

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L100-840-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-L100-840-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	9905
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	174
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	21732	19466	19274
55	18819	16665	16921
65	15819	14273	15080
75	12687	12468	14095
85	9306	12265	14892

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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	3205.552	3205.552	3205.552	3205.552	3205.552
0.5	3190.350	3202.512	3204.538	3203.525	3224.807
1.0	3190.350	3203.525	3203.525	3202.512	3223.794
1.5	3187.310	3203.525	3202.512	3201.498	3224.807
2.0	3186.296	3200.485	3202.512	3200.485	3221.767
2.5	3186.296	3200.485	3199.471	3199.471	3219.740
3.0	3183.256	3197.444	3197.444	3197.444	3217.713
3.5	3181.229	3194.404	3194.404	3195.417	3215.686
4.0	3179.202	3192.377	3192.377	3191.364	3213.659
4.5	3174.135	3189.337	3190.350	3189.337	3210.619
5.0	3171.094	3186.296	3186.296	3186.296	3207.579
5.5	3167.041	3182.242	3182.242	3183.256	3203.525
6.0	3165.014	3177.175	3178.189	3178.189	3199.471
6.5	3157.920	3173.121	3174.135	3174.135	3194.404
7.0	3153.866	3168.054	3169.068	3168.054	3190.350
7.5	3149.812	3161.973	3164.000	3164.000	3185.283
8.0	3144.745	3157.920	3157.920	3157.920	3178.189
8.5	3139.677	3150.825	3152.852	3152.852	3172.108
9.0	3131.570	3145.758	3146.772	3145.758	3165.014
9.5	3126.503	3138.664	3138.664	3138.664	3160.960
10.0	3118.395	3130.556	3130.556	3132.583	3152.852
10.5	3111.301	3123.462	3124.476	3124.476	3145.758
11.0	3104.207	3116.368	3117.381	3116.368	3137.651
11.5	3095.085	3108.260	3110.287	3108.260	3130.556
12.0	3086.978	3099.139	3101.166	3101.166	3121.435
12.5	3078.870	3090.018	3093.059	3091.032	3113.328
13.0	3069.749	3081.911	3083.937	3082.924	3104.207
13.5	3060.628	3071.776	3073.803	3073.803	3096.099
14.0	3049.480	3061.642	3063.668	3063.668	3084.951
14.5	3040.359	3051.507	3053.534	3053.534	3076.843
15.0	3031.238	3041.372	3042.386	3042.386	3064.682
15.5	3020.090	3029.211	3032.251	3032.251	3052.520
16.0	3007.929	3018.063	3021.103	3021.103	3042.386
16.5	2997.794	3005.902	3008.942	3009.955	3031.238
17.0	2983.606	2992.727	2996.781	2997.794	3019.077
17.5	2971.444	2980.565	2984.619	2985.633	3006.915
18.0	2960.296	2968.404	2971.444	2974.485	2995.767
18.5	2947.121	2956.242	2959.283	2961.310	2982.592
19.0	2933.946	2941.041	2946.108	2948.135	2968.404
19.5	2918.745	2928.879	2932.933	2936.987	2955.229
20.0	2902.529	2913.677	2918.745	2921.785	2941.041
20.5	2886.314	2900.503	2904.556	2908.610	2927.866
21.0	2873.139	2884.287	2887.328	2895.435	2913.677
21.5	2857.937	2869.085	2874.153	2878.207	2898.476
22.0	2841.722	2854.897	2859.964	2864.018	2885.301
22.5	2827.534	2836.655	2843.749	2849.830	2870.099
23.0	2810.305	2820.440	2827.534	2833.615	2853.884
23.5	2792.063	2803.211	2812.332	2818.413	2838.682
24.0	2773.821	2785.982	2795.103	2802.198	2822.467
24.5	2758.619	2768.754	2778.888	2784.969	2804.224
25.0	2741.390	2751.525	2762.673	2768.754	2788.009
25.5	2722.135	2734.296	2743.417	2752.538	2768.754
26.0	2703.893	2715.041	2727.202	2735.310	2753.552
26.5	2684.637	2695.785	2709.973	2717.068	2736.323

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**CANDELA TABULATION - (Cont.)**

27.0	2665.381	2675.516	2692.745	2701.866	2719.094
27.5	2643.085	2656.260	2673.489	2681.597	2701.866
28.0	2626.870	2637.005	2654.233	2663.355	2682.610
28.5	2605.588	2617.749	2634.978	2644.099	2663.355
29.0	2585.319	2597.480	2614.709	2625.857	2645.112
29.5	2564.036	2576.198	2594.440	2605.588	2624.843
30.0	2542.754	2555.928	2574.171	2588.359	2607.615
30.5	2520.458	2533.633	2554.915	2569.103	2587.346
31.0	2499.175	2512.350	2533.633	2548.834	2566.063
31.5	2476.879	2492.081	2513.363	2529.579	2547.821
32.0	2455.597	2468.772	2493.094	2508.296	2526.538
32.5	2432.287	2446.476	2471.812	2488.027	2506.269
33.0	2409.991	2425.193	2448.502	2467.758	2486.000
33.5	2388.709	2402.897	2428.233	2445.462	2464.718
34.0	2363.372	2379.588	2405.937	2425.193	2445.462
34.5	2340.063	2357.292	2384.655	2402.897	2423.166
35.0	2318.780	2332.969	2363.372	2382.628	2401.884
35.5	2291.417	2310.673	2340.063	2360.332	2379.588
36.0	2270.135	2286.350	2317.767	2338.036	2358.305
36.5	2243.785	2262.027	2294.458	2316.754	2338.036
37.0	2219.462	2238.718	2271.148	2293.444	2316.754
37.5	2194.126	2213.381	2248.852	2273.175	2293.444
38.0	2168.789	2189.058	2224.529	2249.866	2269.121
38.5	2142.440	2163.722	2201.220	2228.583	2246.825
39.0	2119.130	2138.386	2176.897	2205.274	2228.583
39.5	2092.780	2115.076	2153.588	2181.964	2204.260
40.0	2064.404	2088.727	2129.265	2160.682	2180.951
40.5	2038.054	2063.390	2105.955	2138.386	2158.655
41.0	2013.731	2038.054	2081.632	2115.076	2135.345
41.5	1987.381	2012.718	2057.310	2091.767	2113.050
42.0	1961.032	1987.381	2032.987	2069.471	2090.754
42.5	1935.695	1961.032	2007.650	2046.162	2067.444
43.0	1907.319	1935.695	1984.341	2023.866	2045.148
43.5	1882.996	1909.345	1959.005	2000.556	2022.852
44.0	1855.632	1882.996	1933.668	1978.260	1999.543
44.5	1830.296	1857.659	1908.332	1953.937	1976.233
45.0	1803.946	1831.310	1884.009	1932.655	1954.951
45.5	1777.597	1805.973	1859.686	1910.359	1932.655
46.0	1751.247	1779.623	1833.336	1886.036	1909.345
46.5	1724.897	1753.274	1811.041	1865.767	1887.049
47.0	1697.534	1727.937	1785.704	1841.444	1864.754
47.5	1671.184	1701.588	1760.368	1818.135	1841.444
48.0	1645.848	1675.238	1735.032	1796.852	1818.135
48.5	1617.471	1649.901	1711.722	1772.529	1795.839
49.0	1592.135	1622.538	1685.372	1749.220	1772.529
49.5	1565.785	1597.202	1661.049	1726.924	1750.233
50.0	1538.422	1570.852	1636.727	1702.601	1726.924
50.5	1513.085	1545.516	1611.390	1682.332	1705.641
51.0	1486.736	1519.166	1589.094	1659.023	1683.345
51.5	1461.399	1492.816	1563.758	1636.727	1661.049
52.0	1434.036	1467.480	1539.435	1613.417	1638.754
52.5	1407.686	1441.130	1516.126	1590.108	1617.471
53.0	1380.323	1415.794	1491.803	1569.839	1594.162
53.5	1353.973	1390.458	1468.493	1546.529	1572.879
54.0	1328.637	1365.121	1445.184	1524.233	1551.597
54.5	1304.314	1338.771	1421.875	1503.964	1530.314

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**CANDELA TABULATION - (Cont.)**

55.0	1278.978	1314.449	1398.565	1480.655	1511.058
55.5	1257.695	1289.112	1375.256	1459.372	1487.749
56.0	1233.372	1266.816	1352.960	1438.090	1466.467
56.5	1208.036	1243.507	1329.650	1416.807	1446.197
57.0	1183.713	1220.197	1307.354	1395.525	1424.915
57.5	1158.377	1195.875	1288.099	1375.256	1401.606
58.0	1133.040	1171.552	1265.803	1352.960	1384.377
58.5	1108.718	1147.229	1243.507	1333.704	1364.108
59.0	1084.395	1122.906	1222.224	1316.475	1342.825
59.5	1060.072	1099.597	1202.969	1295.193	1326.610
60.0	1035.749	1075.274	1181.686	1274.924	1306.341
60.5	1011.933	1051.964	1160.404	1255.668	1286.072
61.0	988.015	1028.655	1139.121	1236.413	1266.816
61.5	964.301	1005.548	1117.839	1217.157	1248.574
62.0	940.991	982.644	1097.570	1198.915	1229.318
62.5	917.986	959.943	1076.287	1180.673	1211.076
63.0	894.676	937.343	1056.018	1161.417	1194.861
63.5	871.570	915.047	1036.762	1143.175	1176.619
64.0	849.071	893.055	1016.493	1123.919	1158.377
64.5	826.674	871.570	997.238	1105.677	1140.135
65.0	804.479	849.983	977.881	1087.435	1122.906
65.5	782.588	828.903	958.727	1069.193	1104.664
66.0	760.394	807.823	939.775	1050.951	1087.435
66.5	738.706	787.250	920.925	1033.722	1070.206
67.0	717.525	766.880	902.176	1015.480	1052.978
67.5	696.242	746.814	883.832	998.454	1035.749
68.0	675.264	727.254	865.590	981.225	1019.534
68.5	654.589	707.796	847.753	964.503	1002.609
69.0	634.016	688.540	830.119	947.680	986.597
69.5	613.747	669.690	812.688	931.363	970.685
70.0	593.579	651.144	795.561	915.351	954.875
70.5	573.918	632.800	778.433	899.338	939.268
71.0	554.460	614.659	761.610	883.528	923.864
71.5	535.205	596.924	745.192	868.124	908.662
72.0	516.354	579.087	728.774	852.821	893.866
72.5	497.403	561.858	712.761	837.822	879.170
73.0	478.958	544.731	696.850	823.025	864.374
73.5	461.020	527.806	681.446	808.330	849.983
74.0	443.284	511.388	665.839	794.142	835.491
74.5	425.853	494.869	650.941	780.055	821.809
75.0	408.523	478.755	636.144	766.272	808.533
75.5	391.497	463.047	621.551	752.590	795.054
76.0	374.978	447.642	607.362	739.010	781.879
76.5	358.560	432.440	593.275	725.734	768.704
77.0	342.344	417.340	579.391	712.559	755.935
77.5	326.433	402.645	565.709	699.789	743.266
78.0	310.725	388.254	552.433	687.222	730.801
78.5	295.320	374.066	539.258	674.554	718.437
79.0	280.220	360.283	526.489	662.292	706.275
79.5	265.221	346.601	513.922	650.333	694.114
80.0	250.424	333.122	501.355	638.475	682.561
80.5	236.033	320.048	489.194	626.517	670.805
81.0	222.048	307.178	477.539	614.963	659.353
81.5	207.859	294.611	465.884	603.511	647.901
82.0	194.178	282.348	454.534	592.465	636.854
82.5	180.800	270.288	443.386	581.418	626.010

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**CANDELA TABULATION - (Cont.)**

83.0	167.625	258.532	432.440	570.777	615.470
83.5	154.552	247.080	422.002	559.933	604.525
84.0	141.782	235.932	411.867	549.697	594.086
84.5	129.114	225.189	401.935	539.562	583.850
85.0	116.952	214.751	392.206	529.529	573.614
85.5	104.791	204.819	382.680	519.800	563.683
86.0	92.832	195.292	373.356	510.274	553.852
86.5	80.975	186.374	364.539	500.747	544.022
87.0	69.320	177.760	355.621	491.727	534.394
87.5	57.665	169.753	347.209	482.606	525.171
88.0	46.112	161.950	338.899	473.789	515.848
88.5	34.457	154.653	330.892	465.074	506.828
89.0	23.816	147.761	323.292	456.662	497.909
89.5	15.100	141.377	315.893	448.554	489.194
90.0	9.020	135.701	309.103	440.852	481.187
90.5	6.385	130.735	302.820	433.150	472.674
91.0	6.790	126.175	296.435	425.346	464.567
91.5	8.108	121.817	290.050	417.948	456.459
92.0	9.628	118.169	283.970	410.448	448.554
92.5	11.249	115.027	278.801	403.253	440.751
93.0	12.871	112.291	273.430	396.463	433.251
93.5	14.594	110.162	268.362	389.774	426.157
94.0	16.418	108.338	263.599	383.491	419.266
94.5	18.141	107.021	259.140	377.106	412.171
95.0	19.864	106.007	254.985	370.822	405.381
95.5	21.485	105.298	251.134	364.843	398.692
96.0	22.803	104.994	247.789	359.066	392.105
96.5	24.120	104.994	244.445	353.695	386.024
97.0	25.336	105.095	241.405	348.526	379.944
97.5	26.654	105.500	238.567	343.561	374.370
98.0	27.769	105.906	236.033	338.696	368.694
98.5	29.086	106.413	233.905	334.034	363.424
99.0	30.404	107.021	231.675	329.676	358.256
99.5	31.822	107.730	229.750	325.521	353.188
100.0	33.039	108.439	228.230	321.670	348.628
100.5	34.457	109.250	226.709	317.920	343.966
101.0	35.674	110.061	225.595	314.373	339.811
101.5	36.890	110.872	224.480	311.029	335.554
102.0	38.004	111.683	223.669	307.887	331.805
102.5	39.119	112.493	222.858	304.948	328.055
103.0	40.234	113.405	222.250	302.009	324.710
103.5	41.450	114.317	221.744	299.475	321.265
104.0	42.768	115.128	221.237	297.144	318.123
104.5	44.085	116.040	220.933	294.915	315.184
105.0	45.301	116.952	220.629	292.888	312.346
105.5	46.416	117.763	220.325	290.760	309.914
106.0	47.734	118.777	220.223	288.935	307.482
106.5	48.950	119.689	220.223	287.213	305.049
107.0	50.166	120.702	220.223	285.591	303.022
107.5	51.281	121.513	220.223	284.375	300.894
108.0	52.700	122.526	220.223	282.956	298.766
108.5	54.017	123.540	220.325	281.943	297.347
109.0	55.335	124.351	220.527	280.625	295.928
109.5	56.753	125.263	220.629	279.713	294.408
110.0	58.172	126.175	220.831	278.700	293.192
110.5	59.591	127.087	221.034	277.787	292.077

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**CANDELA TABULATION - (Cont.)**

111.0	61.010	127.999	221.135	276.977	290.861
111.5	62.429	128.810	221.237	276.369	289.848
112.0	63.949	129.722	221.439	275.761	288.631
112.5	65.469	130.634	221.642	275.051	287.517
113.0	67.091	131.546	221.946	274.544	287.010
113.5	68.611	132.357	221.946	274.038	286.300
114.0	70.232	133.168	222.149	273.632	285.591
114.5	71.752	134.080	222.352	273.126	284.983
115.0	73.374	134.789	222.554	272.822	284.476
115.5	74.996	135.701	222.554	272.518	283.970
116.0	76.516	136.512	222.858	272.112	283.361
116.5	77.935	137.323	223.061	271.707	283.159
117.0	79.556	138.235	223.264	271.707	282.652
117.5	81.076	138.944	223.466	271.301	282.348
118.0	82.394	139.654	223.669	271.099	281.943
118.5	83.914	140.363	223.770	270.795	281.841
119.0	85.231	141.073	223.973	270.491	281.233
119.5	86.650	141.579	224.176	270.187	281.132
120.0	87.968	142.086	224.074	269.984	280.625
120.5	89.285	142.694	224.176	269.578	280.524
121.0	90.603	143.100	224.378	269.274	280.118
121.5	92.022	143.606	224.277	268.869	279.916
122.0	93.339	144.214	224.277	268.666	279.612
122.5	94.657	144.822	224.378	268.261	278.902
123.0	95.974	145.431	224.277	267.856	278.801
123.5	97.190	145.937	224.074	267.552	278.193
124.0	98.204	146.343	224.074	267.248	278.092
124.5	99.217	146.748	224.074	266.741	277.686
125.0	100.231	147.255	223.872	266.234	277.281
125.5	101.244	147.559	223.669	265.930	276.774
126.0	102.156	147.964	223.568	265.322	276.369
126.5	102.967	148.471	223.365	264.917	276.065
127.0	103.879	148.674	223.162	264.410	275.659
127.5	104.588	148.978	222.858	263.903	274.950
128.0	105.500	148.978	222.757	263.295	274.544
128.5	106.210	149.180	222.352	262.788	274.139
129.0	106.919	149.383	221.946	262.282	273.632
129.5	107.527	149.687	221.237	261.471	273.024
130.0	108.034	149.890	220.527	260.964	272.416
130.5	108.541	150.092	219.717	260.356	271.707
131.0	108.845	150.396	218.906	259.444	270.997
131.5	109.250	150.700	218.095	258.633	270.288
132.0	109.656	151.004	217.183	258.126	269.680
132.5	109.858	151.106	216.170	257.113	268.768
133.0	110.162	151.207	215.764	256.201	267.653
133.5	110.264	151.106	215.156	255.492	267.146
134.0	110.365	150.903	214.751	254.681	266.437
134.5	110.669	150.498	214.244	253.769	265.119
135.0	110.973	150.194	213.636	252.552	264.106
135.5	110.872	149.383	213.129	251.742	263.295
136.0	111.074	149.282	212.420	250.728	262.282
136.5	111.277	148.978	211.913	249.613	261.268
137.0	111.378	148.471	211.102	248.701	260.153
137.5	111.480	147.964	210.393	247.485	259.140
138.0	111.683	147.660	209.379	246.472	257.924
138.5	111.683	147.255	208.062	245.357	257.012

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L100-840-HE-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

139.0	111.581	146.951	206.542	244.039	255.593
139.5	111.581	146.545	204.718	242.621	254.579
140.0	111.581	146.039	202.691	241.303	253.161
140.5	111.581	145.735	200.866	239.682	251.640
141.0	111.581	145.532	198.839	237.959	250.424
141.5	111.581	145.126	196.813	236.439	249.208
142.0	111.480	144.924	194.887	234.513	247.891
142.5	111.378	144.620	192.860	232.790	246.370
143.0	111.277	144.316	190.935	231.169	244.850
143.5	111.277	143.910	188.705	229.446	243.431
144.0	111.277	143.404	186.779	228.128	241.810
144.5	111.581	142.998	184.854	226.608	240.391
145.0	111.987	142.593	182.726	225.291	238.770
145.5	112.696	142.086	180.800	223.973	237.148
146.0	113.608	141.681	178.976	222.554	235.628
146.5	114.520	141.275	177.456	221.034	233.905
147.0	115.432	140.769	175.733	219.514	232.182
147.5	116.243	140.566	174.415	217.994	230.459
148.0	117.155	140.161	172.996	216.271	228.635
148.5	117.966	140.059	171.882	214.649	226.811
149.0	118.979	140.059	170.665	213.028	225.189
149.5	119.689	140.363	169.551	211.305	223.162
150.0	120.500	140.566	168.436	209.683	221.034
150.5	121.209	140.667	167.220	207.859	218.805
151.0	121.716	140.971	165.598	206.035	216.170
151.5	122.222	141.073	163.875	204.109	213.737
152.0	122.831	141.275	162.254	202.083	211.305
152.5	123.439	141.478	160.734	199.954	208.670
153.0	123.844	141.579	159.112	197.522	206.542
153.5	124.351	141.883	157.389	194.988	204.109
154.0	124.756	141.782	155.869	192.151	202.083
154.5	125.263	141.883	154.552	189.414	200.056
155.0	125.465	142.086	153.234	186.273	198.535
155.5	125.871	142.187	151.917	183.334	196.914
156.0	126.175	142.187	151.004	180.192	195.495
156.5	126.682	142.187	150.092	177.050	193.671
157.0	126.884	142.390	149.180	174.213	191.948
157.5	127.188	142.390	148.572	171.476	190.022
158.0	127.594	142.289	148.268	168.639	188.198
158.5	127.695	142.289	147.863	166.308	186.070
159.0	128.202	141.985	147.559	164.078	184.246
159.5	128.607	141.782	147.052	161.950	182.219
160.0	129.114	141.579	146.545	160.227	180.192
160.5	129.722	141.478	146.140	158.605	178.266
161.0	130.127	141.174	146.039	156.883	176.341
161.5	130.735	141.073	145.836	155.160	174.922
162.0	131.242	140.870	146.140	153.741	173.706
162.5	131.749	140.870	146.343	152.221	172.287
163.0	132.357	140.769	146.444	150.599	171.071
163.5	132.864	140.769	146.647	148.876	169.551
164.0	133.066	140.769	146.849	146.748	168.132
164.5	133.370	140.566	146.647	145.126	166.308
165.0	133.674	140.566	146.343	143.505	164.483
165.5	133.978	140.465	146.039	142.390	162.558
166.0	134.283	140.363	145.836	141.174	159.619
166.5	134.587	140.363	145.532	140.161	158.200

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L100-840-HE-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

<b>167.0</b>	134.992	140.363	145.228	139.248	157.085
<b>167.5</b>	135.195	140.363	144.620	138.438	155.970
<b>168.0</b>	135.499	140.363	144.113	137.627	155.058
<b>168.5</b>	136.107	139.958	143.404	136.918	153.944
<b>169.0</b>	136.411	140.059	142.897	136.208	152.829
<b>169.5</b>	136.918	139.755	142.086	135.397	151.613
<b>170.0</b>	137.120	139.654	141.377	134.384	150.498
<b>170.5</b>	137.424	139.451	140.465	133.269	149.282
<b>171.0</b>	137.627	139.248	139.451	132.053	147.761
<b>171.5</b>	137.931	139.248	138.539	130.938	146.545
<b>172.0</b>	138.438	139.046	138.032	129.823	144.721
<b>172.5</b>	138.742	139.046	137.424	128.607	142.694
<b>173.0</b>	139.147	138.843	136.918	127.492	139.248
<b>173.5</b>	139.654	138.944	136.715	126.378	134.080
<b>174.0</b>	140.059	138.944	136.613	125.465	127.695
<b>174.5</b>	140.363	138.944	136.411	124.553	120.094
<b>175.0</b>	140.971	139.248	136.309	123.844	111.480
<b>175.5</b>	141.174	139.350	136.208	123.540	102.460
<b>176.0</b>	141.579	139.552	136.208	123.236	96.582
<b>176.5</b>	141.681	139.654	136.107	123.236	92.427
<b>177.0</b>	142.086	139.857	135.904	122.932	88.170
<b>177.5</b>	142.187	139.857	135.600	122.831	87.258
<b>178.0</b>	142.593	140.059	135.499	122.729	87.461
<b>178.5</b>	142.796	140.161	135.600	122.526	87.664
<b>179.0</b>	142.998	140.161	135.499	122.222	87.765
<b>179.5</b>	143.201	140.161	135.397	122.121	87.866
<b>180.0</b>	128.404	128.404	128.404	128.404	128.404



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L100-840-HE-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1160.28	N.A.	11.70
0-30	2431.17	N.A.	24.50
0-40	3905.34	N.A.	39.40
0-60	6609.28	N.A.	66.70
0-80	8233.98	N.A.	83.10
0-90	8642.59	N.A.	87.30
10-90	8340.1	N.A.	84.20
20-40	2745.06	N.A.	27.70
20-50	4196.76	N.A.	42.40
40-70	3667.12	N.A.	37.00
60-80	1624.7	N.A.	16.40
70-80	661.52	N.A.	6.70
80-90	408.61	N.A.	4.10
90-110	477.26	N.A.	4.80
90-120	678.18	N.A.	6.80
90-130	863.10	N.A.	8.70
90-150	1133.09	N.A.	11.40
90-180	1262.15	N.A.	12.70
110-180	784.90	N.A.	7.90
0-180	9904.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	302.49
10-20	857.79
20-30	1270.89
30-40	1474.17
40-50	1451.69
50-60	1252.25
60-70	963.18
70-80	661.52
80-90	408.61
90-100	261.80
100-110	215.46
110-120	200.92
120-130	184.92
130-140	155.39
140-150	114.60
150-160	74.93
160-170	41.28
170-180	12.86

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L100-840-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

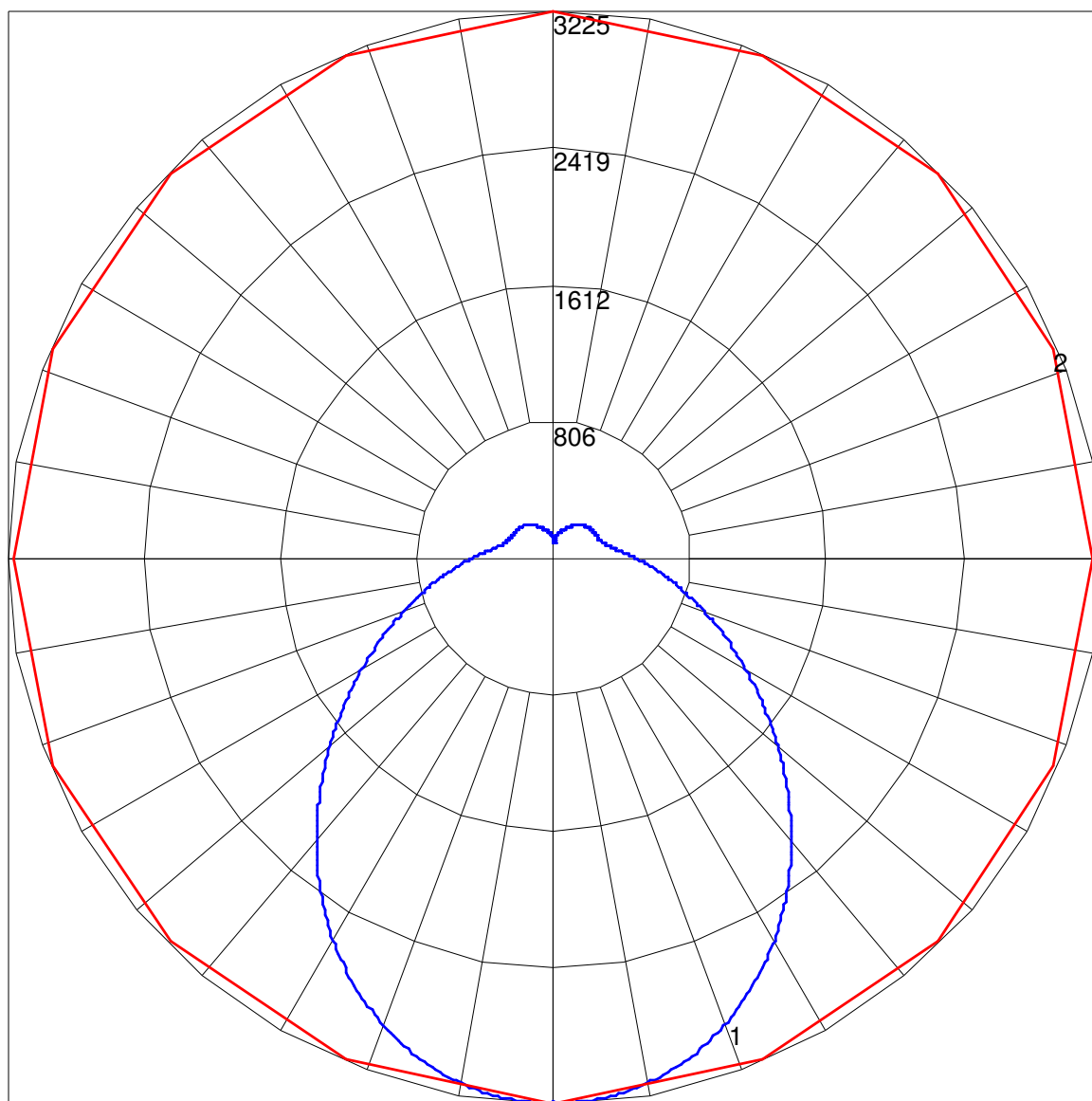
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L100-840-HE-DIM-UNV\_.IES**

**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	19.8	21.2	20.4	21.7	22.3	21.5	22.8	22.0	23.4	24.0
	3H	21.2	22.4	21.7	23.0	23.6	23.7	24.9	24.2	25.5	26.1
	4H	21.6	22.8	22.2	23.4	24.0	24.7	25.9	25.3	26.5	27.2
	6H	21.9	23.0	22.5	23.6	24.3	25.9	26.9	26.5	27.5	28.2
	8H	22.0	23.0	22.6	23.6	24.3	26.4	27.5	27.1	28.1	28.8
	12H	22.0	23.0	22.6	23.6	24.3	27.1	28.1	27.7	28.7	29.4
4H	2H	20.5	21.7	21.1	22.3	23.0	21.9	23.0	22.5	23.6	24.3
	3H	22.1	23.1	22.7	23.7	24.4	24.3	25.3	24.9	25.9	26.6
	4H	22.7	23.6	23.3	24.2	25.0	25.6	26.4	26.2	27.1	27.8
	6H	23.1	23.9	23.8	24.6	25.3	26.9	27.7	27.5	28.3	29.1
	8H	23.2	24.0	23.9	24.6	25.4	27.6	28.3	28.2	29.0	29.7
	12H	23.3	24.0	24.0	24.7	25.4	28.4	29.0	29.0	29.7	30.5
8H	4H	23.3	24.0	23.9	24.7	25.4	25.7	26.5	26.4	27.1	27.9
	6H	23.9	24.5	24.5	25.2	25.9	27.2	27.9	27.9	28.6	29.3
	8H	24.1	24.6	24.7	25.3	26.1	28.1	28.7	28.8	29.4	30.1
	12H	24.2	24.7	24.9	25.4	26.2	29.1	29.6	29.8	30.3	31.1
12H	4H	23.4	24.1	24.1	24.8	25.5	25.7	26.4	26.4	27.1	27.9
	6H	24.1	24.7	24.8	25.4	26.2	27.3	27.9	28.0	28.5	29.3
	8H	24.4	24.9	25.1	25.6	26.4	28.2	28.7	28.9	29.4	30.2

Maximum UGR = 31.1

POLAR GRAPH



Maximum Candela = 3224.807 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.)