

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L100-840-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-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	9929
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
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	21786	19514	19323
55	18865	16706	16963
65	15859	14309	15118
75	12719	12500	14131
85	9329	12296	14930

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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	3213.554	3213.554	3213.554	3213.554	3213.554
0.5	3198.314	3210.506	3212.538	3211.522	3232.858
1.0	3198.314	3211.522	3211.522	3210.506	3231.842
1.5	3195.266	3211.522	3210.506	3209.490	3232.858
2.0	3194.251	3208.474	3210.506	3208.474	3229.810
2.5	3194.251	3208.474	3207.458	3207.458	3227.778
3.0	3191.203	3205.426	3205.426	3205.426	3225.746
3.5	3189.171	3202.378	3202.378	3203.394	3223.714
4.0	3187.139	3200.346	3200.346	3199.330	3221.682
4.5	3182.059	3197.298	3198.314	3197.298	3218.634
5.0	3179.011	3194.251	3194.251	3194.251	3215.586
5.5	3174.947	3190.187	3190.187	3191.203	3211.522
6.0	3172.915	3185.107	3186.123	3186.123	3207.458
6.5	3165.803	3181.043	3182.059	3182.059	3202.378
7.0	3161.739	3175.963	3176.979	3175.963	3198.314
7.5	3157.675	3169.867	3171.899	3171.899	3193.235
8.0	3152.595	3165.803	3165.803	3165.803	3186.123
8.5	3147.515	3158.691	3160.723	3160.723	3180.027
9.0	3139.387	3153.611	3154.627	3153.611	3172.915
9.5	3134.308	3146.499	3146.499	3146.499	3168.851
10.0	3126.180	3138.371	3138.371	3140.403	3160.723
10.5	3119.068	3131.260	3132.276	3132.276	3153.611
11.0	3111.956	3124.148	3125.164	3124.148	3145.483
11.5	3102.812	3116.020	3118.052	3116.020	3138.371
12.0	3094.684	3106.876	3108.908	3108.908	3129.228
12.5	3086.556	3097.732	3100.780	3098.748	3121.100
13.0	3077.412	3089.604	3091.636	3090.620	3111.956
13.5	3068.269	3079.444	3081.476	3081.476	3103.828
14.0	3057.093	3069.285	3071.317	3071.317	3092.652
14.5	3047.949	3059.125	3061.157	3061.157	3084.524
15.0	3038.805	3048.965	3049.981	3049.981	3072.333
15.5	3027.629	3036.773	3039.821	3039.821	3060.141
16.0	3015.438	3025.597	3028.645	3028.645	3049.981
16.5	3005.278	3013.406	3016.453	3017.469	3038.805
17.0	2991.054	3000.198	3004.262	3005.278	3026.613
17.5	2978.862	2988.006	2992.070	2993.086	3014.422
18.0	2967.686	2975.814	2978.862	2981.910	3003.246
18.5	2954.479	2963.622	2966.670	2968.702	2990.038
19.0	2941.271	2948.383	2953.463	2955.495	2975.814
19.5	2926.031	2936.191	2940.255	2944.319	2962.606
20.0	2909.775	2920.951	2926.031	2929.079	2948.383
20.5	2893.520	2907.743	2911.807	2915.871	2935.175
21.0	2880.312	2891.488	2894.536	2902.663	2920.951
21.5	2865.072	2876.248	2881.328	2885.392	2905.711
22.0	2848.816	2862.024	2867.104	2871.168	2892.504
22.5	2834.593	2843.736	2850.848	2856.944	2877.264
23.0	2817.321	2827.481	2834.593	2840.688	2861.008
23.5	2799.033	2810.209	2819.353	2825.449	2845.768
24.0	2780.745	2792.937	2802.081	2809.193	2829.513
24.5	2765.506	2775.666	2785.825	2791.921	2811.225
25.0	2748.234	2758.394	2769.570	2775.666	2794.969
25.5	2728.930	2741.122	2750.266	2759.410	2775.666
26.0	2710.643	2721.818	2734.010	2742.138	2760.426
26.5	2691.339	2702.515	2716.739	2723.850	2743.154

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CANDELA TABULATION - (Cont.)

27.0	2672.035	2682.195	2699.467	2708.611	2725.882
27.5	2649.684	2662.891	2680.163	2688.291	2708.611
28.0	2633.428	2643.588	2660.859	2670.003	2689.307
28.5	2612.092	2624.284	2641.556	2650.700	2670.003
29.0	2591.773	2603.964	2621.236	2632.412	2651.716
29.5	2570.437	2582.629	2600.916	2612.092	2631.396
30.0	2549.101	2562.309	2580.597	2594.821	2614.124
30.5	2526.750	2539.957	2561.293	2575.517	2593.805
31.0	2505.414	2518.622	2539.957	2555.197	2572.469
31.5	2483.062	2498.302	2519.638	2535.894	2554.181
32.0	2461.727	2474.935	2499.318	2514.558	2532.846
32.5	2438.359	2452.583	2477.983	2494.238	2512.526
33.0	2416.008	2431.247	2454.615	2473.919	2492.206
33.5	2394.672	2408.896	2434.295	2451.567	2470.871
34.0	2369.272	2385.528	2411.944	2431.247	2451.567
34.5	2345.905	2363.176	2390.608	2408.896	2429.215
35.0	2324.569	2338.793	2369.272	2388.576	2407.880
35.5	2297.138	2316.441	2345.905	2366.224	2385.528
36.0	2275.802	2292.058	2323.553	2343.873	2364.192
36.5	2249.386	2267.674	2300.185	2322.537	2343.873
37.0	2225.003	2244.306	2276.818	2299.169	2322.537
37.5	2199.603	2218.907	2254.466	2278.850	2299.169
38.0	2174.204	2194.523	2230.083	2255.482	2274.786
38.5	2147.788	2169.124	2206.715	2234.147	2252.434
39.0	2124.420	2143.724	2182.331	2210.779	2234.147
39.5	2098.005	2120.356	2158.964	2187.411	2209.763
40.0	2069.557	2093.941	2134.580	2166.076	2186.395
40.5	2043.142	2068.541	2111.213	2143.724	2164.044
41.0	2018.758	2043.142	2086.829	2120.356	2140.676
41.5	1992.343	2017.742	2062.445	2096.989	2118.325
42.0	1965.927	1992.343	2038.062	2074.637	2095.973
42.5	1940.528	1965.927	2012.662	2051.270	2072.605
43.0	1912.080	1940.528	1989.295	2028.918	2050.254
43.5	1887.696	1914.112	1963.895	2005.550	2027.902
44.0	1860.265	1887.696	1938.496	1983.199	2004.534
44.5	1834.865	1862.297	1913.096	1958.815	1981.167
45.0	1808.450	1835.881	1888.712	1937.480	1959.831
45.5	1782.034	1810.482	1864.329	1915.128	1937.480
46.0	1755.619	1784.066	1837.913	1890.744	1914.112
46.5	1729.203	1757.651	1815.562	1870.425	1891.760
47.0	1701.772	1732.251	1790.162	1846.041	1869.409
47.5	1675.356	1705.835	1764.762	1822.673	1846.041
48.0	1649.956	1679.420	1739.363	1801.338	1822.673
48.5	1621.509	1654.020	1715.995	1776.954	1800.322
49.0	1596.109	1626.589	1689.580	1753.587	1776.954
49.5	1569.694	1601.189	1665.196	1731.235	1754.603
50.0	1542.262	1574.774	1640.813	1706.851	1731.235
50.5	1516.863	1549.374	1615.413	1686.532	1709.899
51.0	1490.447	1522.958	1593.061	1663.164	1687.548
51.5	1465.047	1496.543	1567.662	1640.813	1665.196
52.0	1437.616	1471.143	1543.278	1617.445	1642.844
52.5	1411.200	1444.728	1519.911	1594.077	1621.509
53.0	1383.769	1419.328	1495.527	1573.758	1598.141
53.5	1357.353	1393.929	1472.159	1550.390	1576.806
54.0	1331.954	1368.529	1448.792	1528.038	1555.470
54.5	1307.570	1342.114	1425.424	1507.719	1534.134

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55.0	1282.171	1317.730	1402.057	1484.351	1514.831
55.5	1260.835	1292.330	1378.689	1463.015	1491.463
56.0	1236.451	1269.979	1356.337	1441.680	1470.127
56.5	1211.052	1246.611	1332.970	1420.344	1449.808
57.0	1186.668	1223.244	1310.618	1399.009	1428.472
57.5	1161.269	1198.860	1291.314	1378.689	1405.104
58.0	1135.869	1174.476	1268.963	1356.337	1387.833
58.5	1111.485	1150.093	1246.611	1337.034	1367.513
59.0	1087.102	1125.709	1225.275	1319.762	1346.177
59.5	1062.718	1102.342	1205.972	1298.426	1329.922
60.0	1038.335	1077.958	1184.636	1278.107	1309.602
60.5	1014.459	1054.590	1163.301	1258.803	1289.282
61.0	990.482	1031.223	1141.965	1239.499	1269.979
61.5	966.708	1008.058	1120.629	1220.196	1251.691
62.0	943.340	985.097	1100.310	1201.908	1232.387
62.5	920.277	962.339	1078.974	1183.620	1214.100
63.0	896.910	939.683	1058.654	1164.317	1197.844
63.5	873.745	917.331	1039.351	1146.029	1179.556
64.0	851.191	895.284	1019.031	1126.725	1161.269
64.5	828.737	873.745	999.727	1108.437	1142.981
65.0	806.487	852.105	980.322	1090.150	1125.709
65.5	784.542	830.972	961.120	1071.862	1107.421
66.0	762.292	809.840	942.121	1053.574	1090.150
66.5	740.550	789.216	923.224	1036.303	1072.878
67.0	719.316	768.794	904.428	1018.015	1055.606
67.5	697.980	748.678	886.039	1000.946	1038.335
68.0	676.949	729.069	867.751	983.675	1022.079
68.5	656.223	709.563	849.870	966.911	1005.112
69.0	635.599	690.259	832.192	950.046	989.059
69.5	615.279	671.362	814.717	933.688	973.109
70.0	595.061	652.769	797.547	917.636	957.259
70.5	575.351	634.380	780.377	901.583	941.613
71.0	555.844	616.194	763.511	885.734	926.170
71.5	536.541	598.414	747.052	870.291	910.930
72.0	517.643	580.533	730.593	854.950	896.097
72.5	498.644	563.261	714.541	839.913	881.365
73.0	480.154	546.091	698.590	825.080	866.532
73.5	462.171	529.124	683.147	810.348	852.105
74.0	444.391	512.665	667.501	796.124	837.576
74.5	426.916	496.104	652.566	782.002	823.861
75.0	409.543	479.950	637.733	768.185	810.551
75.5	392.474	464.203	623.102	754.469	797.039
76.0	375.914	448.760	608.879	740.855	783.831
76.5	359.455	433.520	594.756	727.545	770.623
77.0	343.199	418.382	580.837	714.338	757.822
77.5	327.248	403.650	567.122	701.536	745.122
78.0	311.500	389.223	553.812	688.938	732.625
78.5	296.057	374.999	540.605	676.238	720.230
79.0	280.919	361.182	527.803	663.945	708.039
79.5	265.883	347.466	515.205	651.956	695.847
80.0	251.049	333.954	502.607	640.069	684.265
80.5	236.622	320.847	490.415	628.081	672.479
81.0	222.602	307.944	478.731	616.498	660.999
81.5	208.378	295.346	467.047	605.018	649.518
82.0	194.662	283.053	455.668	593.944	638.444
82.5	181.251	270.963	444.493	582.869	627.573

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83.0	168.044	259.177	433.520	572.202	617.006
83.5	154.937	247.697	423.055	561.331	606.034
84.0	142.136	236.521	412.895	551.069	595.569
84.5	129.436	225.751	402.939	540.909	585.308
85.0	117.244	215.287	393.185	530.851	575.046
85.5	105.053	205.330	383.635	521.098	565.090
86.0	93.064	195.780	374.288	511.547	555.235
86.5	81.177	186.839	365.449	501.997	545.380
87.0	69.493	178.203	356.508	492.955	535.728
87.5	57.809	170.177	348.076	483.811	526.482
88.0	46.227	162.354	339.745	474.972	517.135
88.5	34.543	155.039	331.718	466.235	508.093
89.0	23.876	148.130	324.099	457.802	499.152
89.5	15.138	141.730	316.682	449.674	490.415
90.0	9.042	136.040	309.875	441.953	482.389
90.5	6.401	131.062	303.576	434.231	473.854
91.0	6.807	126.490	297.175	426.408	465.727
91.5	8.128	122.121	290.774	418.991	457.599
92.0	9.652	118.464	284.678	411.473	449.674
92.5	11.277	115.314	279.497	404.260	441.851
93.0	12.903	112.571	274.112	397.453	434.333
93.5	14.630	110.437	269.032	390.747	427.221
94.0	16.459	108.609	264.257	384.448	420.312
94.5	18.186	107.288	259.787	378.047	413.200
95.0	19.913	106.272	255.621	371.748	406.393
95.5	21.539	105.561	251.761	365.754	399.688
96.0	22.860	105.256	248.408	359.963	393.084
96.5	24.180	105.256	245.055	354.578	386.988
97.0	25.400	105.357	242.007	349.397	380.892
97.5	26.720	105.764	239.162	344.418	375.304
98.0	27.838	106.170	236.622	339.542	369.615
98.5	29.159	106.678	234.489	334.868	364.331
99.0	30.479	107.288	232.254	330.499	359.150
99.5	31.902	107.999	230.323	326.334	354.070
100.0	33.121	108.710	228.799	322.473	349.498
100.5	34.543	109.523	227.275	318.714	344.825
101.0	35.763	110.336	226.158	315.158	340.659
101.5	36.982	111.149	225.040	311.805	336.392
102.0	38.099	111.961	224.227	308.656	332.633
102.5	39.217	112.774	223.415	305.709	328.874
103.0	40.335	113.688	222.805	302.763	325.521
103.5	41.554	114.603	222.297	300.223	322.067
104.0	42.874	115.416	221.789	297.886	318.917
104.5	44.195	116.330	221.484	295.651	315.971
105.0	45.414	117.244	221.179	293.619	313.126
105.5	46.532	118.057	220.875	291.486	310.688
106.0	47.853	119.073	220.773	289.657	308.249
106.5	49.072	119.988	220.773	287.930	305.811
107.0	50.291	121.004	220.773	286.304	303.779
107.5	51.409	121.816	220.773	285.085	301.645
108.0	52.831	122.832	220.773	283.662	299.512
108.5	54.152	123.848	220.875	282.646	298.089
109.0	55.473	124.661	221.078	281.326	296.667
109.5	56.895	125.575	221.179	280.411	295.143
110.0	58.317	126.490	221.383	279.395	293.924
110.5	59.740	127.404	221.586	278.481	292.806

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CANDELA TABULATION - (Cont.)

111.0	61.162	128.319	221.687	277.668	291.587
111.5	62.585	129.131	221.789	277.059	290.571
112.0	64.109	130.046	221.992	276.449	289.352
112.5	65.633	130.960	222.195	275.738	288.234
113.0	67.258	131.875	222.500	275.230	287.726
113.5	68.782	132.687	222.500	274.722	287.015
114.0	70.408	133.500	222.703	274.315	286.304
114.5	71.932	134.415	222.907	273.807	285.694
115.0	73.557	135.126	223.110	273.503	285.186
115.5	75.183	136.040	223.110	273.198	284.678
116.0	76.707	136.853	223.415	272.791	284.069
116.5	78.129	137.666	223.618	272.385	283.866
117.0	79.755	138.580	223.821	272.385	283.358
117.5	81.279	139.291	224.024	271.979	283.053
118.0	82.599	140.002	224.227	271.775	282.646
118.5	84.123	140.714	224.329	271.471	282.545
119.0	85.444	141.425	224.532	271.166	281.935
119.5	86.867	141.933	224.735	270.861	281.834
120.0	88.187	142.441	224.634	270.658	281.326
120.5	89.508	143.050	224.735	270.251	281.224
121.0	90.829	143.457	224.939	269.947	280.818
121.5	92.251	143.965	224.837	269.540	280.615
122.0	93.572	144.574	224.837	269.337	280.310
122.5	94.893	145.184	224.939	268.931	279.599
123.0	96.214	145.794	224.837	268.524	279.497
123.5	97.433	146.302	224.634	268.220	278.887
124.0	98.449	146.708	224.634	267.915	278.786
124.5	99.465	147.114	224.634	267.407	278.379
125.0	100.481	147.622	224.431	266.899	277.973
125.5	101.497	147.927	224.227	266.594	277.465
126.0	102.411	148.334	224.126	265.984	277.059
126.5	103.224	148.842	223.923	265.578	276.754
127.0	104.138	149.045	223.719	265.070	276.347
127.5	104.849	149.349	223.415	264.562	275.636
128.0	105.764	149.349	223.313	263.952	275.230
128.5	106.475	149.553	222.907	263.444	274.823
129.0	107.186	149.756	222.500	262.936	274.315
129.5	107.796	150.061	221.789	262.124	273.706
130.0	108.304	150.264	221.078	261.616	273.096
130.5	108.812	150.467	220.265	261.006	272.385
131.0	109.117	150.772	219.452	260.092	271.674
131.5	109.523	151.077	218.640	259.279	270.963
132.0	109.929	151.381	217.725	258.771	270.353
132.5	110.133	151.483	216.709	257.755	269.439
133.0	110.437	151.585	216.303	256.840	268.321
133.5	110.539	151.483	215.693	256.129	267.813
134.0	110.641	151.280	215.287	255.317	267.102
134.5	110.945	150.873	214.779	254.402	265.781
135.0	111.250	150.569	214.169	253.183	264.765
135.5	111.149	149.756	213.661	252.370	263.952
136.0	111.352	149.654	212.950	251.354	262.936
136.5	111.555	149.349	212.442	250.237	261.920
137.0	111.657	148.842	211.629	249.322	260.803
137.5	111.758	148.334	210.918	248.103	259.787
138.0	111.961	148.029	209.902	247.087	258.568
138.5	111.961	147.622	208.581	245.969	257.653

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

139.0	111.860	147.318	207.057	244.649	256.231
139.5	111.860	146.911	205.229	243.226	255.215
140.0	111.860	146.403	203.197	241.906	253.793
140.5	111.860	146.098	201.368	240.280	252.269
141.0	111.860	145.895	199.336	238.553	251.049
141.5	111.860	145.489	197.304	237.029	249.830
142.0	111.758	145.286	195.374	235.098	248.509
142.5	111.657	144.981	193.342	233.371	246.985
143.0	111.555	144.676	191.411	231.746	245.461
143.5	111.555	144.270	189.176	230.019	244.039
144.0	111.555	143.762	187.246	228.698	242.414
144.5	111.860	143.355	185.315	227.174	240.991
145.0	112.266	142.949	183.182	225.853	239.366
145.5	112.977	142.441	181.251	224.532	237.740
146.0	113.892	142.034	179.423	223.110	236.216
146.5	114.806	141.628	177.899	221.586	234.489
147.0	115.720	141.120	176.171	220.062	232.762
147.5	116.533	140.917	174.851	218.538	231.035
148.0	117.448	140.510	173.428	216.811	229.206
148.5	118.260	140.409	172.311	215.185	227.377
149.0	119.276	140.409	171.092	213.560	225.751
149.5	119.988	140.714	169.974	211.832	223.719
150.0	120.800	140.917	168.856	210.207	221.586
150.5	121.512	141.018	167.637	208.378	219.351
151.0	122.020	141.323	166.012	206.549	216.709
151.5	122.528	141.425	164.284	204.619	214.271
152.0	123.137	141.628	162.659	202.587	211.832
152.5	123.747	141.831	161.135	200.453	209.191
153.0	124.153	141.933	159.509	198.015	207.057
153.5	124.661	142.238	157.782	195.475	204.619
154.0	125.068	142.136	156.258	192.630	202.587
154.5	125.575	142.238	154.937	189.887	200.555
155.0	125.779	142.441	153.617	186.738	199.031
155.5	126.185	142.542	152.296	183.791	197.405
156.0	126.490	142.542	151.381	180.642	195.983
156.5	126.998	142.542	150.467	177.492	194.154
157.0	127.201	142.746	149.553	174.647	192.427
157.5	127.506	142.746	148.943	171.904	190.497
158.0	127.912	142.644	148.638	169.060	188.668
158.5	128.014	142.644	148.232	166.723	186.534
159.0	128.522	142.339	147.927	164.488	184.706
159.5	128.928	142.136	147.419	162.354	182.674
160.0	129.436	141.933	146.911	160.627	180.642
160.5	130.046	141.831	146.505	159.001	178.711
161.0	130.452	141.526	146.403	157.274	176.781
161.5	131.062	141.425	146.200	155.547	175.359
162.0	131.570	141.222	146.505	154.125	174.139
162.5	132.078	141.222	146.708	152.601	172.717
163.0	132.687	141.120	146.810	150.975	171.498
163.5	133.195	141.120	147.013	149.248	169.974
164.0	133.399	141.120	147.216	147.114	168.552
164.5	133.703	140.917	147.013	145.489	166.723
165.0	134.008	140.917	146.708	143.863	164.894
165.5	134.313	140.815	146.403	142.746	162.964
166.0	134.618	140.714	146.200	141.526	160.017
166.5	134.923	140.714	145.895	140.510	158.595

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	135.329	140.714	145.590	139.596	157.477
167.5	135.532	140.714	144.981	138.783	156.360
168.0	135.837	140.714	144.473	137.970	155.445
168.5	136.447	140.307	143.762	137.259	154.328
169.0	136.751	140.409	143.254	136.548	153.210
169.5	137.259	140.104	142.441	135.735	151.991
170.0	137.462	140.002	141.730	134.719	150.873
170.5	137.767	139.799	140.815	133.602	149.654
171.0	137.970	139.596	139.799	132.383	148.130
171.5	138.275	139.596	138.885	131.265	146.911
172.0	138.783	139.393	138.377	130.147	145.082
172.5	139.088	139.393	137.767	128.928	143.050
173.0	139.494	139.190	137.259	127.811	139.596
173.5	140.002	139.291	137.056	126.693	134.415
174.0	140.409	139.291	136.955	125.779	128.014
174.5	140.714	139.291	136.751	124.864	120.394
175.0	141.323	139.596	136.650	124.153	111.758
175.5	141.526	139.698	136.548	123.848	102.716
176.0	141.933	139.901	136.548	123.544	96.823
176.5	142.034	140.002	136.447	123.544	92.658
177.0	142.441	140.206	136.243	123.239	88.391
177.5	142.542	140.206	135.939	123.137	87.476
178.0	142.949	140.409	135.837	123.036	87.679
178.5	143.152	140.510	135.939	122.832	87.883
179.0	143.355	140.510	135.837	122.528	87.984
179.5	143.558	140.510	135.735	122.426	88.086
180.0	128.725	128.725	128.725	128.725	128.725

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1163.17	N.A.	11.70
0-30	2437.24	N.A.	24.50
0-40	3915.09	N.A.	39.40
0-60	6625.78	N.A.	66.70
0-80	8254.54	N.A.	83.10
0-90	8664.17	N.A.	87.30
10-90	8360.92	N.A.	84.20
20-40	2751.92	N.A.	27.70
20-50	4207.23	N.A.	42.40
40-70	3676.28	N.A.	37.00
60-80	1628.76	N.A.	16.40
70-80	663.17	N.A.	6.70
80-90	409.63	N.A.	4.10
90-110	478.45	N.A.	4.80
90-120	679.87	N.A.	6.80
90-130	865.25	N.A.	8.70
90-150	1135.91	N.A.	11.40
90-180	1265.31	N.A.	12.70
110-180	786.86	N.A.	7.90
0-180	9929.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	303.24
10-20	859.93
20-30	1274.07
30-40	1477.85
40-50	1455.32
50-60	1255.37
60-70	965.59
70-80	663.17
80-90	409.63
90-100	262.45
100-110	216.00
110-120	201.42
120-130	185.38
130-140	155.78
140-150	114.88
150-160	75.11
160-170	41.39
170-180	12.89

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L100-840-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	87	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-DIM-UNV_.IES

UGR TABLE - CORRECTED

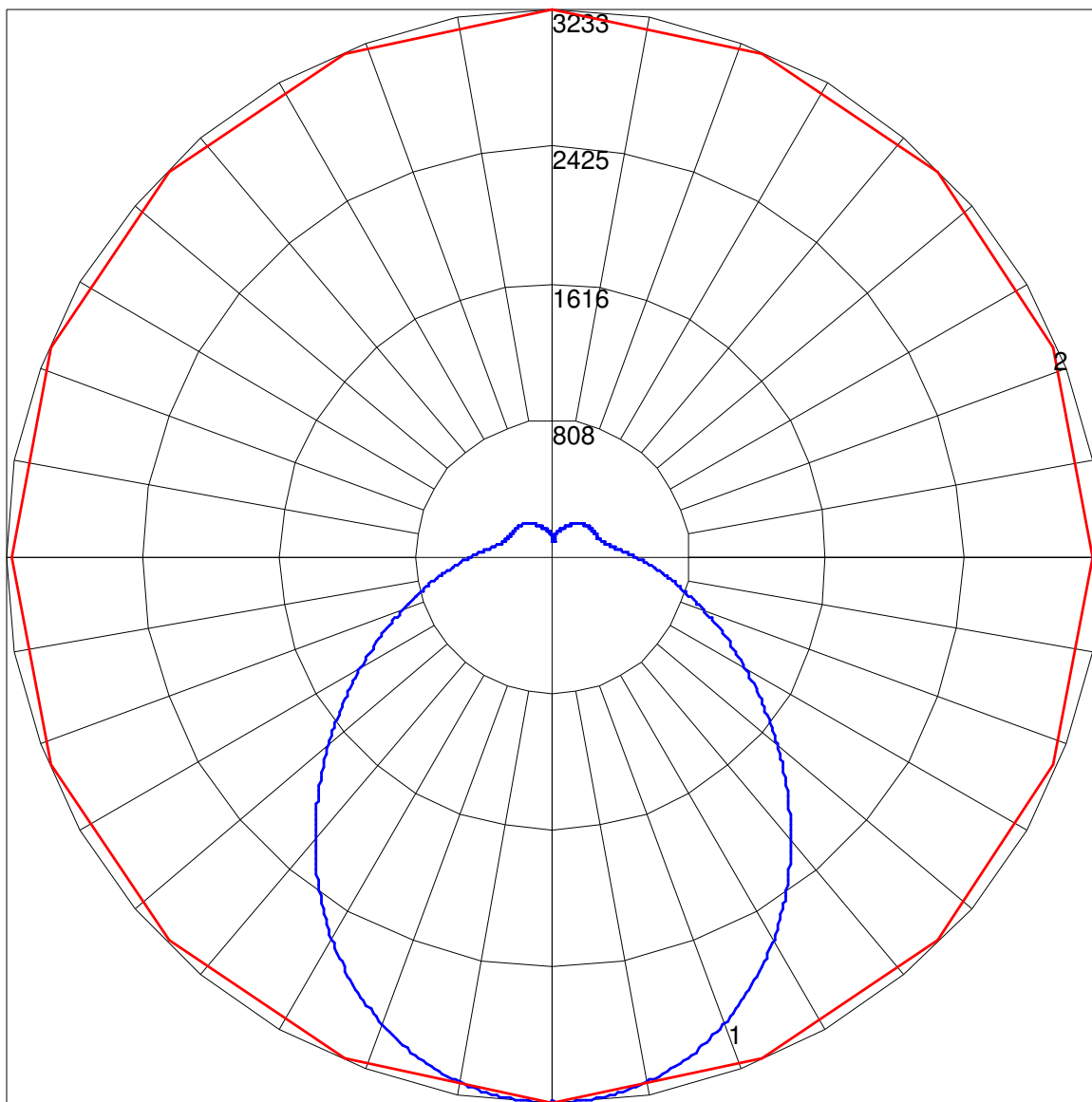
Reflectances

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 = 3232.858 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.)