1140.523	1163.028
56.5	958.071	986.203	1054.522	1123.644	1146.953
57.0	938.781	967.716	1036.839	1106.765	1130.074
57.5	918.688	948.426	1021.568	1090.690	1111.588
58.0	898.594	929.136	1003.885	1073.008	1097.924
58.5	879.304	909.846	986.203	1057.737	1081.849
59.0	860.014	890.556	969.324	1044.073	1064.970
59.5	840.724	872.070	954.053	1027.194	1052.110
60.0	821.434	852.780	937.174	1011.119	1036.035
60.5	802.546	834.294	920.295	995.848	1019.960
61.0	783.577	815.807	903.416	980.576	1004.689
61.5	764.769	797.482	886.538	965.305	990.221
62.0	746.283	779.317	870.463	950.838	974.950
62.5	728.038	761.313	853.584	936.370	960.483
63.0	709.552	743.389	837.509	921.099	947.623
63.5	691.226	725.707	822.237	906.631	933.155
64.0	673.383	708.266	806.162	891.360	918.688
64.5	655.620	691.226	790.891	876.893	904.220
65.0	638.018	674.106	775.540	862.425	890.556
65.5	620.657	657.388	760.349	847.957	876.089
66.0	603.055	640.670	745.318	833.490	862.425
66.5	585.854	624.354	730.369	819.826	848.761
67.0	569.056	608.199	715.499	805.359	835.097
67.5	552.177	592.284	700.951	791.856	821.434
68.0	535.539	576.772	686.484	778.192	808.574
68.5	519.143	561.340	672.338	764.930	795.151
69.0	502.827	546.069	658.353	751.588	782.452
69.5	486.752	531.119	644.528	738.647	769.833
70.0	470.757	516.410	630.945	725.948	757.294
70.5	455.164	501.862	617.361	713.249	744.917
71.0	439.732	487.475	604.019	700.710	732.700
71.5	424.461	473.409	590.998	688.493	720.643
72.0	409.511	459.263	577.977	676.357	708.909
72.5	394.481	445.600	565.278	664.461	697.254
73.0	379.853	432.016	552.659	652.726	685.519
73.5	365.626	418.594	540.442	641.072	674.106
74.0	351.561	405.573	528.065	629.819	662.612
74.5	337.736	392.472	516.249	618.647	651.762
75.0	323.992	379.692	504.515	607.716	641.233
75.5	310.489	367.234	492.941	596.866	630.543
76.0	297.388	355.017	481.688	586.095	620.094
76.5	284.367	342.961	470.516	575.566	609.645
77.0	271.507	330.985	459.505	565.117	599.518
77.5	258.888	319.330	448.654	554.990	589.471
78.0	246.430	307.917	438.125	545.024	579.585
78.5	234.213	296.665	427.676	534.977	569.779
79.0	222.237	285.734	417.549	525.251	560.134
79.5	210.342	274.883	407.582	515.767	550.489
80.0	198.607	264.193	397.616	506.363	541.326
80.5	187.194	253.825	387.971	496.879	532.003
81.0	176.102	243.617	378.728	487.716	522.921
81.5	164.849	233.650	369.484	478.634	513.838
82.0	153.999	223.925	360.482	469.873	505.077
82.5	143.389	214.360	351.641	461.112	496.477

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83.0	132.940	205.037	342.961	452.673	488.118
83.5	122.572	195.955	334.682	444.073	479.438
84.0	112.445	187.113	326.644	435.955	471.159
84.5	102.398	178.594	318.768	427.917	463.041
85.0	92.753	170.315	311.052	419.960	454.923
85.5	83.108	162.438	303.496	412.244	447.046
86.0	73.624	154.883	296.102	404.689	439.250
86.5	64.220	147.810	289.109	397.133	431.454
87.0	54.977	140.978	282.036	389.980	423.818
87.5	45.733	134.628	275.365	382.746	416.504
88.0	36.571	128.439	268.774	375.754	409.109
88.5	27.328	122.652	262.425	368.841	401.956
89.0	18.888	117.187	256.397	362.170	394.883
89.5	11.976	112.123	250.529	355.740	387.971
90.0	7.153	107.622	245.144	349.632	381.621
90.5	5.064	103.684	240.161	343.523	374.870
91.0	5.385	100.067	235.097	337.334	368.440
91.5	6.430	96.611	230.034	331.467	362.010
92.0	7.636	93.717	225.211	325.519	355.740
92.5	8.922	91.226	221.112	319.813	349.551
93.0	10.208	89.056	216.852	314.427	343.604
93.5	11.574	87.368	212.833	309.123	337.977
94.0	13.021	85.921	209.056	304.139	332.512
94.5	14.387	84.876	205.519	299.076	326.886
95.0	15.754	84.072	202.224	294.093	321.500
95.5	17.040	83.510	199.170	289.350	316.196
96.0	18.084	83.269	196.517	284.769	310.971
96.5	19.129	83.269	193.865	280.509	306.149
97.0	20.094	83.349	191.454	276.410	301.326
97.5	21.139	83.670	189.203	272.472	296.906
98.0	22.023	83.992	187.194	268.614	292.405
98.5	23.068	84.394	185.506	264.916	288.225
99.0	24.113	84.876	183.738	261.460	284.126
99.5	25.238	85.439	182.210	258.165	280.107
100.0	26.202	86.001	181.005	255.111	276.490
100.5	27.328	86.644	179.799	252.137	272.793
101.0	28.292	87.287	178.915	249.324	269.498
101.5	29.257	87.930	178.031	246.671	266.122
102.0	30.141	88.573	177.388	244.180	263.148
102.5	31.025	89.216	176.745	241.849	260.174
103.0	31.909	89.940	176.263	239.518	257.522
103.5	32.873	90.663	175.861	237.508	254.789
104.0	33.918	91.306	175.459	235.660	252.297
104.5	34.963	92.030	175.218	233.892	249.967
105.0	35.928	92.753	174.977	232.284	247.716
105.5	36.812	93.396	174.736	230.596	245.787
106.0	37.857	94.200	174.655	229.149	243.858
106.5	38.821	94.923	174.655	227.783	241.929
107.0	39.786	95.727	174.655	226.497	240.322
107.5	40.670	96.370	174.655	225.533	238.634
108.0	41.795	97.174	174.655	224.407	236.946
108.5	42.840	97.977	174.736	223.604	235.821
109.0	43.885	98.620	174.896	222.559	234.695
109.5	45.010	99.344	174.977	221.835	233.490
110.0	46.135	100.067	175.137	221.032	232.525
110.5	47.261	100.790	175.298	220.308	231.641

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111.0	48.386	101.514	175.379	219.665	230.677
111.5	49.511	102.157	175.459	219.183	229.873
112.0	50.717	102.880	175.620	218.701	228.908
112.5	51.922	103.604	175.780	218.138	228.024
113.0	53.208	104.327	176.022	217.736	227.622
113.5	54.414	104.970	176.022	217.334	227.060
114.0	55.700	105.613	176.182	217.013	226.497
114.5	56.906	106.336	176.343	216.611	226.015
115.0	58.192	106.899	176.504	216.370	225.613
115.5	59.478	107.622	176.504	216.129	225.211
116.0	60.683	108.265	176.745	215.807	224.729
116.5	61.808	108.908	176.906	215.486	224.568
117.0	63.094	109.632	177.066	215.486	224.166
117.5	64.300	110.194	177.227	215.164	223.925
118.0	65.345	110.757	177.388	215.003	223.604
118.5	66.551	111.320	177.468	214.762	223.523
119.0	67.595	111.882	177.629	214.521	223.041
119.5	68.721	112.284	177.790	214.280	222.961
120.0	69.766	112.686	177.709	214.119	222.559
120.5	70.810	113.168	177.790	213.798	222.478
121.0	71.855	113.490	177.951	213.557	222.157
121.5	72.981	113.892	177.870	213.235	221.996
122.0	74.025	114.374	177.870	213.074	221.755
122.5	75.070	114.856	177.951	212.753	221.192
123.0	76.115	115.338	177.870	212.431	221.112
123.5	77.080	115.740	177.709	212.190	220.630
124.0	77.883	116.062	177.709	211.949	220.549
124.5	78.687	116.383	177.709	211.547	220.228
125.0	79.491	116.785	177.549	211.145	219.906
125.5	80.295	117.026	177.388	210.904	219.504
126.0	81.018	117.348	177.308	210.422	219.183
126.5	81.661	117.750	177.147	210.101	218.942
127.0	82.384	117.910	176.986	209.699	218.620
127.5	82.947	118.151	176.745	209.297	218.058
128.0	83.670	118.151	176.665	208.815	217.736
128.5	84.233	118.312	176.343	208.413	217.415
129.0	84.796	118.473	176.022	208.011	217.013
129.5	85.278	118.714	175.459	207.368	216.531
130.0	85.680	118.875	174.896	206.966	216.048
130.5	86.082	119.036	174.253	206.484	215.486
131.0	86.323	119.277	173.610	205.760	214.923
131.5	86.644	119.518	172.967	205.117	214.360
132.0	86.966	119.759	172.244	204.715	213.878
132.5	87.127	119.839	171.440	203.912	213.155
133.0	87.368	119.920	171.119	203.188	212.271
133.5	87.448	119.839	170.636	202.626	211.869
134.0	87.529	119.679	170.315	201.983	211.306
134.5	87.770	119.357	169.913	201.259	210.261
135.0	88.011	119.116	169.431	200.295	209.458
135.5	87.930	118.473	169.029	199.652	208.815
136.0	88.091	118.393	168.466	198.848	208.011
136.5	88.252	118.151	168.064	197.964	207.207
137.0	88.332	117.750	167.421	197.241	206.323
137.5	88.413	117.348	166.859	196.276	205.519
138.0	88.573	117.107	166.055	195.472	204.555
138.5	88.573	116.785	165.010	194.588	203.831

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

139.0	88.493	116.544	163.804	193.543	202.706
139.5	88.493	116.222	162.358	192.418	201.902
140.0	88.493	115.821	160.750	191.373	200.777
140.5	88.493	115.579	159.303	190.087	199.571
141.0	88.493	115.419	157.696	188.721	198.607
141.5	88.493	115.097	156.088	187.515	197.642
142.0	88.413	114.936	154.561	185.988	196.598
142.5	88.332	114.695	152.954	184.622	195.392
143.0	88.252	114.454	151.427	183.336	194.186
143.5	88.252	114.133	149.658	181.969	193.061
144.0	88.252	113.731	148.131	180.924	191.775
144.5	88.493	113.409	146.604	179.719	190.650
145.0	88.815	113.088	144.916	178.674	189.364
145.5	89.377	112.686	143.389	177.629	188.078
146.0	90.101	112.364	141.942	176.504	186.872
146.5	90.824	112.043	140.737	175.298	185.506
147.0	91.547	111.641	139.370	174.093	184.139
147.5	92.190	111.480	138.326	172.887	182.773
148.0	92.914	111.159	137.200	171.520	181.326
148.5	93.557	111.078	136.316	170.234	179.880
149.0	94.360	111.078	135.352	168.948	178.594
149.5	94.923	111.320	134.468	167.582	176.986
150.0	95.566	111.480	133.583	166.296	175.298
150.5	96.129	111.561	132.619	164.849	173.530
151.0	96.531	111.802	131.333	163.403	171.440
151.5	96.932	111.882	129.967	161.875	169.511
152.0	97.415	112.043	128.681	160.268	167.582
152.5	97.897	112.204	127.475	158.580	165.492
153.0	98.218	112.284	126.189	156.651	163.804
153.5	98.620	112.525	124.823	154.642	161.875
154.0	98.942	112.445	123.617	152.391	160.268
154.5	99.344	112.525	122.572	150.221	158.660
155.0	99.504	112.686	121.527	147.729	157.455
155.5	99.826	112.766	120.482	145.399	156.169
156.0	100.067	112.766	119.759	142.907	155.044
156.5	100.469	112.766	119.036	140.415	153.597
157.0	100.630	112.927	118.312	138.165	152.230
157.5	100.871	112.927	117.830	135.995	150.703
158.0	101.192	112.847	117.589	133.744	149.257
158.5	101.273	112.847	117.267	131.896	147.569
159.0	101.675	112.606	117.026	130.127	146.122
159.5	101.996	112.445	116.624	128.439	144.514
160.0	102.398	112.284	116.222	127.073	142.907
160.5	102.880	112.204	115.901	125.787	141.380
161.0	103.202	111.963	115.821	124.421	139.853
161.5	103.684	111.882	115.660	123.054	138.727
162.0	104.086	111.721	115.901	121.929	137.763
162.5	104.488	111.721	116.062	120.723	136.638
163.0	104.970	111.641	116.142	119.437	135.673
163.5	105.372	111.641	116.303	118.071	134.468
164.0	105.533	111.641	116.464	116.383	133.342
164.5	105.774	111.480	116.303	115.097	131.896
165.0	106.015	111.480	116.062	113.811	130.449
165.5	106.256	111.400	115.821	112.927	128.922
166.0	106.497	111.320	115.660	111.963	126.591
166.5	106.738	111.320	115.419	111.159	125.466

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	107.060	111.320	115.178	110.435	124.581
167.5	107.220	111.320	114.695	109.792	123.697
168.0	107.462	111.320	114.293	109.149	122.974
168.5	107.944	110.998	113.731	108.587	122.090
169.0	108.185	111.078	113.329	108.024	121.206
169.5	108.587	110.837	112.686	107.381	120.241
170.0	108.748	110.757	112.123	106.577	119.357
170.5	108.989	110.596	111.400	105.693	118.393
171.0	109.149	110.435	110.596	104.729	117.187
171.5	109.391	110.435	109.873	103.845	116.222
172.0	109.792	110.275	109.471	102.961	114.776
172.5	110.034	110.275	108.989	101.996	113.168
173.0	110.355	110.114	108.587	101.112	110.435
173.5	110.757	110.194	108.426	100.228	106.336
174.0	111.078	110.194	108.346	99.504	101.273
174.5	111.320	110.194	108.185	98.781	95.245
175.0	111.802	110.435	108.105	98.218	88.413
175.5	111.963	110.516	108.024	97.977	81.259
176.0	112.284	110.677	108.024	97.736	76.597
176.5	112.364	110.757	107.944	97.736	73.302
177.0	112.686	110.918	107.783	97.495	69.926
177.5	112.766	110.918	107.542	97.415	69.203
178.0	113.088	111.078	107.462	97.334	69.364
178.5	113.249	111.159	107.542	97.174	69.524
179.0	113.409	111.159	107.462	96.932	69.605
179.5	113.570	111.159	107.381	96.852	69.685
180.0	101.835	101.835	101.835	101.835	101.835

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	920.19	N.A.	11.70
0-30	1928.12	N.A.	24.50
0-40	3097.25	N.A.	39.40
0-60	5241.7	N.A.	66.70
0-80	6530.22	N.A.	83.10
0-90	6854.28	N.A.	87.30
10-90	6614.38	N.A.	84.20
20-40	2177.06	N.A.	27.70
20-50	3328.37	N.A.	42.40
40-70	2908.33	N.A.	37.00
60-80	1288.52	N.A.	16.40
70-80	524.64	N.A.	6.70
80-90	324.06	N.A.	4.10
90-110	378.50	N.A.	4.80
90-120	537.85	N.A.	6.80
90-130	684.51	N.A.	8.70
90-150	898.63	N.A.	11.40
90-180	1000.99	N.A.	12.70
110-180	622.49	N.A.	7.90
0-180	7855.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	239.90
10-20	680.30
20-30	1007.92
30-40	1169.14
40-50	1151.31
50-60	993.13
60-70	763.88
70-80	524.64
80-90	324.06
90-100	207.63
100-110	170.88
110-120	159.35
120-130	146.65
130-140	123.24
140-150	90.89
150-160	59.42
160-170	32.74
170-180	10.20

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L85-827-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-L85-827-DIM-UNV_.IES

UGR TABLE - CORRECTED

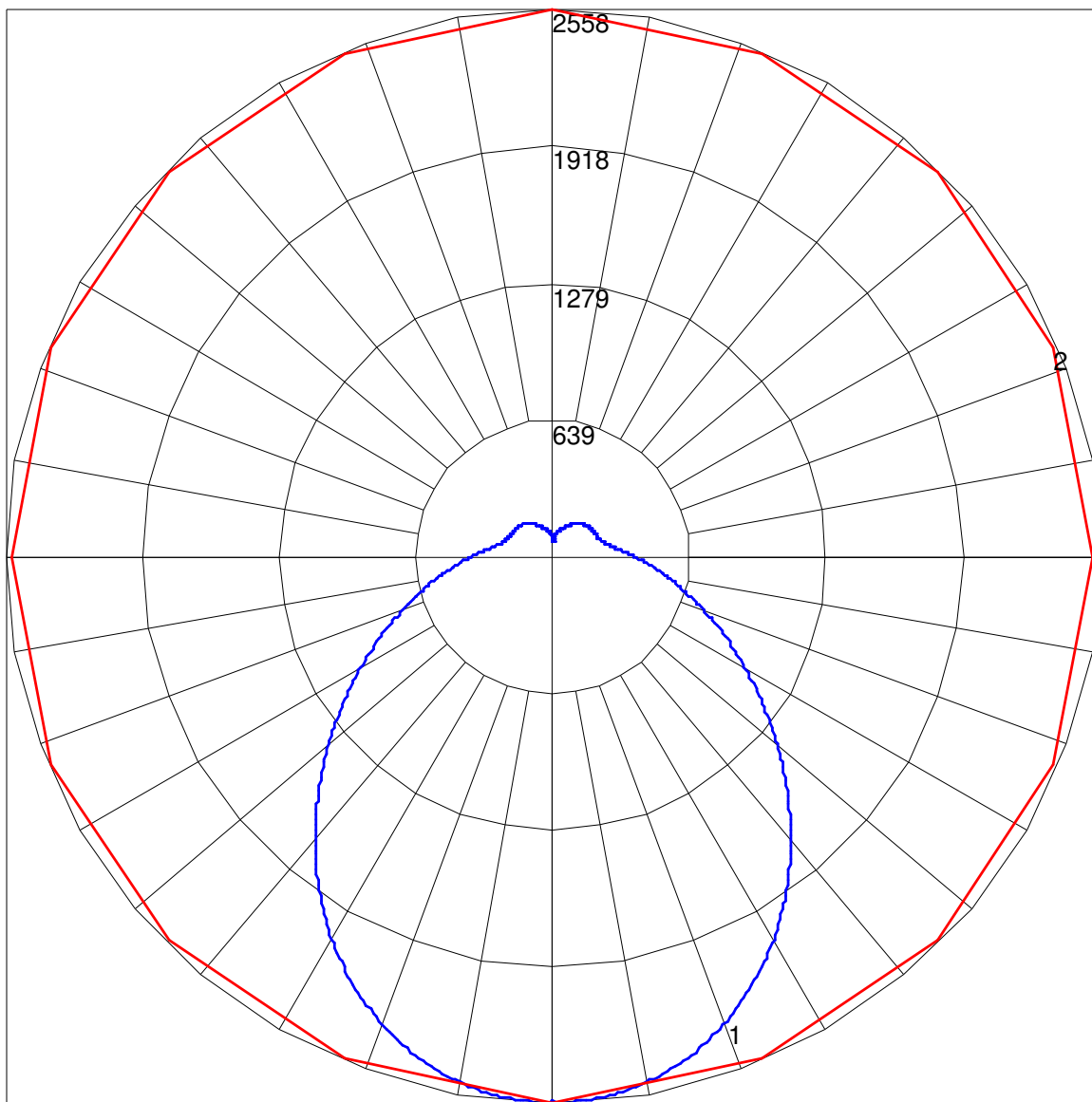
Reflectances

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	26.4	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	24.9	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 = 2557.536 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.)