

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L100-827-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-L100-827-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	9328
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	164
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	20466	18332	18152
55	17722	15694	15935
65	14898	13441	14202
75	11948	11742	13274
85	8764	11551	14025

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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	3018.822	3018.822	3018.822	3018.822	3018.822
0.5	3004.506	3015.959	3017.867	3016.913	3036.956
1.0	3004.506	3016.913	3016.913	3015.959	3036.001
1.5	3001.642	3016.913	3015.959	3015.004	3036.956
2.0	3000.688	3014.050	3015.959	3014.050	3034.093
2.5	3000.688	3014.050	3013.095	3013.095	3032.184
3.0	2997.825	3011.187	3011.187	3011.187	3030.275
3.5	2995.916	3008.323	3008.323	3009.278	3028.366
4.0	2994.007	3006.414	3006.414	3005.460	3026.457
4.5	2989.235	3003.551	3004.506	3003.551	3023.594
5.0	2986.372	3000.688	3000.688	3000.688	3020.731
5.5	2982.554	2996.870	2996.870	2997.825	3016.913
6.0	2980.645	2992.098	2993.053	2993.053	3013.095
6.5	2973.964	2988.281	2989.235	2989.235	3008.323
7.0	2970.147	2983.508	2984.463	2983.508	3004.506
7.5	2966.329	2977.782	2979.691	2979.691	2999.734
8.0	2961.557	2973.964	2973.964	2973.964	2993.053
8.5	2956.785	2967.283	2969.192	2969.192	2987.326
9.0	2949.149	2962.511	2963.466	2962.511	2980.645
9.5	2944.377	2955.830	2955.830	2955.830	2976.828
10.0	2936.742	2948.195	2948.195	2950.104	2969.192
10.5	2930.061	2941.514	2942.468	2942.468	2962.511
11.0	2923.380	2934.833	2935.788	2934.833	2954.876
11.5	2914.790	2927.198	2929.107	2927.198	2948.195
12.0	2907.155	2918.608	2920.517	2920.517	2939.605
12.5	2899.520	2910.018	2912.882	2910.973	2931.970
13.0	2890.930	2902.383	2904.292	2903.337	2923.380
13.5	2882.340	2892.839	2894.748	2894.748	2915.745
14.0	2871.842	2883.295	2885.203	2885.203	2905.246
14.5	2863.252	2873.750	2875.659	2875.659	2897.611
15.0	2854.662	2864.206	2865.161	2865.161	2886.158
15.5	2844.164	2852.753	2855.617	2855.617	2874.705
16.0	2832.711	2842.255	2845.118	2845.118	2865.161
16.5	2823.166	2830.802	2833.665	2834.619	2854.662
17.0	2809.804	2818.394	2822.212	2823.166	2843.209
17.5	2798.351	2806.941	2810.759	2811.713	2831.756
18.0	2787.853	2795.488	2798.351	2801.215	2821.258
18.5	2775.445	2784.035	2786.898	2788.807	2808.850
19.0	2763.038	2769.719	2774.491	2776.400	2795.488
19.5	2748.722	2758.266	2762.084	2765.901	2783.081
20.0	2733.451	2743.950	2748.722	2751.585	2769.719
20.5	2718.180	2731.542	2735.360	2739.178	2757.312
21.0	2705.773	2716.272	2719.135	2726.770	2743.950
21.5	2691.457	2701.955	2706.727	2710.545	2729.633
22.0	2676.186	2688.594	2693.366	2697.183	2717.226
22.5	2662.824	2671.414	2678.095	2683.821	2702.910
23.0	2646.599	2656.143	2662.824	2668.551	2687.639
23.5	2629.420	2639.918	2648.508	2654.234	2673.323
24.0	2612.240	2623.693	2632.283	2638.964	2658.052
24.5	2597.924	2607.468	2617.012	2622.739	2640.873
25.0	2581.699	2591.243	2601.742	2607.468	2625.602
25.5	2563.565	2575.018	2583.608	2592.197	2607.468
26.0	2546.385	2556.884	2568.337	2575.972	2593.152
26.5	2528.251	2538.750	2552.112	2558.793	2576.927

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**CANDELA TABULATION - (Cont.)**

27.0	2510.117	2519.662	2535.887	2544.476	2560.702
27.5	2489.120	2501.528	2517.753	2525.388	2544.476
28.0	2473.850	2483.394	2499.619	2508.209	2526.343
28.5	2453.807	2465.260	2481.485	2490.075	2508.209
29.0	2434.719	2446.172	2462.397	2472.895	2491.029
29.5	2414.676	2426.129	2443.308	2453.807	2471.941
30.0	2394.633	2407.040	2424.220	2437.582	2455.716
30.5	2373.636	2386.043	2406.086	2419.448	2436.627
31.0	2353.593	2366.000	2386.043	2400.359	2416.585
31.5	2332.596	2346.912	2366.955	2382.226	2399.405
32.0	2312.553	2324.961	2347.867	2362.183	2379.362
32.5	2290.601	2303.963	2327.824	2343.094	2360.274
33.0	2269.604	2283.921	2305.872	2324.006	2341.186
33.5	2249.562	2262.923	2286.784	2303.009	2321.143
34.0	2225.701	2240.972	2265.787	2283.921	2303.009
34.5	2203.750	2219.975	2245.744	2262.923	2282.012
35.0	2183.707	2197.069	2225.701	2243.835	2261.969
35.5	2157.937	2176.071	2203.750	2222.838	2240.972
36.0	2137.895	2153.165	2182.752	2201.841	2220.929
36.5	2113.080	2130.259	2160.801	2181.798	2201.841
37.0	2090.174	2108.308	2138.849	2159.846	2181.798
37.5	2066.313	2084.447	2117.852	2140.758	2159.846
38.0	2042.453	2061.541	2094.946	2118.806	2136.940
38.5	2017.638	2037.681	2072.994	2098.764	2115.943
39.0	1995.687	2013.820	2050.088	2076.812	2098.764
39.5	1970.872	1991.869	2028.137	2054.860	2075.858
40.0	1944.148	1967.054	2005.231	2034.818	2053.906
40.5	1919.333	1943.194	1983.279	2013.820	2032.909
41.0	1896.427	1919.333	1960.373	1991.869	2010.957
41.5	1871.612	1895.473	1937.467	1969.917	1989.960
42.0	1846.797	1871.612	1914.561	1948.920	1968.963
42.5	1822.937	1846.797	1890.701	1926.969	1947.011
43.0	1796.213	1822.937	1868.749	1905.971	1926.014
43.5	1773.307	1798.122	1844.889	1884.020	1905.017
44.0	1747.538	1773.307	1821.028	1863.023	1883.065
44.5	1723.678	1749.447	1797.168	1840.117	1861.114
45.0	1698.863	1724.632	1774.262	1820.074	1841.071
45.5	1674.048	1700.772	1751.356	1799.077	1820.074
46.0	1649.233	1675.957	1726.541	1776.171	1798.122
46.5	1624.418	1651.142	1705.544	1757.082	1777.125
47.0	1598.649	1627.281	1681.683	1734.176	1756.128
47.5	1573.834	1602.467	1657.823	1712.225	1734.176
48.0	1549.974	1577.652	1633.962	1692.182	1712.225
48.5	1523.250	1553.791	1612.011	1669.276	1691.227
49.0	1499.390	1528.022	1587.196	1647.324	1669.276
49.5	1474.575	1504.162	1564.290	1626.327	1648.279
50.0	1448.805	1479.347	1541.384	1603.421	1626.327
50.5	1424.945	1455.486	1517.523	1584.333	1606.284
51.0	1400.130	1430.672	1496.526	1562.381	1585.287
51.5	1376.270	1405.857	1472.666	1541.384	1564.290
52.0	1350.500	1381.996	1449.760	1519.432	1543.293
52.5	1325.686	1357.181	1427.808	1497.481	1523.250
53.0	1299.916	1333.321	1404.902	1478.392	1501.298
53.5	1275.101	1309.461	1382.951	1456.441	1481.256
54.0	1251.241	1285.600	1360.999	1435.444	1461.213
54.5	1228.335	1260.785	1339.047	1416.355	1441.170

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**CANDELA TABULATION - (Cont.)**

55.0	1204.475	1237.879	1317.096	1394.404	1423.036
55.5	1184.432	1214.019	1295.144	1374.361	1401.085
56.0	1161.526	1193.022	1274.147	1354.318	1381.042
56.5	1137.665	1171.070	1252.195	1334.275	1361.953
57.0	1114.759	1149.118	1231.198	1314.233	1341.911
57.5	1090.899	1126.212	1213.064	1295.144	1319.959
58.0	1067.039	1103.306	1192.067	1274.147	1303.734
58.5	1044.133	1080.400	1171.070	1256.013	1284.646
59.0	1021.226	1057.494	1151.027	1239.788	1264.603
59.5	998.320	1035.543	1132.893	1219.745	1249.332
60.0	975.414	1012.637	1112.851	1200.657	1230.244
60.5	952.986	990.685	1092.808	1182.523	1211.156
61.0	930.461	968.734	1072.765	1164.389	1193.022
61.5	908.128	946.973	1052.722	1146.255	1175.842
62.0	886.176	925.403	1033.634	1129.076	1157.708
62.5	864.511	904.024	1013.591	1111.896	1140.529
63.0	842.560	882.741	994.503	1093.762	1125.258
63.5	820.799	861.743	976.369	1076.583	1108.078
64.0	799.611	841.033	957.281	1058.449	1090.899
64.5	778.518	820.799	939.147	1041.269	1073.719
65.0	757.616	800.470	920.917	1024.090	1057.494
65.5	737.001	780.618	902.879	1006.910	1040.315
66.0	716.099	760.766	885.031	989.731	1024.090
66.5	695.675	741.391	867.279	973.506	1007.865
67.0	675.727	722.208	849.622	956.326	991.640
67.5	655.685	703.310	832.347	940.292	975.414
68.0	635.928	684.890	815.168	924.067	960.144
68.5	616.458	666.565	798.370	908.319	944.205
69.0	597.083	648.431	781.763	892.476	929.125
69.5	577.995	630.679	765.347	877.109	914.141
70.0	559.002	613.213	749.218	862.030	899.252
70.5	540.487	595.938	733.088	846.950	884.554
71.0	522.162	578.854	717.245	832.061	870.047
71.5	504.028	562.152	701.783	817.554	855.731
72.0	486.276	545.354	686.321	803.142	841.796
72.5	468.428	529.129	671.242	789.017	827.957
73.0	451.058	512.999	656.257	775.082	814.023
73.5	434.164	497.061	641.750	761.243	800.470
74.0	417.462	481.599	627.052	747.881	786.822
74.5	401.046	466.042	613.022	734.615	773.937
75.0	384.726	450.867	599.088	721.635	761.434
75.5	368.691	436.073	585.344	708.750	748.740
76.0	353.134	421.566	571.982	695.961	736.333
76.5	337.673	407.250	558.716	683.458	723.926
77.0	322.402	393.029	545.640	671.051	711.900
77.5	307.418	379.190	532.756	659.025	699.970
78.0	292.624	365.637	520.253	647.190	688.230
78.5	278.117	352.275	507.845	635.260	676.586
79.0	263.896	339.295	495.820	623.712	665.133
79.5	249.771	326.411	483.985	612.450	653.680
80.0	235.837	313.717	472.150	601.283	642.800
80.5	222.284	301.405	460.697	590.021	631.729
81.0	209.113	289.284	449.721	579.140	620.944
81.5	195.751	277.449	438.746	568.355	610.159
82.0	182.866	265.901	428.056	557.952	599.756
82.5	170.268	254.543	417.558	547.549	589.544

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**CANDELA TABULATION - (Cont.)**

83.0	157.861	243.472	407.250	537.528	579.618
83.5	145.549	232.687	397.419	527.316	569.310
84.0	133.523	222.188	387.875	517.676	559.479
84.5	121.593	212.072	378.522	508.132	549.840
85.0	110.140	202.241	369.359	498.683	540.200
85.5	98.687	192.888	360.388	489.521	530.847
86.0	87.425	183.916	351.607	480.549	521.589
86.5	76.258	175.517	343.304	471.578	512.331
87.0	65.282	167.405	334.905	463.083	503.264
87.5	54.306	159.865	326.983	454.494	494.579
88.0	43.426	152.516	319.157	446.190	485.798
88.5	32.450	145.644	311.617	437.982	477.304
89.0	22.429	139.154	304.459	430.060	468.905
89.5	14.221	133.141	297.492	422.425	460.697
90.0	8.494	127.796	291.097	415.172	453.157
90.5	6.013	123.120	285.180	407.918	445.140
91.0	6.395	118.825	279.167	400.569	437.505
91.5	7.635	114.721	273.154	393.602	429.870
92.0	9.067	111.285	267.428	386.539	422.425
92.5	10.594	108.326	262.560	379.763	415.076
93.0	12.121	105.749	257.502	373.368	408.013
93.5	13.744	103.745	252.730	367.069	401.332
94.0	15.462	102.027	248.244	361.152	394.842
94.5	17.084	100.786	244.045	355.139	388.162
95.0	18.707	99.832	240.131	349.221	381.767
95.5	20.234	99.164	236.505	343.590	375.468
96.0	21.474	98.878	233.355	338.150	369.264
96.5	22.715	98.878	230.205	333.092	363.538
97.0	23.860	98.973	227.342	328.224	357.811
97.5	25.101	99.355	224.670	323.547	352.562
98.0	26.151	99.737	222.284	318.966	347.217
98.5	27.392	100.214	220.280	314.576	342.254
99.0	28.633	100.786	218.180	310.472	337.387
99.5	29.969	101.455	216.366	306.559	332.614
100.0	31.114	102.123	214.935	302.932	328.320
100.5	32.450	102.886	213.503	299.401	323.929
101.0	33.595	103.650	212.453	296.060	320.016
101.5	34.741	104.413	211.403	292.911	316.008
102.0	35.791	105.177	210.640	289.952	312.476
102.5	36.841	105.940	209.876	287.184	308.945
103.0	37.890	106.799	209.304	284.416	305.795
103.5	39.036	107.658	208.827	282.030	302.550
104.0	40.276	108.422	208.349	279.835	299.592
104.5	41.517	109.281	208.063	277.735	296.824
105.0	42.662	110.140	207.777	275.827	294.151
105.5	43.712	110.903	207.490	273.822	291.861
106.0	44.953	111.858	207.395	272.104	289.570
106.5	46.098	112.717	207.395	270.482	287.280
107.0	47.244	113.671	207.395	268.955	285.371
107.5	48.294	114.435	207.395	267.809	283.366
108.0	49.630	115.389	207.395	266.473	281.362
108.5	50.870	116.343	207.490	265.519	280.026
109.0	52.111	117.107	207.681	264.278	278.690
109.5	53.447	117.966	207.777	263.419	277.258
110.0	54.784	118.825	207.968	262.465	276.113
110.5	56.120	119.684	208.158	261.606	275.063

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**CANDELA TABULATION - (Cont.)**

111.0	57.456	120.543	208.254	260.842	273.918
111.5	58.792	121.306	208.349	260.270	272.963
112.0	60.224	122.165	208.540	259.697	271.818
112.5	61.655	123.024	208.731	259.029	270.768
113.0	63.182	123.883	209.017	258.552	270.291
113.5	64.614	124.647	209.017	258.074	269.623
114.0	66.141	125.410	209.208	257.693	268.955
114.5	67.573	126.269	209.399	257.215	268.382
115.0	69.100	126.937	209.590	256.929	267.905
115.5	70.627	127.796	209.590	256.643	267.428
116.0	72.059	128.560	209.876	256.261	266.855
116.5	73.395	129.324	210.067	255.879	266.664
117.0	74.922	130.183	210.258	255.879	266.187
117.5	76.353	130.851	210.449	255.498	265.901
118.0	77.594	131.519	210.640	255.307	265.519
118.5	79.026	132.187	210.735	255.020	265.423
119.0	80.266	132.855	210.926	254.734	264.851
119.5	81.603	133.332	211.117	254.448	264.755
120.0	82.843	133.809	211.022	254.257	264.278
120.5	84.084	134.382	211.117	253.875	264.183
121.0	85.325	134.764	211.308	253.589	263.801
121.5	86.661	135.241	211.213	253.207	263.610
122.0	87.902	135.814	211.213	253.016	263.324
122.5	89.143	136.386	211.308	252.634	262.656
123.0	90.383	136.959	211.213	252.252	262.560
123.5	91.529	137.436	211.022	251.966	261.988
124.0	92.483	137.818	211.022	251.680	261.892
124.5	93.437	138.200	211.022	251.203	261.510
125.0	94.392	138.677	210.831	250.725	261.129
125.5	95.346	138.963	210.640	250.439	260.651
126.0	96.205	139.345	210.544	249.866	260.270
126.5	96.969	139.822	210.354	249.485	259.983
127.0	97.828	140.013	210.163	249.007	259.602
127.5	98.496	140.299	209.876	248.530	258.933
128.0	99.355	140.299	209.781	247.958	258.552
128.5	100.023	140.490	209.399	247.480	258.170
129.0	100.691	140.681	209.017	247.003	257.693
129.5	101.264	140.967	208.349	246.240	257.120
130.0	101.741	141.158	207.681	245.762	256.547
130.5	102.218	141.349	206.918	245.190	255.879
131.0	102.504	141.636	206.154	244.331	255.211
131.5	102.886	141.922	205.391	243.567	254.543
132.0	103.268	142.208	204.532	243.090	253.970
132.5	103.459	142.304	203.577	242.136	253.111
133.0	103.745	142.399	203.195	241.277	252.062
133.5	103.841	142.304	202.623	240.609	251.584
134.0	103.936	142.113	202.241	239.845	250.916
134.5	104.222	141.731	201.764	238.986	249.676
135.0	104.509	141.445	201.191	237.841	248.721
135.5	104.413	140.681	200.714	237.077	247.958
136.0	104.604	140.586	200.046	236.123	247.003
136.5	104.795	140.299	199.569	235.073	246.049
137.0	104.890	139.822	198.805	234.214	244.999
137.5	104.986	139.345	198.137	233.069	244.045
138.0	105.177	139.059	197.183	232.114	242.899
138.5	105.177	138.677	195.942	231.064	242.040

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

139.0	105.081	138.391	194.510	229.824	240.704
139.5	105.081	138.009	192.792	228.487	239.750
140.0	105.081	137.532	190.883	227.247	238.413
140.5	105.081	137.245	189.166	225.720	236.982
141.0	105.081	137.054	187.257	224.097	235.837
141.5	105.081	136.673	185.348	222.666	234.691
142.0	104.986	136.482	183.534	220.852	233.450
142.5	104.890	136.195	181.626	219.230	232.019
143.0	104.795	135.909	179.812	217.703	230.587
143.5	104.795	135.527	177.712	216.080	229.251
144.0	104.795	135.050	175.899	214.839	227.724
144.5	105.081	134.668	174.086	213.408	226.388
145.0	105.463	134.287	172.081	212.167	224.861
145.5	106.131	133.809	170.268	210.926	223.334
146.0	106.990	133.428	168.550	209.590	221.902
146.5	107.849	133.046	167.118	208.158	220.280
147.0	108.708	132.569	165.496	206.727	218.657
147.5	109.472	132.378	164.255	205.295	217.034
148.0	110.331	131.996	162.919	203.673	215.317
148.5	111.094	131.900	161.869	202.146	213.599
149.0	112.049	131.900	160.724	200.619	212.072
149.5	112.717	132.187	159.674	198.996	210.163
150.0	113.480	132.378	158.624	197.469	208.158
150.5	114.148	132.473	157.479	195.751	206.059
151.0	114.626	132.759	155.952	194.033	203.577
151.5	115.103	132.855	154.329	192.220	201.287
152.0	115.675	133.046	152.802	190.311	198.996
152.5	116.248	133.237	151.371	188.307	196.515
153.0	116.630	133.332	149.844	186.016	194.510
153.5	117.107	133.618	148.221	183.630	192.220
154.0	117.489	133.523	146.789	180.958	190.311
154.5	117.966	133.618	145.549	178.381	188.402
155.0	118.157	133.809	144.308	175.422	186.970
155.5	118.539	133.905	143.067	172.654	185.443
156.0	118.825	133.905	142.208	169.695	184.107
156.5	119.302	133.905	141.349	166.737	182.389
157.0	119.493	134.096	140.490	164.064	180.767
157.5	119.779	134.096	139.918	161.487	178.953
158.0	120.161	134.000	139.631	158.815	177.235
158.5	120.257	134.000	139.249	156.620	175.231
159.0	120.734	133.714	138.963	154.520	173.513
159.5	121.116	133.523	138.486	152.516	171.604
160.0	121.593	133.332	138.009	150.893	169.695
160.5	122.165	133.237	137.627	149.366	167.882
161.0	122.547	132.950	137.532	147.744	166.069
161.5	123.120	132.855	137.341	146.121	164.732
162.0	123.597	132.664	137.627	144.785	163.587
162.5	124.074	132.664	137.818	143.353	162.251
163.0	124.647	132.569	137.913	141.826	161.106
163.5	125.124	132.569	138.104	140.204	159.674
164.0	125.315	132.569	138.295	138.200	158.338
164.5	125.601	132.378	138.104	136.673	156.620
165.0	125.888	132.378	137.818	135.145	154.902
165.5	126.174	132.282	137.532	134.096	153.089
166.0	126.460	132.187	137.341	132.950	150.321
166.5	126.747	132.187	137.054	131.996	148.985

IES INDOOR REPORT  
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CANDELA TABULATION - (Cont.)

167.0	127.128	132.187	136.768	131.137	147.935
167.5	127.319	132.187	136.195	130.373	146.885
168.0	127.606	132.187	135.718	129.610	146.026
168.5	128.178	131.805	135.050	128.942	144.976
169.0	128.465	131.900	134.573	128.274	143.926
169.5	128.942	131.614	133.809	127.510	142.781
170.0	129.133	131.519	133.141	126.556	141.731
170.5	129.419	131.328	132.282	125.506	140.586
171.0	129.610	131.137	131.328	124.361	139.154
171.5	129.896	131.137	130.469	123.311	138.009
172.0	130.373	130.946	129.992	122.261	136.291
172.5	130.660	130.946	129.419	121.116	134.382
173.0	131.041	130.755	128.942	120.066	131.137
173.5	131.519	130.851	128.751	119.016	126.269
174.0	131.900	130.851	128.655	118.157	120.257
174.5	132.187	130.851	128.465	117.298	113.098
175.0	132.759	131.137	128.369	116.630	104.986
175.5	132.950	131.232	128.274	116.343	96.492
176.0	133.332	131.423	128.274	116.057	90.956
176.5	133.428	131.519	128.178	116.057	87.043
177.0	133.809	131.710	127.987	115.771	83.034
177.5	133.905	131.710	127.701	115.675	82.175
178.0	134.287	131.900	127.606	115.580	82.366
178.5	134.477	131.996	127.701	115.389	82.557
179.0	134.668	131.996	127.606	115.103	82.653
179.5	134.859	131.996	127.510	115.007	82.748
180.0	120.925	120.925	120.925	120.925	120.925



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L100-827-HE-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1092.69	N.A.	11.70
0-30	2289.55	N.A.	24.50
0-40	3677.84	N.A.	39.40
0-60	6224.27	N.A.	66.70
0-80	7754.33	N.A.	83.10
0-90	8139.14	N.A.	87.30
10-90	7854.27	N.A.	84.20
20-40	2585.16	N.A.	27.70
20-50	3952.29	N.A.	42.40
40-70	3453.51	N.A.	37.00
60-80	1530.06	N.A.	16.40
70-80	622.98	N.A.	6.70
80-90	384.81	N.A.	4.10
90-110	449.46	N.A.	4.80
90-120	638.67	N.A.	6.80
90-130	812.82	N.A.	8.70
90-150	1067.08	N.A.	11.40
90-180	1188.63	N.A.	12.70
110-180	739.18	N.A.	7.90
0-180	9327.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	284.87
10-20	807.82
20-30	1196.86
30-40	1388.29
40-50	1367.13
50-60	1179.3
60-70	907.08
70-80	622.98
80-90	384.81
90-100	246.55
100-110	202.91
110-120	189.22
120-130	174.14
130-140	146.34
140-150	107.92
150-160	70.56
160-170	38.88
170-180	12.11

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L100-827-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

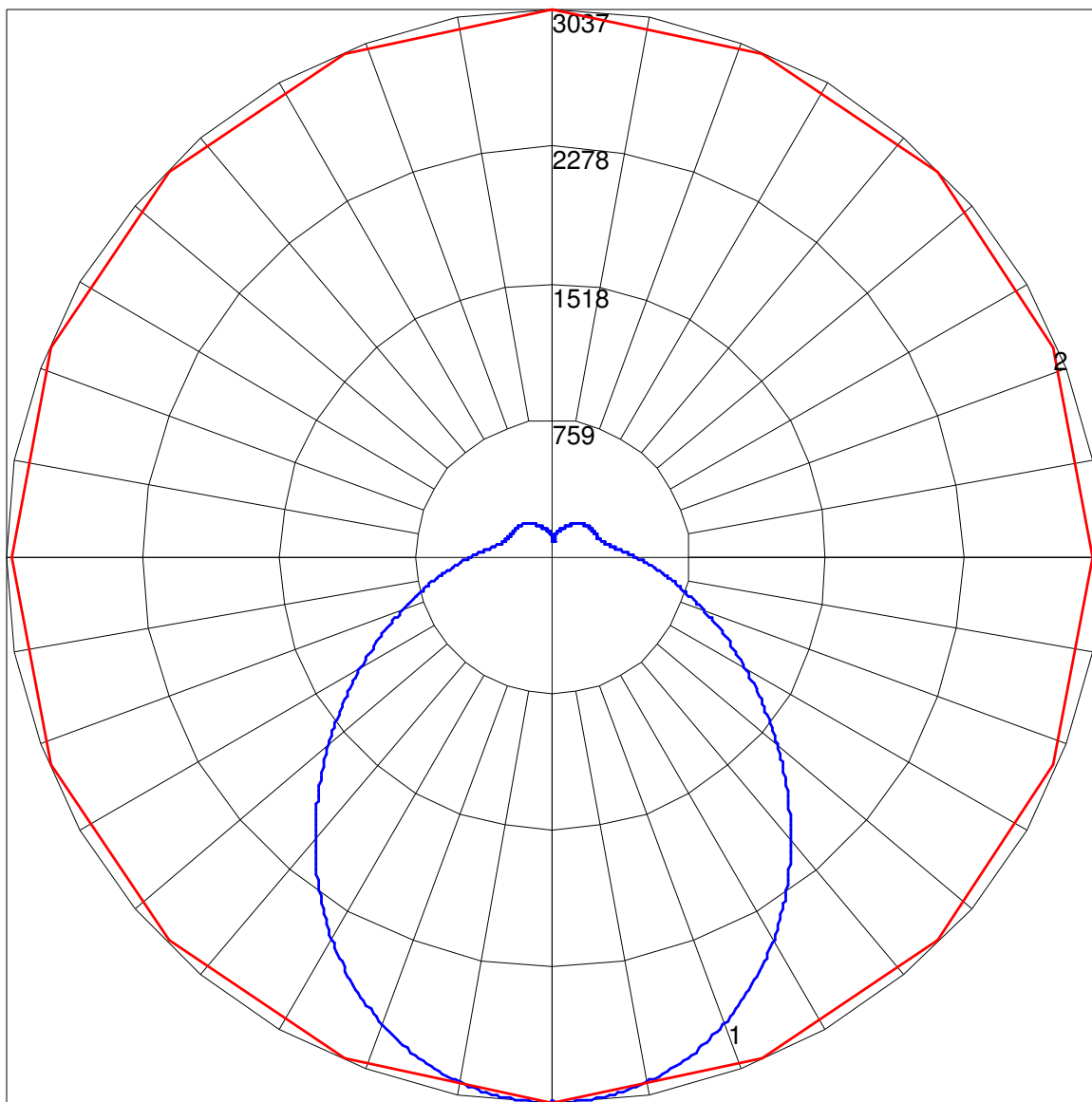
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L100-827-HE-DIM-UNV\_.IES**

**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	27.1	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	25.6	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 = 3036.956 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.)