

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L100-850-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-L100-850-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	10219
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	150
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	22421	20083	19885
55	19415	17193	17457
65	16321	14725	15558
75	13089	12864	14542
85	9601	12654	15364

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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	3307.154	3307.154	3307.154	3307.154	3307.154
0.5	3291.470	3304.017	3306.108	3305.063	3327.020
1.0	3291.470	3305.063	3305.063	3304.017	3325.974
1.5	3288.333	3305.063	3304.017	3302.971	3327.020
2.0	3287.288	3301.926	3304.017	3301.926	3323.883
2.5	3287.288	3301.926	3300.880	3300.880	3321.792
3.0	3284.151	3298.789	3298.789	3298.789	3319.701
3.5	3282.060	3295.652	3295.652	3296.698	3317.610
4.0	3279.969	3293.561	3293.561	3292.516	3315.518
4.5	3274.741	3290.425	3291.470	3290.425	3312.382
5.0	3271.604	3287.288	3287.288	3287.288	3309.245
5.5	3267.422	3283.106	3283.106	3284.151	3305.063
6.0	3265.331	3277.878	3278.923	3278.923	3300.880
6.5	3258.012	3273.695	3274.741	3274.741	3295.652
7.0	3253.829	3268.468	3269.513	3268.468	3291.470
7.5	3249.647	3262.194	3264.285	3264.285	3286.242
8.0	3244.419	3258.012	3258.012	3258.012	3278.923
8.5	3239.191	3250.693	3252.784	3252.784	3272.650
9.0	3230.827	3245.465	3246.510	3245.465	3265.331
9.5	3225.599	3238.146	3238.146	3238.146	3261.148
10.0	3217.234	3229.781	3229.781	3231.872	3252.784
10.5	3209.915	3222.462	3223.508	3223.508	3245.465
11.0	3202.596	3215.143	3216.189	3215.143	3237.100
11.5	3193.186	3206.779	3208.870	3206.779	3229.781
12.0	3184.822	3197.368	3199.460	3199.460	3220.371
12.5	3176.457	3187.958	3191.095	3189.004	3212.006
13.0	3167.047	3179.594	3181.685	3180.639	3202.596
13.5	3157.637	3169.138	3171.229	3171.229	3194.232
14.0	3146.135	3158.682	3160.773	3160.773	3182.730
14.5	3136.725	3148.226	3150.318	3150.318	3174.366
15.0	3127.315	3137.771	3138.816	3138.816	3161.819
15.5	3115.814	3125.224	3128.360	3128.360	3149.272
16.0	3103.267	3113.722	3116.859	3116.859	3138.816
16.5	3092.811	3101.176	3104.312	3105.358	3127.315
17.0	3078.173	3087.583	3091.765	3092.811	3114.768
17.5	3065.626	3075.036	3079.218	3080.264	3102.221
18.0	3054.125	3062.489	3065.626	3068.763	3090.720
18.5	3040.532	3049.942	3053.079	3055.170	3077.127
19.0	3026.940	3034.259	3039.487	3041.578	3062.489
19.5	3011.256	3021.712	3025.894	3030.076	3048.897
20.0	2994.527	3006.028	3011.256	3014.393	3034.259
20.5	2977.798	2992.436	2996.618	3000.800	3020.666
21.0	2964.205	2975.707	2978.843	2987.208	3006.028
21.5	2948.522	2960.023	2965.251	2969.433	2990.345
22.0	2931.792	2945.385	2950.613	2954.795	2976.752
22.5	2917.154	2926.564	2933.884	2940.157	2961.068
23.0	2899.380	2909.835	2917.154	2923.428	2944.339
23.5	2880.559	2892.061	2901.471	2907.744	2928.656
24.0	2861.739	2874.286	2883.696	2891.015	2911.926
24.5	2846.055	2856.511	2866.967	2873.240	2893.106
25.0	2828.280	2838.736	2850.238	2856.511	2876.377
25.5	2808.415	2820.961	2830.372	2839.782	2856.511
26.0	2789.594	2801.095	2813.642	2822.007	2840.827
26.5	2769.728	2781.230	2795.868	2803.187	2823.053

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**CANDELA TABULATION - (Cont.)**

27.0	2749.862	2760.318	2778.093	2787.503	2805.278
27.5	2726.860	2740.452	2758.227	2766.592	2787.503
28.0	2710.130	2720.586	2738.361	2747.771	2767.637
28.5	2688.173	2700.720	2718.495	2727.905	2747.771
29.0	2667.262	2679.809	2697.584	2709.085	2728.951
29.5	2645.305	2657.852	2676.672	2688.173	2708.039
30.0	2623.348	2636.940	2655.761	2670.399	2690.265
30.5	2600.345	2613.938	2635.895	2650.533	2669.353
31.0	2578.388	2591.980	2613.938	2629.621	2647.396
31.5	2555.385	2571.069	2593.026	2609.755	2628.576
32.0	2533.428	2547.021	2572.115	2587.798	2606.619
32.5	2509.380	2524.018	2550.157	2566.887	2585.707
33.0	2486.377	2502.061	2526.109	2545.975	2564.796
33.5	2464.420	2479.058	2505.198	2522.973	2542.838
34.0	2438.281	2455.010	2482.195	2502.061	2522.973
34.5	2414.233	2432.008	2460.238	2479.058	2499.970
35.0	2392.276	2406.914	2438.281	2458.147	2478.013
35.5	2364.045	2383.911	2414.233	2435.144	2455.010
36.0	2342.088	2358.817	2391.230	2412.142	2433.053
36.5	2314.903	2333.723	2367.182	2390.185	2412.142
37.0	2289.809	2309.675	2343.134	2366.136	2390.185
37.5	2263.670	2283.536	2320.131	2345.225	2366.136
38.0	2237.531	2258.442	2295.037	2321.177	2341.042
38.5	2210.346	2232.303	2270.989	2299.219	2318.040
39.0	2186.297	2206.163	2245.895	2275.171	2299.219
39.5	2159.112	2182.115	2221.847	2251.123	2274.126
40.0	2129.836	2154.930	2196.753	2229.166	2250.077
40.5	2102.651	2128.791	2172.705	2206.163	2227.075
41.0	2077.558	2102.651	2147.611	2182.115	2203.027
41.5	2050.373	2076.512	2122.517	2158.067	2180.024
42.0	2023.188	2050.373	2097.423	2135.064	2157.021
42.5	1997.048	2023.188	2071.284	2111.016	2132.973
43.0	1967.772	1997.048	2047.236	2088.013	2109.970
43.5	1942.678	1969.863	2021.097	2063.965	2086.968
44.0	1914.448	1942.678	1994.957	2040.962	2062.920
44.5	1888.308	1916.539	1968.818	2015.869	2038.871
45.0	1861.124	1889.354	1943.724	1993.912	2016.914
45.5	1833.939	1863.215	1918.630	1970.909	1993.912
46.0	1806.754	1836.030	1891.445	1945.815	1969.863
46.5	1779.569	1808.845	1868.443	1924.904	1946.861
47.0	1751.338	1782.705	1842.303	1899.810	1923.858
47.5	1724.153	1755.520	1816.164	1875.762	1899.810
48.0	1698.014	1728.336	1790.024	1853.805	1875.762
48.5	1668.738	1702.196	1765.976	1828.711	1852.759
49.0	1642.598	1673.966	1738.791	1804.662	1828.711
49.5	1615.413	1647.826	1713.697	1781.660	1805.708
50.0	1587.183	1620.641	1688.604	1756.566	1781.660
50.5	1561.044	1594.502	1662.464	1735.655	1759.703
51.0	1533.859	1567.317	1639.462	1711.606	1736.700
51.5	1507.719	1540.132	1613.322	1688.604	1713.697
52.0	1479.489	1513.993	1588.228	1664.555	1690.695
52.5	1452.304	1486.808	1564.180	1640.507	1668.738
53.0	1424.073	1460.668	1539.086	1619.596	1644.690
53.5	1396.888	1434.529	1515.038	1595.547	1622.732
54.0	1370.749	1408.390	1490.990	1572.545	1600.775
54.5	1345.655	1381.205	1466.942	1551.633	1578.818

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**CANDELA TABULATION - (Cont.)**

55.0	1319.516	1356.111	1442.894	1527.585	1558.952
55.5	1297.559	1329.971	1418.845	1505.628	1534.904
56.0	1272.465	1306.969	1395.843	1483.671	1512.947
56.5	1246.325	1282.921	1371.794	1461.714	1492.036
57.0	1221.232	1258.872	1348.792	1439.757	1470.078
57.5	1195.092	1233.779	1328.926	1418.845	1446.030
58.0	1168.953	1208.685	1305.923	1395.843	1428.255
58.5	1143.859	1183.591	1282.921	1375.977	1407.344
59.0	1118.765	1158.497	1260.963	1358.202	1385.387
59.5	1093.671	1134.449	1241.098	1336.245	1368.658
60.0	1068.578	1109.355	1219.140	1315.333	1347.746
60.5	1044.007	1085.307	1197.183	1295.467	1326.835
61.0	1019.331	1061.259	1175.226	1275.602	1306.969
61.5	994.865	1037.420	1153.269	1255.736	1288.148
62.0	970.816	1013.790	1132.358	1236.915	1268.283
62.5	947.082	990.369	1110.401	1218.095	1249.462
63.0	923.034	967.052	1089.489	1198.229	1232.733
63.5	899.195	944.050	1069.623	1179.409	1213.913
64.0	875.983	921.361	1048.712	1159.543	1195.092
64.5	852.876	899.195	1028.846	1140.722	1176.272
65.0	829.977	876.924	1008.875	1121.902	1158.497
65.5	807.393	855.176	989.114	1103.082	1139.677
66.0	784.495	833.428	969.562	1084.261	1121.902
66.5	762.120	812.203	950.114	1066.487	1104.127
67.0	740.267	791.187	930.771	1047.666	1086.352
67.5	718.310	770.484	911.846	1030.101	1068.578
68.0	696.667	750.305	893.026	1012.326	1051.848
68.5	675.337	730.230	874.624	995.074	1034.387
69.0	654.112	710.364	856.431	977.717	1017.867
69.5	633.200	690.916	838.447	960.883	1001.452
70.0	612.393	671.782	820.776	944.363	985.141
70.5	592.109	652.857	803.106	927.843	969.039
71.0	572.034	634.141	785.750	911.532	953.146
71.5	552.168	615.844	768.811	895.640	937.463
72.0	532.720	597.442	751.873	879.851	922.197
72.5	513.168	579.667	735.353	864.377	907.036
73.0	494.139	561.997	718.937	849.111	891.771
73.5	475.632	544.535	703.045	833.951	876.924
74.0	457.335	527.597	686.943	819.313	861.972
74.5	439.351	510.554	671.573	804.779	847.857
75.0	421.471	493.930	656.307	790.559	834.160
75.5	403.906	477.723	641.251	776.444	820.254
76.0	386.863	461.830	626.613	762.433	806.661
76.5	369.924	446.147	612.080	748.736	793.069
77.0	353.195	430.568	597.755	735.144	779.894
77.5	336.780	415.407	583.640	721.970	766.825
78.0	320.573	400.560	569.943	709.004	753.964
78.5	304.681	385.922	556.350	695.935	741.208
79.0	289.101	371.702	543.176	683.283	728.661
79.5	273.627	357.587	530.211	670.945	716.114
80.0	258.362	343.681	517.246	658.712	704.195
80.5	243.514	330.193	504.699	646.374	692.066
81.0	229.085	316.914	492.675	634.455	680.251
81.5	214.447	303.949	480.651	622.640	668.436
82.0	200.332	291.297	468.940	611.243	657.039
82.5	186.531	278.855	457.439	599.846	645.852

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**CANDELA TABULATION - (Cont.)**

83.0	172.938	266.726	446.147	588.868	634.978
83.5	159.450	254.911	435.377	577.680	623.686
84.0	146.276	243.410	424.922	567.120	612.916
84.5	133.206	232.327	414.675	556.664	602.356
85.0	120.659	221.557	404.638	546.313	591.795
85.5	108.112	211.311	394.809	536.275	581.549
86.0	95.775	201.482	385.190	526.447	571.407
86.5	83.541	192.281	376.093	516.619	561.265
87.0	71.517	183.394	366.892	507.313	551.332
87.5	59.493	175.134	358.214	497.903	541.817
88.0	47.574	167.083	349.640	488.806	532.198
88.5	35.550	159.555	341.380	479.814	522.892
89.0	24.571	152.445	333.538	471.136	513.691
89.5	15.579	145.858	325.906	462.772	504.699
90.0	9.306	140.002	318.900	454.825	496.439
90.5	6.587	134.879	312.418	446.879	487.656
91.0	7.005	130.174	305.831	438.828	479.292
91.5	8.365	125.678	299.244	431.195	470.927
92.0	9.933	121.914	292.970	423.458	462.772
92.5	11.606	118.673	287.638	416.034	454.721
93.0	13.279	115.850	282.096	409.029	446.983
93.5	15.056	113.654	276.868	402.128	439.664
94.0	16.938	111.772	271.954	395.646	432.554
94.5	18.716	110.413	267.354	389.058	425.235
95.0	20.493	109.367	263.067	382.576	418.230
95.5	22.166	108.635	259.093	376.407	411.329
96.0	23.525	108.322	255.643	370.447	404.533
96.5	24.885	108.322	252.193	364.906	398.260
97.0	26.139	108.426	249.056	359.573	391.986
97.5	27.499	108.844	246.128	354.450	386.235
98.0	28.649	109.263	243.514	349.431	380.380
98.5	30.008	109.785	241.319	344.622	374.943
99.0	31.367	110.413	239.018	340.126	369.611
99.5	32.831	111.145	237.032	335.839	364.383
100.0	34.086	111.877	235.463	331.866	359.678
100.5	35.550	112.713	233.895	327.997	354.868
101.0	36.804	113.549	232.745	324.337	350.581
101.5	38.059	114.386	231.595	320.887	346.190
102.0	39.209	115.222	230.758	317.646	342.321
102.5	40.359	116.059	229.922	314.614	338.453
103.0	41.509	117.000	229.295	311.581	335.002
103.5	42.764	117.941	228.772	308.967	331.447
104.0	44.123	118.777	228.249	306.563	328.206
104.5	45.483	119.718	227.935	304.262	325.174
105.0	46.737	120.659	227.622	302.171	322.246
105.5	47.887	121.496	227.308	299.975	319.737
106.0	49.247	122.541	227.203	298.093	317.227
106.5	50.501	123.482	227.203	296.316	314.718
107.0	51.756	124.528	227.203	294.643	312.627
107.5	52.906	125.364	227.203	293.388	310.431
108.0	54.370	126.410	227.203	291.925	308.236
108.5	55.729	127.456	227.308	290.879	306.772
109.0	57.088	128.292	227.517	289.520	305.308
109.5	58.552	129.233	227.622	288.579	303.740
110.0	60.016	130.174	227.831	287.533	302.485
110.5	61.480	131.115	228.040	286.592	301.335

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**CANDELA TABULATION - (Cont.)**

111.0	62.944	132.056	228.144	285.756	300.080
111.5	64.407	132.893	228.249	285.128	299.034
112.0	65.976	133.834	228.458	284.501	297.780
112.5	67.544	134.775	228.667	283.769	296.630
113.0	69.217	135.716	228.981	283.246	296.107
113.5	70.785	136.552	228.981	282.723	295.375
114.0	72.458	137.389	229.190	282.305	294.643
114.5	74.027	138.330	229.399	281.782	294.016
115.0	75.700	139.061	229.608	281.469	293.493
115.5	77.373	140.002	229.608	281.155	292.970
116.0	78.941	140.839	229.922	280.737	292.343
116.5	80.405	141.675	230.131	280.319	292.134
117.0	82.078	142.616	230.340	280.319	291.611
117.5	83.646	143.348	230.549	279.900	291.297
118.0	85.005	144.080	230.758	279.691	290.879
118.5	86.574	144.812	230.863	279.378	290.774
119.0	87.933	145.544	231.072	279.064	290.147
119.5	89.397	146.067	231.281	278.750	290.043
120.0	90.756	146.590	231.177	278.541	289.520
120.5	92.115	147.217	231.281	278.123	289.415
121.0	93.474	147.635	231.490	277.809	288.997
121.5	94.938	148.158	231.386	277.391	288.788
122.0	96.297	148.785	231.386	277.182	288.474
122.5	97.657	149.413	231.490	276.764	287.742
123.0	99.016	150.040	231.386	276.345	287.638
123.5	100.271	150.563	231.177	276.032	287.010
124.0	101.316	150.981	231.177	275.718	286.906
124.5	102.362	151.399	231.177	275.195	286.488
125.0	103.407	151.922	230.968	274.673	286.069
125.5	104.453	152.236	230.758	274.359	285.547
126.0	105.394	152.654	230.654	273.732	285.128
126.5	106.230	153.177	230.445	273.313	284.815
127.0	107.171	153.386	230.236	272.791	284.396
127.5	107.903	153.700	229.922	272.268	283.665
128.0	108.844	153.700	229.817	271.640	283.246
128.5	109.576	153.909	229.399	271.118	282.828
129.0	110.308	154.118	228.981	270.595	282.305
129.5	110.936	154.431	228.249	269.758	281.678
130.0	111.458	154.641	227.517	269.236	281.051
130.5	111.981	154.850	226.681	268.608	280.319
131.0	112.295	155.163	225.844	267.667	279.587
131.5	112.713	155.477	225.008	266.831	278.855
132.0	113.131	155.791	224.067	266.308	278.228
132.5	113.340	155.895	223.021	265.262	277.286
133.0	113.654	156.000	222.603	264.321	276.136
133.5	113.759	155.895	221.976	263.589	275.614
134.0	113.863	155.686	221.557	262.753	274.882
134.5	114.177	155.268	221.035	261.812	273.522
135.0	114.490	154.954	220.407	260.557	272.477
135.5	114.386	154.118	219.884	259.721	271.640
136.0	114.595	154.013	219.153	258.675	270.595
136.5	114.804	153.700	218.630	257.525	269.549
137.0	114.909	153.177	217.793	256.584	268.399
137.5	115.013	152.654	217.061	255.329	267.354
138.0	115.222	152.340	216.016	254.284	266.099
138.5	115.222	151.922	214.657	253.134	265.158

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L100-850-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

139.0	115.118	151.608	213.088	251.774	263.694
139.5	115.118	151.190	211.206	250.311	262.648
140.0	115.118	150.667	209.115	248.951	261.185
140.5	115.118	150.354	207.233	247.278	259.616
141.0	115.118	150.145	205.142	245.501	258.362
141.5	115.118	149.726	203.051	243.933	257.107
142.0	115.013	149.517	201.064	241.946	255.748
142.5	114.909	149.204	198.973	240.169	254.179
143.0	114.804	148.890	196.986	238.496	252.611
143.5	114.804	148.472	194.686	236.718	251.147
144.0	114.804	147.949	192.699	235.359	249.474
144.5	115.118	147.531	190.713	233.791	248.010
145.0	115.536	147.112	188.517	232.431	246.337
145.5	116.268	146.590	186.531	231.072	244.665
146.0	117.209	146.171	184.649	229.608	243.096
146.5	118.150	145.753	183.080	228.040	241.319
147.0	119.091	145.230	181.303	226.472	239.541
147.5	119.927	145.021	179.943	224.903	237.764
148.0	120.868	144.603	178.480	223.126	235.882
148.5	121.705	144.498	177.330	221.453	234.000
149.0	122.751	144.498	176.075	219.780	232.327
149.5	123.482	144.812	174.925	218.002	230.236
150.0	124.319	145.021	173.775	216.329	228.040
150.5	125.051	145.126	172.520	214.447	225.740
151.0	125.574	145.439	170.847	212.565	223.021
151.5	126.096	145.544	169.069	210.579	220.512
152.0	126.724	145.753	167.397	208.488	218.002
152.5	127.351	145.962	165.828	206.292	215.284
153.0	127.769	146.067	164.155	203.783	213.088
153.5	128.292	146.381	162.378	201.169	210.579
154.0	128.710	146.276	160.809	198.241	208.488
154.5	129.233	146.381	159.450	195.418	206.397
155.0	129.442	146.590	158.091	192.177	204.828
155.5	129.860	146.694	156.732	189.145	203.155
156.0	130.174	146.694	155.791	185.903	201.691
156.5	130.697	146.694	154.850	182.662	199.809
157.0	130.906	146.903	153.909	179.734	198.032
157.5	131.220	146.903	153.281	176.911	196.045
158.0	131.638	146.799	152.968	173.984	194.163
158.5	131.742	146.799	152.549	171.579	191.968
159.0	132.265	146.485	152.236	169.279	190.086
159.5	132.683	146.276	151.713	167.083	187.994
160.0	133.206	146.067	151.190	165.305	185.903
160.5	133.834	145.962	150.772	163.632	183.917
161.0	134.252	145.649	150.667	161.855	181.930
161.5	134.879	145.544	150.458	160.078	180.466
162.0	135.402	145.335	150.772	158.614	179.212
162.5	135.925	145.335	150.981	157.045	177.748
163.0	136.552	145.230	151.086	155.372	176.493
163.5	137.075	145.230	151.295	153.595	174.925
164.0	137.284	145.230	151.504	151.399	173.461
164.5	137.598	145.021	151.295	149.726	171.579
165.0	137.911	145.021	150.981	148.053	169.697
165.5	138.225	144.917	150.667	146.903	167.710
166.0	138.539	144.812	150.458	145.649	164.678
166.5	138.852	144.812	150.145	144.603	163.214

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L100-850-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

167.0	139.271	144.812	149.831	143.662	162.064
167.5	139.480	144.812	149.204	142.826	160.914
168.0	139.793	144.812	148.681	141.989	159.973
168.5	140.421	144.394	147.949	141.257	158.823
169.0	140.734	144.498	147.426	140.525	157.673
169.5	141.257	144.185	146.590	139.689	156.418
170.0	141.466	144.080	145.858	138.643	155.268
170.5	141.780	143.871	144.917	137.493	154.013
171.0	141.989	143.662	143.871	136.238	152.445
171.5	142.303	143.662	142.930	135.088	151.190
172.0	142.826	143.453	142.407	133.938	149.308
172.5	143.139	143.453	141.780	132.683	147.217
173.0	143.557	143.244	141.257	131.533	143.662
173.5	144.080	143.348	141.048	130.383	138.330
174.0	144.498	143.348	140.944	129.442	131.742
174.5	144.812	143.348	140.734	128.501	123.901
175.0	145.439	143.662	140.630	127.769	115.013
175.5	145.649	143.767	140.525	127.456	105.708
176.0	146.067	143.976	140.525	127.142	99.643
176.5	146.171	144.080	140.421	127.142	95.356
177.0	146.590	144.289	140.212	126.828	90.965
177.5	146.694	144.289	139.898	126.724	90.024
178.0	147.112	144.498	139.793	126.619	90.233
178.5	147.322	144.603	139.898	126.410	90.442
179.0	147.531	144.603	139.793	126.096	90.547
179.5	147.740	144.603	139.689	125.992	90.651
180.0	132.474	132.474	132.474	132.474	132.474



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L100-850-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1197.05	N.A.	11.70
0-30	2508.23	N.A.	24.50
0-40	4029.12	N.A.	39.40
0-60	6818.76	N.A.	66.70
0-80	8494.96	N.A.	83.10
0-90	8916.52	N.A.	87.30
10-90	8604.45	N.A.	84.20
20-40	2832.07	N.A.	27.70
20-50	4329.78	N.A.	42.40
40-70	3783.35	N.A.	37.00
60-80	1676.2	N.A.	16.40
70-80	682.49	N.A.	6.70
80-90	421.56	N.A.	4.10
90-110	492.39	N.A.	4.80
90-120	699.67	N.A.	6.80
90-130	890.45	N.A.	8.70
90-150	1169.00	N.A.	11.40
90-180	1302.16	N.A.	12.70
110-180	809.77	N.A.	7.90
0-180	10218.68	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	312.08
10-20	884.98
20-30	1311.18
30-40	1520.89
40-50	1497.71
50-60	1291.94
60-70	993.71
70-80	682.49
80-90	421.56
90-100	270.10
100-110	222.29
110-120	207.29
120-130	190.78
130-140	160.32
140-150	118.23
150-160	77.30
160-170	42.59
170-180	13.27

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L100-850-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-L100-850-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

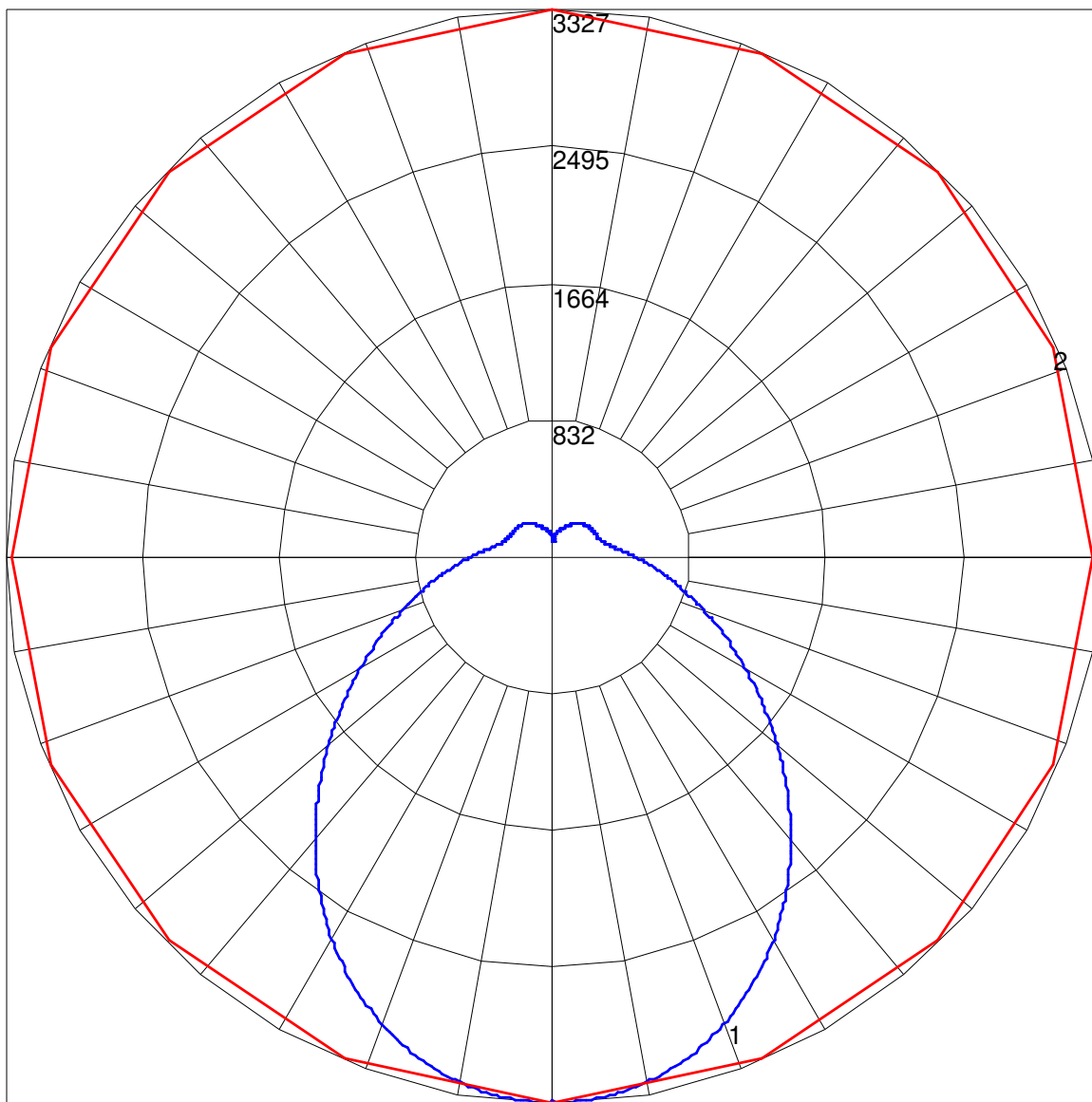
Reflectances

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	19.9	21.3	20.5	21.8	22.4	21.6	22.9	22.1	23.5	24.1
	3H	21.3	22.5	21.8	23.1	23.7	23.8	25.0	24.3	25.6	26.2
	4H	21.7	22.9	22.3	23.5	24.1	24.8	26.0	25.4	26.6	27.3
	6H	22.0	23.1	22.6	23.7	24.4	26.0	27.0	26.6	27.6	28.3
	8H	22.1	23.1	22.7	23.7	24.4	26.5	27.6	27.2	28.2	28.9
	12H	22.1	23.1	22.7	23.7	24.4	27.2	28.2	27.8	28.8	29.5
4H	2H	20.6	21.8	21.2	22.4	23.1	22.0	23.1	22.6	23.7	24.4
	3H	22.2	23.2	22.8	23.8	24.5	24.4	25.4	25.0	26.0	26.7
	4H	22.8	23.7	23.4	24.3	25.1	25.7	26.5	26.3	27.2	27.9
	6H	23.2	24.0	23.9	24.7	25.4	27.0	27.8	27.6	28.4	29.2
	8H	23.3	24.1	24.0	24.7	25.5	27.7	28.4	28.3	29.1	29.8
	12H	23.4	24.1	24.1	24.8	25.5	28.5	29.1	29.1	29.8	30.6
8H	4H	23.4	24.1	24.0	24.8	25.5	25.8	26.6	26.5	27.2	28.0
	6H	24.0	24.6	24.6	25.3	26.0	27.4	28.0	28.0	28.7	29.4
	8H	24.2	24.7	24.8	25.4	26.2	28.2	28.8	28.9	29.5	30.2
	12H	24.3	24.8	25.0	25.5	26.3	29.2	29.7	29.9	30.4	31.2
12H	4H	23.5	24.2	24.2	24.9	25.6	25.9	26.5	26.5	27.2	28.0
	6H	24.2	24.8	24.9	25.5	26.3	27.4	28.0	28.1	28.6	29.4
	8H	24.5	25.0	25.2	25.7	26.5	28.3	28.8	29.0	29.5	30.3

Maximum UGR = 31.2

POLAR GRAPH



Maximum Candela = 3327.02 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.)