

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L100-830-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-L100-830-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	9520
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	167
Total Luminaire Watts	56.9
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	20888	18710	18526
55	18088	16017	16264
65	15205	13719	14494
75	12194	11984	13548
85	8944	11789	14314

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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	3081.066	3081.066	3081.066	3081.066	3081.066
0.5	3066.454	3078.143	3080.092	3079.117	3099.573
1.0	3066.454	3079.117	3079.117	3078.143	3098.599
1.5	3063.532	3079.117	3078.143	3077.169	3099.573
2.0	3062.558	3076.195	3078.143	3076.195	3096.651
2.5	3062.558	3076.195	3075.221	3075.221	3094.703
3.0	3059.636	3073.273	3073.273	3073.273	3092.755
3.5	3057.687	3070.351	3070.351	3071.325	3090.807
4.0	3055.739	3068.402	3068.402	3067.428	3088.858
4.5	3050.869	3065.480	3066.454	3065.480	3085.936
5.0	3047.946	3062.558	3062.558	3062.558	3083.014
5.5	3044.050	3058.661	3058.661	3059.636	3079.117
6.0	3042.102	3053.791	3054.765	3054.765	3075.221
6.5	3035.283	3049.895	3050.869	3050.869	3070.351
7.0	3031.387	3045.024	3045.998	3045.024	3066.454
7.5	3027.490	3039.180	3041.128	3041.128	3061.584
8.0	3022.620	3035.283	3035.283	3035.283	3054.765
8.5	3017.749	3028.464	3030.413	3030.413	3048.920
9.0	3009.957	3023.594	3024.568	3023.594	3042.102
9.5	3005.086	3016.775	3016.775	3016.775	3038.205
10.0	2997.293	3008.983	3008.983	3010.931	3030.413
10.5	2990.475	3002.164	3003.138	3003.138	3023.594
11.0	2983.656	2995.345	2996.319	2995.345	3015.801
11.5	2974.889	2987.552	2989.501	2987.552	3008.983
12.0	2967.096	2978.786	2980.734	2980.734	3000.216
12.5	2959.304	2970.019	2972.941	2970.993	2992.423
13.0	2950.537	2962.226	2964.174	2963.200	2983.656
13.5	2941.770	2952.485	2954.433	2954.433	2975.863
14.0	2931.055	2942.744	2944.692	2944.692	2965.148
14.5	2922.288	2933.003	2934.951	2934.951	2957.355
15.0	2913.521	2923.262	2924.236	2924.236	2945.666
15.5	2902.806	2911.573	2914.495	2914.495	2933.977
16.0	2891.117	2900.858	2903.780	2903.780	2924.236
16.5	2881.376	2889.169	2892.091	2893.065	2913.521
17.0	2867.739	2876.505	2880.402	2881.376	2901.832
17.5	2856.049	2864.816	2868.713	2869.687	2890.143
18.0	2845.334	2853.127	2856.049	2858.972	2879.428
18.5	2832.671	2841.438	2844.360	2846.309	2866.765
19.0	2820.008	2826.827	2831.697	2833.645	2853.127
19.5	2805.396	2815.137	2819.034	2822.930	2840.464
20.0	2789.811	2800.526	2805.396	2808.319	2826.827
20.5	2774.225	2787.863	2791.759	2795.656	2814.163
21.0	2761.562	2772.277	2775.200	2782.992	2800.526
21.5	2746.951	2757.666	2762.536	2766.433	2785.915
22.0	2731.365	2744.028	2748.899	2752.795	2773.251
22.5	2717.728	2726.495	2733.313	2739.158	2758.640
23.0	2701.168	2710.909	2717.728	2723.572	2743.054
23.5	2683.634	2694.350	2703.116	2708.961	2728.443
24.0	2666.101	2677.790	2686.557	2693.375	2712.857
24.5	2651.489	2661.230	2670.971	2676.816	2695.324
25.0	2634.930	2644.671	2655.386	2661.230	2679.738
25.5	2616.422	2628.111	2636.878	2645.645	2661.230
26.0	2598.888	2609.603	2621.292	2629.085	2646.619
26.5	2580.380	2591.095	2604.733	2611.551	2630.059

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27.0	2561.872	2571.613	2588.173	2596.940	2613.500
27.5	2540.442	2553.106	2569.665	2577.458	2596.940
28.0	2524.857	2534.598	2551.157	2559.924	2578.432
28.5	2504.401	2516.090	2532.650	2541.416	2559.924
29.0	2484.919	2496.608	2513.168	2523.883	2542.391
29.5	2464.463	2476.152	2493.686	2504.401	2522.909
30.0	2444.007	2456.670	2474.204	2487.841	2506.349
30.5	2422.577	2435.240	2455.696	2469.333	2486.867
31.0	2402.121	2414.784	2435.240	2449.851	2466.411
31.5	2380.691	2395.302	2415.758	2431.344	2448.877
32.0	2360.235	2372.898	2396.276	2410.888	2428.421
32.5	2337.830	2351.468	2375.820	2391.406	2408.939
33.0	2316.400	2331.012	2353.416	2371.924	2389.457
33.5	2295.944	2309.582	2333.934	2350.494	2369.001
34.0	2271.592	2287.177	2312.504	2331.012	2350.494
34.5	2249.188	2265.747	2292.048	2309.582	2329.064
35.0	2228.732	2242.369	2271.592	2290.100	2308.608
35.5	2202.431	2220.939	2249.188	2268.670	2287.177
36.0	2181.975	2197.561	2227.758	2247.239	2266.721
36.5	2156.649	2174.182	2205.353	2226.783	2247.239
37.0	2133.270	2151.778	2182.949	2204.379	2226.783
37.5	2108.918	2127.426	2161.519	2184.897	2204.379
38.0	2084.565	2104.047	2138.141	2162.493	2181.001
38.5	2059.239	2079.695	2115.737	2142.037	2159.571
39.0	2036.835	2055.343	2092.358	2119.633	2142.037
39.5	2011.508	2032.938	2069.954	2097.229	2118.659
40.0	1984.234	2007.612	2046.576	2076.773	2096.255
40.5	1958.907	1983.259	2024.171	2055.343	2074.824
41.0	1935.529	1958.907	2000.793	2032.938	2052.420
41.5	1910.202	1934.555	1977.415	2010.534	2030.990
42.0	1884.876	1910.202	1954.037	1989.104	2009.560
42.5	1860.523	1884.876	1929.684	1966.700	1987.156
43.0	1833.249	1860.523	1907.280	1945.270	1965.726
43.5	1809.870	1835.197	1882.928	1922.866	1944.296
44.0	1783.570	1809.870	1858.575	1901.435	1921.891
44.5	1759.217	1785.518	1834.223	1878.057	1899.487
45.0	1733.891	1760.191	1810.844	1857.601	1879.031
45.5	1708.564	1735.839	1787.466	1836.171	1857.601
46.0	1683.238	1710.513	1762.140	1812.793	1835.197
46.5	1657.911	1685.186	1740.710	1793.311	1813.767
47.0	1631.611	1660.834	1716.357	1769.932	1792.337
47.5	1606.284	1635.507	1692.005	1747.528	1769.932
48.0	1581.932	1610.181	1667.652	1727.072	1747.528
48.5	1554.657	1585.828	1645.248	1703.694	1726.098
49.0	1530.305	1559.528	1619.922	1681.290	1703.694
49.5	1504.978	1535.175	1596.543	1659.860	1682.264
50.0	1478.678	1509.849	1573.165	1636.481	1659.860
50.5	1454.325	1485.496	1548.813	1616.999	1639.404
51.0	1428.999	1460.170	1527.383	1594.595	1617.973
51.5	1404.646	1434.843	1503.030	1573.165	1596.543
52.0	1378.346	1410.491	1479.652	1550.761	1575.113
52.5	1353.019	1385.165	1457.248	1528.357	1554.657
53.0	1326.719	1360.812	1433.869	1508.875	1532.253
53.5	1301.392	1336.460	1411.465	1486.470	1511.797
54.0	1277.040	1312.107	1389.061	1465.040	1491.341
54.5	1253.662	1286.781	1366.657	1445.558	1470.885

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55.0	1229.309	1263.403	1344.252	1423.154	1452.377
55.5	1208.853	1239.050	1321.848	1402.698	1429.973
56.0	1185.475	1217.620	1300.418	1382.242	1409.517
56.5	1161.122	1195.216	1278.014	1361.786	1390.035
57.0	1137.744	1172.812	1256.584	1341.330	1369.579
57.5	1113.392	1149.433	1238.076	1321.848	1347.175
58.0	1089.039	1126.055	1216.646	1300.418	1330.615
58.5	1065.661	1102.677	1195.216	1281.910	1311.133
59.0	1042.283	1079.298	1174.760	1265.351	1290.677
59.5	1018.904	1056.894	1156.252	1244.895	1275.092
60.0	995.526	1033.516	1135.796	1225.413	1255.610
60.5	972.635	1011.112	1115.340	1206.905	1236.128
61.0	949.646	988.707	1094.884	1188.397	1217.620
61.5	926.852	966.498	1074.428	1169.889	1200.086
62.0	904.448	944.483	1054.946	1152.356	1181.578
62.5	882.336	922.664	1034.490	1134.822	1164.045
63.0	859.932	900.941	1015.008	1116.314	1148.459
63.5	837.723	879.511	996.500	1098.780	1130.925
64.0	816.098	858.373	977.018	1080.272	1113.392
64.5	794.570	837.723	958.510	1062.739	1095.858
65.0	773.237	816.974	939.905	1045.205	1079.298
65.5	752.197	796.713	921.495	1027.671	1061.765
66.0	730.864	776.452	903.279	1010.138	1045.205
66.5	710.019	756.678	885.161	993.578	1028.645
67.0	689.660	737.098	867.140	976.044	1012.086
67.5	669.204	717.811	849.509	959.679	995.526
68.0	649.040	699.011	831.975	943.120	979.941
68.5	629.169	680.309	814.831	927.047	963.673
69.0	609.394	661.801	797.882	910.877	948.282
69.5	589.913	643.683	781.128	895.194	932.989
70.0	570.528	625.857	764.665	879.804	917.793
70.5	551.631	608.226	748.203	864.413	902.792
71.0	532.928	590.789	732.033	849.217	887.986
71.5	514.420	573.743	716.253	834.411	873.374
72.0	496.302	556.598	700.472	819.702	859.153
72.5	478.086	540.039	685.082	805.285	845.028
73.0	460.358	523.577	669.788	791.063	830.806
73.5	443.116	507.309	654.982	776.939	816.974
74.0	426.070	491.529	639.981	763.302	803.045
74.5	409.315	475.651	625.662	749.762	789.894
75.0	392.658	460.163	611.440	736.514	777.134
75.5	376.293	445.064	597.413	723.364	764.178
76.0	360.416	430.258	583.776	710.311	751.515
76.5	344.635	415.647	570.236	697.550	738.852
77.0	329.050	401.133	556.891	684.887	726.578
77.5	313.756	387.008	543.740	672.613	714.402
78.0	298.658	373.176	530.980	660.534	702.421
78.5	283.852	359.539	518.316	648.358	690.537
79.0	269.338	346.291	506.043	636.572	678.848
79.5	254.921	333.141	493.964	625.077	667.158
80.0	240.699	320.185	481.885	613.680	656.054
80.5	226.867	307.620	470.196	602.186	644.754
81.0	213.424	295.248	458.994	591.081	633.747
81.5	199.787	283.170	447.792	580.074	622.740
82.0	186.637	271.383	436.882	569.457	612.122
82.5	173.779	259.791	426.167	558.839	601.699

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83.0	161.115	248.492	415.647	548.611	591.569
83.5	148.550	237.485	405.614	538.188	581.048
84.0	136.276	226.770	395.873	528.350	571.015
84.5	124.100	216.444	386.326	518.609	561.177
85.0	112.411	206.411	376.975	508.965	551.338
85.5	100.722	196.865	367.819	499.614	541.792
86.0	89.227	187.708	358.857	490.457	532.343
86.5	77.830	179.136	350.382	481.301	522.895
87.0	66.628	170.856	341.810	472.631	513.641
87.5	55.426	163.161	333.725	463.865	504.777
88.0	44.321	155.661	325.738	455.390	495.815
88.5	33.119	148.647	318.042	447.013	487.145
89.0	22.891	142.023	310.737	438.928	478.573
89.5	14.514	135.886	303.626	431.135	470.196
90.0	8.669	130.431	297.099	423.732	462.501
90.5	6.137	125.658	291.060	416.329	454.318
91.0	6.526	121.275	284.923	408.828	446.526
91.5	7.793	117.086	278.786	401.717	438.733
92.0	9.254	113.580	272.942	394.509	431.135
92.5	10.812	110.560	267.974	387.593	423.634
93.0	12.371	107.930	262.811	381.066	416.426
93.5	14.027	105.884	257.941	374.637	409.607
94.0	15.780	104.131	253.362	368.598	402.984
94.5	17.436	102.865	249.076	362.461	396.165
95.0	19.092	101.890	245.083	356.422	389.638
95.5	20.651	101.209	241.381	350.675	383.209
96.0	21.917	100.916	238.166	345.122	376.878
96.5	23.183	100.916	234.952	339.960	371.033
97.0	24.352	101.014	232.030	334.992	365.189
97.5	25.619	101.403	229.302	330.219	359.831
98.0	26.690	101.793	226.867	325.543	354.376
98.5	27.957	102.280	224.821	321.062	349.311
99.0	29.223	102.865	222.678	316.873	344.343
99.5	30.587	103.546	220.828	312.880	339.472
100.0	31.756	104.228	219.366	309.178	335.089
100.5	33.119	105.008	217.905	305.574	330.608
101.0	34.288	105.787	216.834	302.165	326.614
101.5	35.457	106.566	215.762	298.950	322.523
102.0	36.529	107.345	214.983	295.930	318.919
102.5	37.600	108.125	214.204	293.105	315.315
103.0	38.672	109.001	213.619	290.281	312.100
103.5	39.841	109.878	213.132	287.845	308.788
104.0	41.107	110.657	212.645	285.605	305.769
104.5	42.373	111.534	212.353	283.462	302.944
105.0	43.542	112.411	212.061	281.514	300.216
105.5	44.614	113.190	211.768	279.468	297.879
106.0	45.880	114.164	211.671	277.715	295.541
106.5	47.049	115.041	211.671	276.059	293.203
107.0	48.218	116.015	211.671	274.500	291.255
107.5	49.289	116.794	211.671	273.331	289.209
108.0	50.653	117.768	211.671	271.968	287.164
108.5	51.919	118.742	211.768	270.994	285.800
109.0	53.186	119.522	211.963	269.727	284.436
109.5	54.549	120.398	212.061	268.850	282.975
110.0	55.913	121.275	212.256	267.876	281.806
110.5	57.277	122.152	212.450	267.000	280.734

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CANDELA TABULATION - (Cont.)

111.0	58.641	123.028	212.548	266.220	279.566
111.5	60.004	123.808	212.645	265.636	278.591
112.0	61.465	124.684	212.840	265.052	277.423
112.5	62.927	125.561	213.035	264.370	276.351
113.0	64.485	126.438	213.327	263.883	275.864
113.5	65.946	127.217	213.327	263.396	275.182
114.0	67.505	127.996	213.522	263.006	274.500
114.5	68.966	128.873	213.717	262.519	273.916
115.0	70.525	129.555	213.911	262.227	273.429
115.5	72.083	130.431	213.911	261.934	272.942
116.0	73.544	131.211	214.204	261.545	272.357
116.5	74.908	131.990	214.399	261.155	272.162
117.0	76.467	132.867	214.593	261.155	271.675
117.5	77.928	133.549	214.788	260.765	271.383
118.0	79.194	134.230	214.983	260.571	270.994
118.5	80.655	134.912	215.080	260.278	270.896
119.0	81.921	135.594	215.275	259.986	270.312
119.5	83.285	136.081	215.470	259.694	270.214
120.0	84.552	136.568	215.373	259.499	269.727
120.5	85.818	137.153	215.470	259.110	269.630
121.0	87.084	137.542	215.665	258.817	269.240
121.5	88.448	138.029	215.567	258.428	269.045
122.0	89.714	138.614	215.567	258.233	268.753
122.5	90.981	139.198	215.665	257.843	268.071
123.0	92.247	139.783	215.567	257.454	267.974
123.5	93.416	140.270	215.373	257.161	267.389
124.0	94.390	140.659	215.373	256.869	267.292
124.5	95.364	141.049	215.373	256.382	266.902
125.0	96.338	141.536	215.178	255.895	266.513
125.5	97.312	141.828	214.983	255.603	266.026
126.0	98.189	142.218	214.886	255.018	265.636
126.5	98.968	142.705	214.691	254.629	265.344
127.0	99.845	142.900	214.496	254.142	264.954
127.5	100.527	143.192	214.204	253.655	264.272
128.0	101.403	143.192	214.106	253.070	263.883
128.5	102.085	143.387	213.717	252.583	263.493
129.0	102.767	143.582	213.327	252.096	263.006
129.5	103.352	143.874	212.645	251.317	262.421
130.0	103.839	144.069	211.963	250.830	261.837
130.5	104.326	144.264	211.184	250.245	261.155
131.0	104.618	144.556	210.405	249.369	260.473
131.5	105.008	144.848	209.625	248.589	259.791
132.0	105.397	145.140	208.749	248.102	259.207
132.5	105.592	145.238	207.775	247.128	258.330
133.0	105.884	145.335	207.385	246.251	257.259
133.5	105.982	145.238	206.801	245.570	256.772
134.0	106.079	145.043	206.411	244.790	256.090
134.5	106.371	144.653	205.924	243.914	254.824
135.0	106.664	144.361	205.339	242.745	253.849
135.5	106.566	143.582	204.852	241.965	253.070
136.0	106.761	143.484	204.171	240.991	252.096
136.5	106.956	143.192	203.683	239.920	251.122
137.0	107.053	142.705	202.904	239.043	250.050
137.5	107.151	142.218	202.222	237.874	249.076
138.0	107.345	141.926	201.248	236.900	247.907
138.5	107.345	141.536	199.982	235.829	247.031

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

139.0	107.248	141.244	198.521	234.562	245.667
139.5	107.248	140.854	196.767	233.199	244.693
140.0	107.248	140.367	194.819	231.932	243.329
140.5	107.248	140.075	193.066	230.374	241.868
141.0	107.248	139.880	191.118	228.718	240.699
141.5	107.248	139.491	189.169	227.257	239.530
142.0	107.151	139.296	187.319	225.406	238.264
142.5	107.053	139.003	185.370	223.750	236.803
143.0	106.956	138.711	183.520	222.191	235.342
143.5	106.956	138.322	181.377	220.535	233.978
144.0	106.956	137.835	179.526	219.269	232.419
144.5	107.248	137.445	177.675	217.808	231.056
145.0	107.638	137.055	175.630	216.542	229.497
145.5	108.319	136.568	173.779	215.275	227.938
146.0	109.196	136.179	172.025	213.911	226.477
146.5	110.073	135.789	170.564	212.450	224.821
147.0	110.950	135.302	168.908	210.989	223.165
147.5	111.729	135.107	167.642	209.528	221.509
148.0	112.605	134.717	166.278	207.872	219.756
148.5	113.385	134.620	165.207	206.314	218.003
149.0	114.359	134.620	164.038	204.755	216.444
149.5	115.041	134.912	162.966	203.099	214.496
150.0	115.820	135.107	161.895	201.540	212.450
150.5	116.502	135.205	160.726	199.787	210.307
151.0	116.989	135.497	159.167	198.034	207.775
151.5	117.476	135.594	157.511	196.183	205.437
152.0	118.060	135.789	155.953	194.235	203.099
152.5	118.645	135.984	154.492	192.189	200.566
153.0	119.035	136.081	152.933	189.851	198.521
153.5	119.522	136.373	151.277	187.416	196.183
154.0	119.911	136.276	149.816	184.689	194.235
154.5	120.398	136.373	148.550	182.059	192.287
155.0	120.593	136.568	147.283	179.039	190.825
155.5	120.983	136.666	146.017	176.214	189.267
156.0	121.275	136.666	145.140	173.194	187.903
156.5	121.762	136.666	144.264	170.175	186.150
157.0	121.957	136.860	143.387	167.447	184.494
157.5	122.249	136.860	142.802	164.817	182.643
158.0	122.639	136.763	142.510	162.090	180.890
158.5	122.736	136.763	142.121	159.849	178.844
159.0	123.223	136.471	141.828	157.706	177.091
159.5	123.613	136.276	141.341	155.661	175.142
160.0	124.100	136.081	140.854	154.005	173.194
160.5	124.684	135.984	140.465	152.446	171.343
161.0	125.074	135.692	140.367	150.790	169.493
161.5	125.658	135.594	140.172	149.134	168.129
162.0	126.145	135.399	140.465	147.770	166.960
162.5	126.632	135.399	140.659	146.309	165.596
163.0	127.217	135.302	140.757	144.751	164.427
163.5	127.704	135.302	140.952	143.095	162.966
164.0	127.899	135.302	141.147	141.049	161.603
164.5	128.191	135.107	140.952	139.491	159.849
165.0	128.483	135.107	140.659	137.932	158.096
165.5	128.775	135.010	140.367	136.860	156.245
166.0	129.068	134.912	140.172	135.692	153.420
166.5	129.360	134.912	139.880	134.717	152.056

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	129.750	134.912	139.588	133.841	150.985
167.5	129.944	134.912	139.003	133.062	149.913
168.0	130.237	134.912	138.516	132.282	149.037
168.5	130.821	134.523	137.835	131.600	147.965
169.0	131.113	134.620	137.348	130.919	146.894
169.5	131.600	134.328	136.568	130.139	145.725
170.0	131.795	134.230	135.886	129.165	144.653
170.5	132.087	134.036	135.010	128.094	143.484
171.0	132.282	133.841	134.036	126.925	142.023
171.5	132.574	133.841	133.159	125.853	140.854
172.0	133.062	133.646	132.672	124.782	139.101
172.5	133.354	133.646	132.087	123.613	137.153
173.0	133.743	133.451	131.600	122.541	133.841
173.5	134.230	133.549	131.406	121.470	128.873
174.0	134.620	133.549	131.308	120.593	122.736
174.5	134.912	133.549	131.113	119.716	115.430
175.0	135.497	133.841	131.016	119.035	107.151
175.5	135.692	133.938	130.919	118.742	98.481
176.0	136.081	134.133	130.919	118.450	92.831
176.5	136.179	134.230	130.821	118.450	88.838
177.0	136.568	134.425	130.626	118.158	84.746
177.5	136.666	134.425	130.334	118.060	83.870
178.0	137.055	134.620	130.237	117.963	84.064
178.5	137.250	134.717	130.334	117.768	84.259
179.0	137.445	134.717	130.237	117.476	84.357
179.5	137.640	134.717	130.139	117.379	84.454
180.0	123.418	123.418	123.418	123.418	123.418

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L100-830-HE-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1115.22	N.A.	11.70
0-30	2336.76	N.A.	24.50
0-40	3753.68	N.A.	39.40
0-60	6352.61	N.A.	66.70
0-80	7914.22	N.A.	83.10
0-90	8306.96	N.A.	87.30
10-90	8016.22	N.A.	84.20
20-40	2638.46	N.A.	27.70
20-50	4033.78	N.A.	42.40
40-70	3524.71	N.A.	37.00
60-80	1561.61	N.A.	16.40
70-80	635.83	N.A.	6.70
80-90	392.74	N.A.	4.10
90-110	458.72	N.A.	4.80
90-120	651.84	N.A.	6.80
90-130	829.58	N.A.	8.70
90-150	1089.08	N.A.	11.40
90-180	1213.14	N.A.	12.70
110-180	754.42	N.A.	7.90
0-180	9520.1	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	290.74
10-20	824.48
20-30	1221.54
30-40	1416.92
40-50	1395.32
50-60	1203.62
60-70	925.78
70-80	635.83
80-90	392.74
90-100	251.63
100-110	207.09
110-120	193.12
120-130	177.74
130-140	149.36
140-150	110.15
150-160	72.02
160-170	39.68
170-180	12.36

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L100-830-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-L100-830-HE-DIM-UNV_.IES

UGR TABLE - CORRECTED

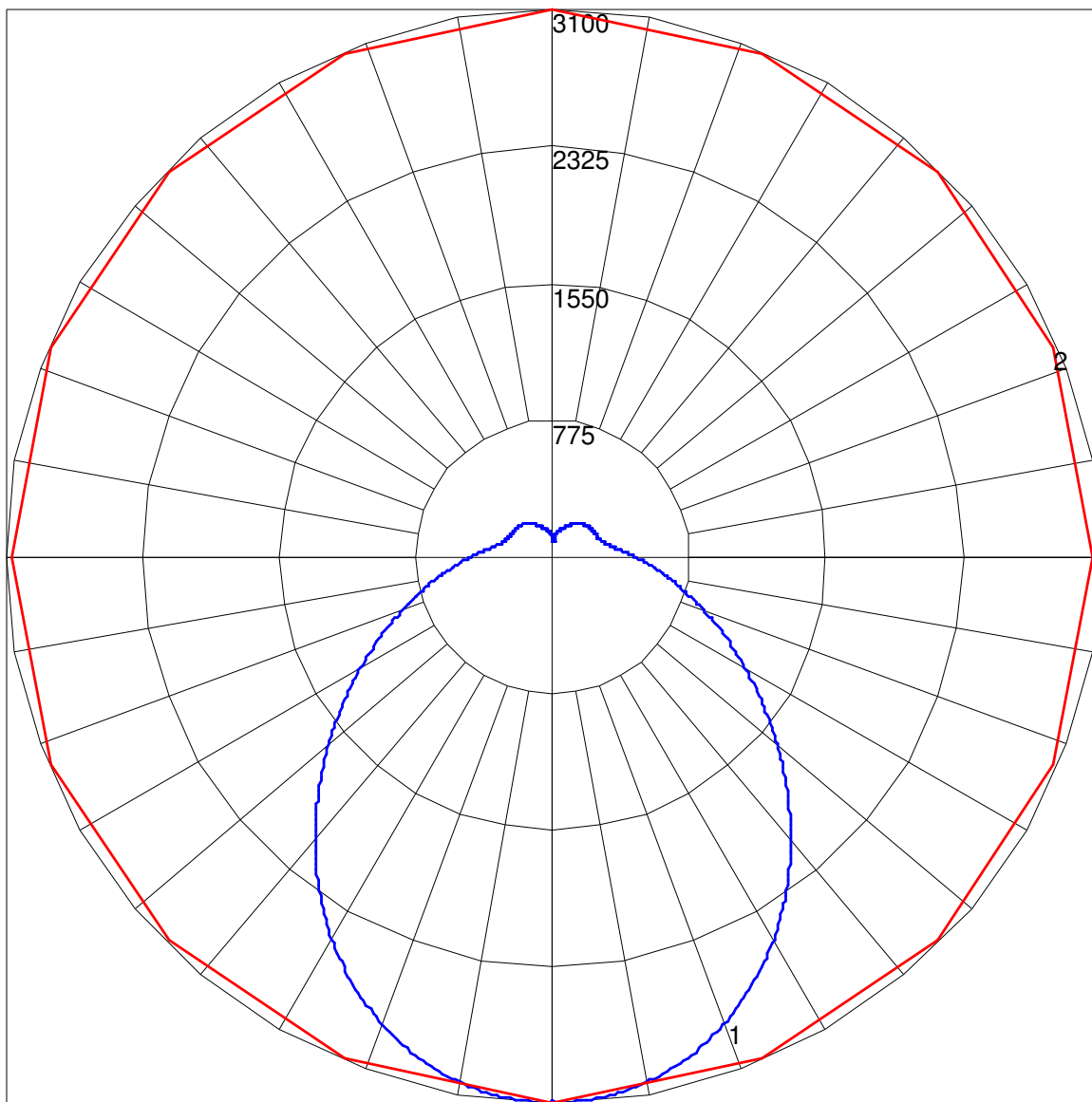
Reflectances

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	19.6	21.0	20.2	21.5	22.1	21.3	22.6	21.8	23.2	23.8
	3H	21.0	22.2	21.5	22.8	23.4	23.5	24.7	24.0	25.3	25.9
	4H	21.4	22.6	22.0	23.2	23.8	24.5	25.7	25.1	26.3	27.0
	6H	21.7	22.8	22.3	23.4	24.1	25.7	26.7	26.3	27.3	28.0
	8H	21.8	22.8	22.4	23.4	24.1	26.2	27.3	26.9	27.9	28.6
	12H	21.8	22.8	22.4	23.4	24.1	26.9	27.9	27.5	28.5	29.2
4H	2H	20.3	21.5	20.9	22.1	22.8	21.7	22.8	22.3	23.4	24.1
	3H	21.9	22.9	22.5	23.5	24.2	24.1	25.1	24.7	25.7	26.4
	4H	22.5	23.4	23.1	24.0	24.8	25.4	26.2	26.0	26.9	27.6
	6H	22.9	23.7	23.6	24.4	25.1	26.7	27.5	27.3	28.1	28.9
	8H	23.0	23.8	23.7	24.4	25.2	27.4	28.1	28.0	28.8	29.5
	12H	23.1	23.8	23.8	24.5	25.2	28.2	28.8	28.8	29.5	30.3
8H	4H	23.1	23.8	23.7	24.5	25.2	25.5	26.3	26.2	26.9	27.7
	6H	23.7	24.3	24.3	25.0	25.7	27.0	27.7	27.7	28.4	29.1
	8H	23.9	24.4	24.5	25.1	25.9	27.9	28.5	28.6	29.2	29.9
	12H	24.0	24.5	24.7	25.2	26.0	28.9	29.4	29.6	30.1	30.9
12H	4H	23.2	23.9	23.9	24.6	25.3	25.5	26.2	26.2	26.9	27.7
	6H	23.9	24.5	24.6	25.2	26.0	27.1	27.7	27.8	28.3	29.1
	8H	24.2	24.7	24.9	25.4	26.2	28.0	28.5	28.7	29.2	30.0

Maximum UGR = 30.9

POLAR GRAPH



Maximum Candela = 3099.573 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.)