

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L100-830-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-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	9544
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	68.3
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	20940	18757	18572
55	18133	16057	16304
65	15243	13753	14531
75	12225	12014	13582
85	8967	11818	14350

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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	3088.756	3088.756	3088.756	3088.756	3088.756
0.5	3074.108	3085.826	3087.779	3086.803	3107.310
1.0	3074.108	3086.803	3086.803	3085.826	3106.333
1.5	3071.178	3086.803	3085.826	3084.849	3107.310
2.0	3070.202	3083.873	3085.826	3083.873	3104.380
2.5	3070.202	3083.873	3082.896	3082.896	3102.427
3.0	3067.272	3080.943	3080.943	3080.943	3100.474
3.5	3065.319	3078.014	3078.014	3078.990	3098.521
4.0	3063.366	3076.061	3076.061	3075.084	3096.568
4.5	3058.483	3073.131	3074.108	3073.131	3093.638
5.0	3055.554	3070.202	3070.202	3070.202	3090.709
5.5	3051.648	3066.295	3066.295	3067.272	3086.803
6.0	3049.694	3061.413	3062.389	3062.389	3082.896
6.5	3042.859	3057.507	3058.483	3058.483	3078.014
7.0	3038.953	3052.624	3053.601	3052.624	3074.108
7.5	3035.047	3046.765	3048.718	3048.718	3069.225
8.0	3030.164	3042.859	3042.859	3042.859	3062.389
8.5	3025.281	3036.023	3037.976	3037.976	3056.530
9.0	3017.469	3031.140	3032.117	3031.140	3049.694
9.5	3012.586	3024.305	3024.305	3024.305	3045.788
10.0	3004.774	3016.493	3016.493	3018.446	3037.976
10.5	2997.939	3009.657	3010.633	3010.633	3031.140
11.0	2991.103	3002.821	3003.798	3002.821	3023.328
11.5	2982.314	2995.009	2996.962	2995.009	3016.493
12.0	2974.502	2986.220	2988.173	2988.173	3007.704
12.5	2966.690	2977.431	2980.361	2978.408	2999.892
13.0	2957.901	2969.619	2971.572	2970.596	2991.103
13.5	2949.112	2959.854	2961.807	2961.807	2983.291
14.0	2938.370	2950.089	2952.042	2952.042	2972.549
14.5	2929.582	2940.323	2942.276	2942.276	2964.737
15.0	2920.793	2930.558	2931.535	2931.535	2953.018
15.5	2910.051	2918.840	2921.769	2921.769	2941.300
16.0	2898.333	2908.098	2911.028	2911.028	2931.535
16.5	2888.567	2896.380	2899.309	2900.286	2920.793
17.0	2874.896	2883.685	2887.591	2888.567	2909.075
17.5	2863.178	2871.967	2875.873	2876.849	2897.356
18.0	2852.436	2860.248	2863.178	2866.107	2886.614
18.5	2839.741	2848.530	2851.459	2853.413	2873.920
19.0	2827.046	2833.882	2838.765	2840.718	2860.248
19.5	2812.398	2822.164	2826.070	2829.976	2847.553
20.0	2796.774	2807.516	2812.398	2815.328	2833.882
20.5	2781.150	2794.821	2798.727	2802.633	2821.187
21.0	2768.455	2779.196	2782.126	2789.938	2807.516
21.5	2753.807	2764.549	2769.431	2773.337	2792.868
22.0	2738.182	2750.877	2755.760	2759.666	2780.173
22.5	2724.511	2733.300	2740.135	2745.995	2765.525
23.0	2707.910	2717.675	2724.511	2730.370	2749.901
23.5	2690.332	2701.074	2709.863	2715.722	2735.253
24.0	2672.755	2684.473	2693.262	2700.098	2719.628
24.5	2658.107	2667.872	2677.638	2683.497	2702.051
25.0	2641.506	2651.271	2662.013	2667.872	2686.426
25.5	2622.952	2634.670	2643.459	2652.248	2667.872
26.0	2605.375	2616.116	2627.835	2635.647	2653.224
26.5	2586.821	2597.562	2611.234	2618.069	2636.623

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27.0	2568.267	2578.032	2594.633	2603.422	2620.023
27.5	2546.783	2559.478	2576.079	2583.891	2603.422
28.0	2531.159	2540.924	2557.525	2566.314	2584.868
28.5	2510.651	2522.370	2538.971	2547.760	2566.314
29.0	2491.121	2502.839	2519.440	2530.182	2548.736
29.5	2470.614	2482.332	2499.910	2510.651	2529.205
30.0	2450.107	2462.802	2480.379	2494.051	2512.605
30.5	2428.623	2441.318	2461.825	2475.496	2493.074
31.0	2408.116	2420.811	2441.318	2455.966	2472.567
31.5	2386.633	2401.280	2421.787	2437.412	2454.989
32.0	2366.125	2378.820	2402.257	2416.905	2434.482
32.5	2343.665	2357.337	2381.750	2397.374	2414.952
33.0	2322.182	2336.830	2359.290	2377.844	2395.421
33.5	2301.675	2315.346	2339.759	2356.360	2374.914
34.0	2277.261	2292.886	2318.276	2336.830	2356.360
34.5	2254.801	2271.402	2297.769	2315.346	2334.877
35.0	2234.294	2247.966	2277.261	2295.815	2314.369
35.5	2207.928	2226.482	2254.801	2274.332	2292.886
36.0	2187.421	2203.045	2233.318	2252.848	2272.379
36.5	2162.031	2179.609	2210.858	2232.341	2252.848
37.0	2138.595	2157.149	2188.397	2209.881	2232.341
37.5	2114.181	2132.735	2166.914	2190.351	2209.881
38.0	2089.768	2109.299	2143.477	2167.890	2186.444
38.5	2064.379	2084.886	2121.017	2147.383	2164.961
39.0	2041.918	2060.472	2097.580	2124.923	2147.383
39.5	2016.529	2038.012	2075.120	2102.463	2123.947
40.0	1989.186	2012.623	2051.684	2081.956	2101.487
40.5	1963.796	1988.209	2029.224	2060.472	2080.003
41.0	1940.360	1963.796	2005.787	2038.012	2057.543
41.5	1914.970	1939.383	1982.350	2015.552	2036.059
42.0	1889.580	1914.970	1958.914	1994.069	2014.576
42.5	1865.167	1889.580	1934.500	1971.608	1992.116
43.0	1837.824	1865.167	1912.040	1950.125	1970.632
43.5	1814.388	1839.777	1887.627	1927.665	1949.148
44.0	1788.021	1814.388	1863.214	1906.181	1926.688
44.5	1763.608	1789.974	1838.801	1882.744	1904.228
45.0	1738.218	1764.585	1815.364	1862.237	1883.721
45.5	1712.829	1740.171	1791.927	1840.754	1862.237
46.0	1687.439	1714.782	1766.538	1817.317	1839.777
46.5	1662.049	1689.392	1745.054	1797.787	1818.294
47.0	1635.683	1664.979	1720.641	1774.350	1796.810
47.5	1610.293	1639.589	1696.228	1751.890	1774.350
48.0	1585.880	1614.199	1671.815	1731.383	1751.890
48.5	1558.537	1589.786	1649.354	1707.946	1730.406
49.0	1534.124	1563.420	1623.965	1685.486	1707.946
49.5	1508.735	1539.007	1600.528	1664.002	1686.462
50.0	1482.368	1513.617	1577.091	1640.566	1664.002
50.5	1457.955	1489.204	1552.678	1621.035	1643.495
51.0	1432.565	1463.814	1531.195	1598.575	1622.012
51.5	1408.152	1438.425	1506.781	1577.091	1600.528
52.0	1381.786	1414.011	1483.345	1554.631	1579.045
52.5	1356.396	1388.622	1460.885	1532.171	1558.537
53.0	1330.030	1364.209	1437.448	1512.641	1536.077
53.5	1304.640	1339.795	1414.988	1490.181	1515.570
54.0	1280.227	1315.382	1392.528	1468.697	1495.063
54.5	1256.791	1289.992	1370.068	1449.166	1474.556

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55.0	1232.377	1266.556	1347.608	1426.706	1456.002
55.5	1211.870	1242.143	1325.147	1406.199	1433.542
56.0	1188.434	1220.659	1303.664	1385.692	1413.035
56.5	1164.020	1198.199	1281.204	1365.185	1393.504
57.0	1140.584	1175.739	1259.720	1344.678	1372.997
57.5	1116.171	1152.302	1241.166	1325.147	1350.537
58.0	1091.757	1128.865	1219.682	1303.664	1333.936
58.5	1068.321	1105.429	1198.199	1285.110	1314.406
59.0	1044.884	1081.992	1177.692	1268.509	1293.899
59.5	1021.447	1059.532	1159.138	1248.002	1278.274
60.0	998.011	1036.095	1138.631	1228.471	1258.744
60.5	975.062	1013.635	1118.124	1209.917	1239.213
61.0	952.016	991.175	1097.617	1191.363	1220.659
61.5	929.166	968.910	1077.110	1172.809	1203.082
62.0	906.706	946.841	1057.579	1155.232	1184.528
62.5	884.538	924.967	1037.072	1137.654	1166.950
63.0	862.078	903.190	1017.541	1119.100	1151.326
63.5	839.813	881.706	998.987	1101.523	1133.748
64.0	818.134	860.516	979.457	1082.969	1116.171
64.5	796.553	839.813	960.903	1065.391	1098.593
65.0	775.167	819.013	942.251	1047.814	1081.992
65.5	754.074	798.702	923.795	1030.236	1064.415
66.0	732.688	778.390	905.534	1012.659	1047.814
66.5	711.791	758.566	887.370	996.058	1031.213
67.0	691.381	738.938	869.305	978.480	1014.612
67.5	670.874	719.603	851.629	962.075	998.011
68.0	650.660	700.756	834.052	945.474	982.386
68.5	630.739	682.007	816.865	929.361	966.078
69.0	610.915	663.453	799.873	913.151	950.649
69.5	591.385	645.289	783.077	897.429	935.318
70.0	571.952	627.419	766.574	881.999	920.084
70.5	553.007	609.744	750.071	866.570	905.045
71.0	534.258	592.264	733.860	851.336	890.202
71.5	515.704	575.175	718.040	836.493	875.554
72.0	497.541	557.988	702.221	821.748	861.297
72.5	479.280	541.387	686.792	807.295	847.137
73.0	461.507	524.883	671.460	793.038	832.880
73.5	444.222	508.575	656.617	778.878	819.013
74.0	427.133	492.756	641.578	765.207	805.049
74.5	410.337	476.838	627.223	751.633	791.866
75.0	393.638	461.311	612.966	738.352	779.073
75.5	377.232	446.175	598.904	725.169	766.086
76.0	361.315	431.332	585.233	712.084	753.391
76.5	345.495	416.684	571.659	699.291	740.696
77.0	329.871	402.134	558.281	686.596	728.392
77.5	314.539	387.974	545.097	674.292	716.185
78.0	299.403	374.108	532.305	662.183	704.174
78.5	284.560	360.436	519.610	649.977	692.260
79.0	270.010	347.155	507.306	638.161	680.542
79.5	255.557	333.972	495.197	626.638	668.823
80.0	241.300	320.984	483.088	615.212	657.691
80.5	227.433	308.387	471.370	603.689	646.363
81.0	213.957	295.985	460.140	592.557	635.329
81.5	200.286	283.876	448.910	581.522	624.294
82.0	187.103	272.060	437.972	570.878	613.650
82.5	174.212	260.440	427.231	560.234	603.201

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83.0	161.518	249.112	416.684	549.980	593.045
83.5	148.920	238.077	406.626	539.531	582.498
84.0	136.616	227.336	396.861	529.668	572.440
84.5	124.410	216.984	387.291	519.903	562.577
85.0	112.691	206.926	377.916	510.235	552.714
85.5	100.973	197.356	368.737	500.861	543.144
86.0	89.450	188.177	359.753	491.681	533.672
86.5	78.025	179.583	351.257	482.502	524.200
87.0	66.794	171.283	342.663	473.811	514.923
87.5	55.564	163.568	334.558	465.022	506.036
88.0	44.432	156.049	326.551	456.526	497.052
88.5	33.202	149.018	318.836	448.128	488.361
89.0	22.948	142.378	311.512	440.023	479.768
89.5	14.550	136.226	304.384	432.211	471.370
90.0	8.691	130.757	297.841	424.789	463.655
90.5	6.152	125.972	291.786	417.368	455.452
91.0	6.543	121.578	285.634	409.848	447.640
91.5	7.812	117.379	279.482	402.720	439.828
92.0	9.277	113.863	273.623	395.494	432.211
92.5	10.839	110.836	268.643	388.560	424.692
93.0	12.402	108.199	263.467	382.017	417.465
93.5	14.062	106.149	258.584	375.572	410.630
94.0	15.820	104.391	253.995	369.518	403.989
94.5	17.480	103.121	249.698	363.366	397.154
95.0	19.140	102.145	245.694	357.311	390.611
95.5	20.702	101.461	241.983	351.550	384.166
96.0	21.972	101.168	238.761	345.984	377.818
96.5	23.241	101.168	235.538	340.808	371.959
97.0	24.413	101.266	232.609	335.828	366.100
97.5	25.683	101.656	229.875	331.043	360.729
98.0	26.757	102.047	227.433	326.355	355.261
98.5	28.026	102.535	225.382	321.863	350.183
99.0	29.296	103.121	223.234	317.664	345.202
99.5	30.663	103.805	221.379	313.661	340.320
100.0	31.835	104.488	219.914	309.950	335.925
100.5	33.202	105.270	218.449	306.337	331.433
101.0	34.374	106.051	217.375	302.919	327.430
101.5	35.546	106.832	216.301	299.696	323.328
102.0	36.620	107.613	215.520	296.669	319.715
102.5	37.694	108.395	214.738	293.837	316.102
103.0	38.768	109.273	214.152	291.005	312.879
103.5	39.940	110.152	213.664	288.564	309.559
104.0	41.209	110.933	213.176	286.318	306.532
104.5	42.479	111.812	212.883	284.169	303.700
105.0	43.651	112.691	212.590	282.216	300.966
105.5	44.725	113.472	212.297	280.166	298.622
106.0	45.994	114.449	212.199	278.408	296.278
106.5	47.166	115.328	212.199	276.748	293.935
107.0	48.338	116.304	212.199	275.185	291.982
107.5	49.412	117.086	212.199	274.014	289.931
108.0	50.779	118.062	212.199	272.646	287.880
108.5	52.049	119.039	212.297	271.670	286.513
109.0	53.318	119.820	212.492	270.400	285.146
109.5	54.686	120.699	212.590	269.522	283.681
110.0	56.053	121.578	212.785	268.545	282.509
110.5	57.420	122.457	212.981	267.666	281.435

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CANDELA TABULATION - (Cont.)

111.0	58.787	123.335	213.078	266.885	280.263
111.5	60.154	124.117	213.176	266.299	279.287
112.0	61.619	124.995	213.371	265.713	278.115
112.5	63.084	125.874	213.567	265.029	277.041
113.0	64.646	126.753	213.859	264.541	276.553
113.5	66.111	127.534	213.859	264.053	275.869
114.0	67.673	128.316	214.055	263.662	275.185
114.5	69.138	129.195	214.250	263.174	274.599
115.0	70.701	129.878	214.445	262.881	274.111
115.5	72.263	130.757	214.445	262.588	273.623
116.0	73.728	131.538	214.738	262.198	273.037
116.5	75.095	132.319	214.934	261.807	272.842
117.0	76.657	133.198	215.129	261.807	272.353
117.5	78.122	133.882	215.324	261.416	272.060
118.0	79.392	134.565	215.520	261.221	271.670
118.5	80.856	135.249	215.617	260.928	271.572
119.0	82.126	135.933	215.813	260.635	270.986
119.5	83.493	136.421	216.008	260.342	270.889
120.0	84.763	136.909	215.910	260.147	270.400
120.5	86.032	137.495	216.008	259.756	270.303
121.0	87.302	137.886	216.203	259.463	269.912
121.5	88.669	138.374	216.105	259.073	269.717
122.0	89.938	138.960	216.105	258.877	269.424
122.5	91.208	139.546	216.203	258.487	268.740
123.0	92.477	140.132	216.105	258.096	268.643
123.5	93.649	140.620	215.910	257.803	268.057
124.0	94.625	141.011	215.910	257.510	267.959
124.5	95.602	141.401	215.910	257.022	267.568
125.0	96.579	141.889	215.715	256.534	267.178
125.5	97.555	142.182	215.520	256.241	266.690
126.0	98.434	142.573	215.422	255.655	266.299
126.5	99.215	143.061	215.227	255.264	266.006
127.0	100.094	143.257	215.031	254.776	265.615
127.5	100.778	143.550	214.738	254.288	264.932
128.0	101.656	143.550	214.641	253.702	264.541
128.5	102.340	143.745	214.250	253.214	264.151
129.0	103.024	143.940	213.859	252.725	263.662
129.5	103.610	144.233	213.176	251.944	263.076
130.0	104.098	144.428	212.492	251.456	262.491
130.5	104.586	144.624	211.711	250.870	261.807
131.0	104.879	144.917	210.930	249.991	261.123
131.5	105.270	145.210	210.149	249.210	260.440
132.0	105.660	145.503	209.270	248.721	259.854
132.5	105.856	145.600	208.293	247.745	258.975
133.0	106.149	145.698	207.903	246.866	257.901
133.5	106.246	145.600	207.317	246.183	257.413
134.0	106.344	145.405	206.926	245.401	256.729
134.5	106.637	145.014	206.438	244.522	255.460
135.0	106.930	144.721	205.852	243.351	254.483
135.5	106.832	143.940	205.364	242.569	253.702
136.0	107.027	143.842	204.680	241.593	252.725
136.5	107.223	143.550	204.192	240.519	251.749
137.0	107.320	143.061	203.411	239.640	250.675
137.5	107.418	142.573	202.727	238.468	249.698
138.0	107.613	142.280	201.751	237.491	248.526
138.5	107.613	141.889	200.481	236.417	247.647

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CANDELA TABULATION - (Cont.)

139.0	107.516	141.596	199.016	235.148	246.280
139.5	107.516	141.206	197.258	233.781	245.304
140.0	107.516	140.718	195.305	232.511	243.936
140.5	107.516	140.425	193.548	230.949	242.472
141.0	107.516	140.229	191.595	229.289	241.300
141.5	107.516	139.839	189.642	227.824	240.128
142.0	107.418	139.643	187.786	225.968	238.859
142.5	107.320	139.350	185.833	224.308	237.394
143.0	107.223	139.057	183.978	222.746	235.929
143.5	107.223	138.667	181.829	221.086	234.562
144.0	107.223	138.179	179.974	219.816	232.999
144.5	107.516	137.788	178.119	218.351	231.632
145.0	107.906	137.397	176.068	217.082	230.070
145.5	108.590	136.909	174.212	215.813	228.507
146.0	109.469	136.519	172.455	214.445	227.043
146.5	110.348	136.128	170.990	212.981	225.382
147.0	111.226	135.640	169.330	211.516	223.722
147.5	112.008	135.444	168.060	210.051	222.062
148.0	112.887	135.054	166.693	208.391	220.305
148.5	113.668	134.956	165.619	206.828	218.547
149.0	114.644	134.956	164.447	205.266	216.984
149.5	115.328	135.249	163.373	203.606	215.031
150.0	116.109	135.444	162.299	202.043	212.981
150.5	116.793	135.542	161.127	200.286	210.832
151.0	117.281	135.835	159.565	198.528	208.293
151.5	117.769	135.933	157.904	196.673	205.950
152.0	118.355	136.128	156.342	194.720	203.606
152.5	118.941	136.323	154.877	192.669	201.067
153.0	119.332	136.421	153.315	190.325	199.016
153.5	119.820	136.714	151.655	187.884	196.673
154.0	120.211	136.616	150.190	185.150	194.720
154.5	120.699	136.714	148.920	182.513	192.766
155.0	120.894	136.909	147.651	179.486	191.302
155.5	121.285	137.007	146.381	176.654	189.739
156.0	121.578	137.007	145.503	173.627	188.372
156.5	122.066	137.007	144.624	170.599	186.614
157.0	122.261	137.202	143.745	167.865	184.954
157.5	122.554	137.202	143.159	165.228	183.099
158.0	122.945	137.104	142.866	162.494	181.341
158.5	123.042	137.104	142.475	160.248	179.290
159.0	123.531	136.811	142.182	158.100	177.533
159.5	123.921	136.616	141.694	156.049	175.580
160.0	124.410	136.421	141.206	154.389	173.627
160.5	124.995	136.323	140.815	152.827	171.771
161.0	125.386	136.030	140.718	151.166	169.916
161.5	125.972	135.933	140.522	149.506	168.549
162.0	126.460	135.737	140.815	148.139	167.377
162.5	126.949	135.737	141.011	146.674	166.010
163.0	127.534	135.640	141.108	145.112	164.838
163.5	128.023	135.640	141.303	143.452	163.373
164.0	128.218	135.640	141.499	141.401	162.006
164.5	128.511	135.444	141.303	139.839	160.248
165.0	128.804	135.444	141.011	138.276	158.490
165.5	129.097	135.347	140.718	137.202	156.635
166.0	129.390	135.249	140.522	136.030	153.803
166.5	129.683	135.249	140.229	135.054	152.436

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	130.073	135.249	139.936	134.175	151.362
167.5	130.269	135.249	139.350	133.394	150.288
168.0	130.562	135.249	138.862	132.612	149.409
168.5	131.148	134.858	138.179	131.929	148.334
169.0	131.441	134.956	137.690	131.245	147.260
169.5	131.929	134.663	136.909	130.464	146.088
170.0	132.124	134.565	136.226	129.488	145.014
170.5	132.417	134.370	135.347	128.413	143.842
171.0	132.612	134.175	134.370	127.241	142.378
171.5	132.905	134.175	133.491	126.167	141.206
172.0	133.394	133.980	133.003	125.093	139.448
172.5	133.687	133.980	132.417	123.921	137.495
173.0	134.077	133.784	131.929	122.847	134.175
173.5	134.565	133.882	131.734	121.773	129.195
174.0	134.956	133.882	131.636	120.894	123.042
174.5	135.249	133.882	131.441	120.015	115.718
175.0	135.835	134.175	131.343	119.332	107.418
175.5	136.030	134.272	131.245	119.039	98.727
176.0	136.421	134.468	131.245	118.746	93.063
176.5	136.519	134.565	131.148	118.746	89.059
177.0	136.909	134.761	130.952	118.453	84.958
177.5	137.007	134.761	130.659	118.355	84.079
178.0	137.397	134.956	130.562	118.257	84.274
178.5	137.593	135.054	130.659	118.062	84.470
179.0	137.788	135.054	130.562	117.769	84.567
179.5	137.983	135.054	130.464	117.672	84.665
180.0	123.726	123.726	123.726	123.726	123.726

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

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1118.00	N.A.	11.70
0-30	2342.59	N.A.	24.50
0-40	3763.05	N.A.	39.40
0-60	6368.47	N.A.	66.70
0-80	7933.97	N.A.	83.10
0-90	8327.69	N.A.	87.30
10-90	8036.23	N.A.	84.20
20-40	2645.04	N.A.	27.70
20-50	4043.84	N.A.	42.40
40-70	3533.51	N.A.	37.00
60-80	1565.51	N.A.	16.40
70-80	637.42	N.A.	6.70
80-90	393.72	N.A.	4.10
90-110	459.87	N.A.	4.80
90-120	653.47	N.A.	6.80
90-130	831.65	N.A.	8.70
90-150	1091.8	N.A.	11.40
90-180	1216.17	N.A.	12.70
110-180	756.30	N.A.	7.90
0-180	9543.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	291.47
10-20	826.53
20-30	1224.59
30-40	1420.46
40-50	1398.8
50-60	1206.62
60-70	928.09
70-80	637.42
80-90	393.72
90-100	252.26
100-110	207.61
110-120	193.60
120-130	178.18
130-140	149.73
140-150	110.42
150-160	72.20
160-170	39.78
170-180	12.39

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

UGR TABLE - CORRECTED

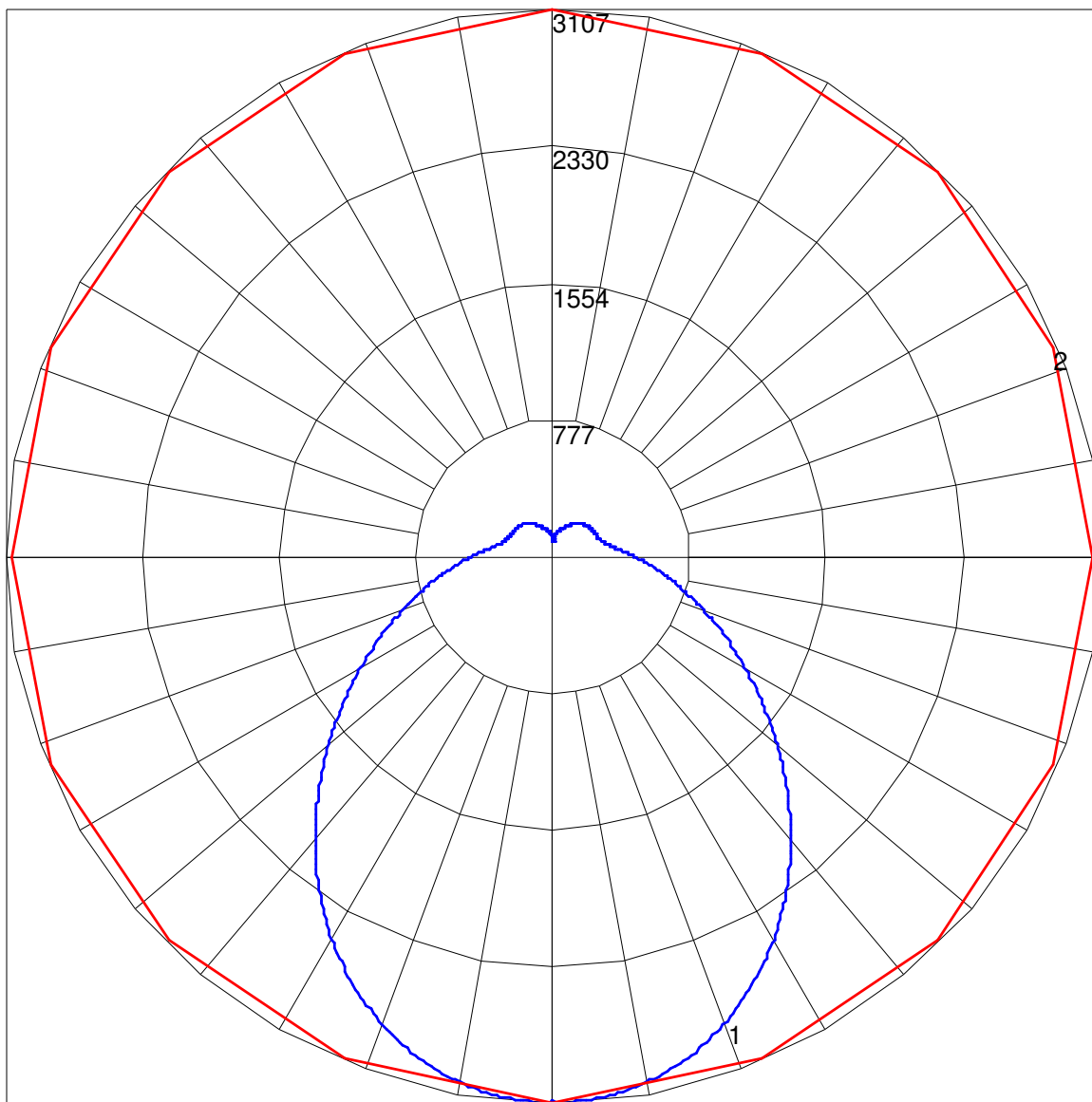
Reflectances

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 = 3107.31 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.)