

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L100-935-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-L100-935-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	8001
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
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	17556	15725	15571
55	15202	13462	13669
65	12779	11530	12182
75	10249	10072	11387
85	7518	9908	12031

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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	2589.563	2589.563	2589.563	2589.563	2589.563
0.5	2577.282	2587.107	2588.744	2587.925	2605.118
1.0	2577.282	2587.925	2587.925	2587.107	2604.299
1.5	2574.826	2587.925	2587.107	2586.288	2605.118
2.0	2574.007	2585.469	2587.107	2585.469	2602.662
2.5	2574.007	2585.469	2584.650	2584.650	2601.025
3.0	2571.551	2583.013	2583.013	2583.013	2599.387
3.5	2569.914	2580.557	2580.557	2581.376	2597.750
4.0	2568.276	2578.920	2578.920	2578.101	2596.112
4.5	2564.183	2576.463	2577.282	2576.463	2593.656
5.0	2561.727	2574.007	2574.007	2574.007	2591.200
5.5	2558.452	2570.732	2570.732	2571.551	2587.925
6.0	2556.814	2566.639	2567.458	2567.458	2584.650
6.5	2551.084	2563.364	2564.183	2564.183	2580.557
7.0	2547.809	2559.271	2560.089	2559.271	2577.282
7.5	2544.534	2554.358	2555.996	2555.996	2573.189
8.0	2540.440	2551.084	2551.084	2551.084	2567.458
8.5	2536.347	2545.353	2546.990	2546.990	2562.545
9.0	2529.797	2541.259	2542.078	2541.259	2556.814
9.5	2525.704	2535.528	2535.528	2535.528	2553.540
10.0	2519.154	2528.979	2528.979	2530.616	2546.990
10.5	2513.423	2523.248	2524.066	2524.066	2541.259
11.0	2507.692	2517.517	2518.335	2517.517	2534.709
11.5	2500.324	2510.967	2512.604	2510.967	2528.979
12.0	2493.774	2503.599	2505.236	2505.236	2521.610
12.5	2487.225	2496.230	2498.686	2497.049	2515.061
13.0	2479.856	2489.681	2491.318	2490.499	2507.692
13.5	2472.488	2481.494	2483.131	2483.131	2501.143
14.0	2463.482	2473.307	2474.944	2474.944	2492.137
14.5	2456.114	2465.120	2466.757	2466.757	2485.587
15.0	2448.745	2456.933	2457.751	2457.751	2475.763
15.5	2439.740	2447.108	2449.564	2449.564	2465.938
16.0	2429.915	2438.102	2440.558	2440.558	2457.751
16.5	2421.728	2428.278	2430.734	2431.553	2448.745
17.0	2410.266	2417.635	2420.910	2421.728	2438.921
17.5	2400.442	2407.810	2411.085	2411.904	2429.097
18.0	2391.436	2397.986	2400.442	2402.898	2420.091
18.5	2380.793	2388.161	2390.617	2392.255	2409.448
19.0	2370.150	2375.881	2379.974	2381.612	2397.986
19.5	2357.869	2366.056	2369.331	2372.606	2387.343
20.0	2344.770	2353.776	2357.869	2360.325	2375.881
20.5	2331.671	2343.133	2346.407	2349.682	2365.238
21.0	2321.028	2330.033	2332.489	2339.039	2353.776
21.5	2308.747	2317.753	2321.846	2325.121	2341.495
22.0	2295.648	2306.291	2310.384	2313.659	2330.852
22.5	2284.186	2291.554	2297.285	2302.197	2318.571
23.0	2270.268	2278.455	2284.186	2289.098	2305.472
23.5	2255.531	2264.537	2271.905	2276.818	2293.192
24.0	2240.795	2250.619	2257.987	2263.718	2280.092
24.5	2228.514	2236.701	2244.888	2249.800	2265.356
25.0	2214.596	2222.783	2231.789	2236.701	2252.256
25.5	2199.041	2208.865	2216.233	2223.602	2236.701
26.0	2184.304	2193.310	2203.134	2209.684	2224.420
26.5	2168.748	2177.754	2189.216	2194.947	2210.502

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**CANDELA TABULATION - (Cont.)**

27.0	2153.193	2161.380	2175.298	2182.666	2196.584
27.5	2135.182	2145.825	2159.743	2166.292	2182.666
28.0	2122.082	2130.269	2144.187	2151.556	2167.111
28.5	2104.890	2114.714	2128.632	2136.000	2151.556
29.0	2088.515	2098.340	2112.258	2121.264	2136.819
29.5	2071.323	2081.147	2095.884	2104.890	2120.445
30.0	2054.130	2064.773	2079.510	2090.972	2106.527
30.5	2036.118	2046.762	2063.954	2075.416	2090.153
31.0	2018.926	2029.569	2046.762	2059.042	2072.960
31.5	2000.914	2013.195	2030.387	2043.487	2058.223
32.0	1983.721	1994.364	2014.013	2026.294	2041.031
32.5	1964.891	1976.353	1996.821	2009.920	2024.656
33.0	1946.880	1959.160	1977.990	1993.546	2008.282
33.5	1929.687	1941.149	1961.616	1975.534	1991.090
34.0	1909.219	1922.318	1943.605	1959.160	1975.534
34.5	1890.389	1904.307	1926.412	1941.149	1957.523
35.0	1873.196	1884.658	1909.219	1924.775	1940.330
35.5	1851.091	1866.646	1890.389	1906.763	1922.318
36.0	1833.898	1846.998	1872.377	1888.752	1905.126
36.5	1812.612	1827.349	1853.547	1871.559	1888.752
37.0	1792.963	1808.518	1834.717	1852.729	1871.559
37.5	1772.495	1788.051	1816.706	1836.354	1852.729
38.0	1752.028	1768.402	1797.057	1817.524	1833.080
38.5	1730.742	1747.934	1778.226	1800.331	1815.068
39.0	1711.911	1727.467	1758.577	1781.501	1800.331
39.5	1690.625	1708.637	1739.747	1762.671	1780.683
40.0	1667.701	1687.350	1720.098	1745.478	1761.852
40.5	1646.415	1666.883	1701.268	1727.467	1743.841
41.0	1626.766	1646.415	1681.619	1708.637	1725.011
41.5	1605.480	1625.947	1661.970	1689.806	1706.999
42.0	1584.193	1605.480	1642.321	1671.795	1688.988
42.5	1563.726	1584.193	1621.854	1652.965	1670.157
43.0	1540.802	1563.726	1603.024	1634.953	1652.146
43.5	1521.153	1542.439	1582.556	1616.123	1634.134
44.0	1499.048	1521.153	1562.088	1598.111	1615.304
44.5	1478.581	1500.686	1541.621	1578.462	1596.474
45.0	1457.294	1479.399	1521.972	1561.270	1579.281
45.5	1436.008	1458.932	1502.323	1543.258	1561.270
46.0	1414.722	1437.645	1481.037	1523.609	1542.439
46.5	1393.435	1416.359	1463.025	1507.235	1524.428
47.0	1371.330	1395.891	1442.558	1487.586	1506.416
47.5	1350.044	1374.605	1422.090	1468.756	1487.586
48.0	1329.576	1353.319	1401.622	1451.563	1468.756
48.5	1306.653	1332.851	1382.792	1431.914	1450.745
49.0	1286.185	1310.746	1361.506	1413.084	1431.914
49.5	1264.899	1290.278	1341.857	1395.073	1413.903
50.0	1242.794	1268.992	1322.208	1375.424	1395.073
50.5	1222.326	1248.525	1301.740	1359.050	1377.880
51.0	1201.040	1227.238	1283.729	1340.219	1359.868
51.5	1180.572	1205.952	1263.261	1322.208	1341.857
52.0	1158.467	1185.484	1243.612	1303.378	1323.845
52.5	1137.181	1164.198	1224.782	1284.548	1306.653
53.0	1115.076	1143.730	1205.133	1268.173	1287.822
53.5	1093.789	1123.263	1186.303	1249.343	1270.630
54.0	1073.322	1102.795	1167.473	1231.332	1253.437
54.5	1053.673	1081.509	1148.643	1214.958	1236.244

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**CANDELA TABULATION - (Cont.)**

55.0	1033.205	1061.860	1129.812	1196.127	1220.689
55.5	1016.012	1041.392	1110.982	1178.935	1201.858
56.0	996.364	1023.381	1092.971	1161.742	1184.666
56.5	975.896	1004.551	1074.140	1144.549	1168.291
57.0	956.247	985.720	1056.129	1127.356	1151.099
57.5	935.779	966.071	1040.574	1110.982	1132.268
58.0	915.312	946.423	1022.562	1092.971	1118.350
58.5	895.663	926.774	1004.551	1077.415	1101.976
59.0	876.014	907.125	987.358	1063.497	1084.784
59.5	856.365	888.294	971.802	1046.304	1071.684
60.0	836.716	868.646	954.610	1029.930	1055.310
60.5	817.477	849.815	937.417	1014.375	1038.936
61.0	798.155	830.985	920.224	998.820	1023.381
61.5	778.997	812.319	903.031	983.264	1008.644
62.0	760.167	793.816	886.657	968.528	993.089
62.5	741.583	775.477	869.464	953.791	978.352
63.0	722.752	757.220	853.090	938.235	965.253
63.5	704.086	739.208	837.535	923.499	950.516
64.0	685.911	721.442	821.161	907.943	935.779
64.5	667.817	704.086	805.605	893.207	921.043
65.0	649.888	686.648	789.968	878.470	907.125
65.5	632.204	669.618	774.495	863.733	892.388
66.0	614.274	652.589	759.185	848.997	878.470
66.5	596.754	635.970	743.957	835.079	864.552
67.0	579.643	619.514	728.811	820.342	850.634
67.5	562.450	603.303	713.992	806.588	836.716
68.0	545.503	587.502	699.256	792.670	823.617
68.5	528.801	571.783	684.846	779.161	809.944
69.0	512.182	556.228	670.601	765.571	797.009
69.5	495.808	541.000	656.519	752.390	784.155
70.0	479.515	526.018	642.683	739.454	771.383
70.5	463.632	511.199	628.847	726.518	758.775
71.0	447.913	496.544	615.257	713.747	746.331
71.5	432.358	482.217	601.993	701.302	734.051
72.0	417.130	467.808	588.730	688.940	722.097
72.5	401.820	453.890	575.795	676.823	710.226
73.0	386.920	440.054	562.941	664.870	698.273
73.5	372.429	426.381	550.497	652.999	686.648
74.0	358.101	413.118	537.889	641.537	674.940
74.5	344.020	399.773	525.854	630.157	663.888
75.0	330.020	386.756	513.901	619.023	653.163
75.5	316.266	374.066	502.112	607.970	642.274
76.0	302.921	361.622	490.650	596.999	631.631
76.5	289.658	349.341	479.270	586.274	620.987
77.0	276.558	337.143	468.053	575.631	610.672
77.5	263.705	325.271	457.001	565.316	600.438
78.0	251.015	313.646	446.276	555.164	590.368
78.5	238.571	302.184	435.633	544.930	580.380
79.0	226.372	291.049	425.317	535.023	570.555
79.5	214.255	279.997	415.165	525.363	560.731
80.0	202.302	269.108	405.013	515.784	551.398
80.5	190.676	258.547	395.189	506.123	541.901
81.0	179.378	248.149	385.774	496.790	532.649
81.5	167.916	237.997	376.359	487.539	523.398
82.0	156.864	228.091	367.189	478.615	514.474
82.5	146.057	218.349	358.183	469.691	505.714

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**CANDELA TABULATION - (Cont.)**

83.0	135.414	208.852	349.341	461.094	497.199
83.5	124.852	199.600	340.909	452.334	488.357
84.0	114.537	190.594	332.722	444.065	479.925
84.5	104.303	181.916	324.698	435.878	471.656
85.0	94.479	173.484	316.839	427.773	463.387
85.5	84.654	165.460	309.143	419.914	455.364
86.0	74.993	157.764	301.611	412.218	447.422
86.5	65.414	150.560	294.488	404.522	439.481
87.0	55.999	143.601	287.283	397.235	431.703
87.5	46.584	137.133	280.488	389.867	424.253
88.0	37.251	130.829	273.775	382.744	416.721
88.5	27.836	124.934	267.307	375.704	409.434
89.0	19.240	119.367	261.167	368.908	402.230
89.5	12.199	114.209	255.190	362.359	395.189
90.0	7.286	109.625	249.705	356.137	388.721
90.5	5.158	105.613	244.629	349.914	381.844
91.0	5.485	101.929	239.471	343.610	375.294
91.5	6.550	98.408	234.313	337.634	368.745
92.0	7.778	95.461	229.401	331.575	362.359
92.5	9.088	92.923	225.226	325.763	356.055
93.0	10.398	90.712	220.887	320.277	349.996
93.5	11.789	88.993	216.793	314.874	344.265
94.0	13.263	87.520	212.945	309.798	338.698
94.5	14.655	86.455	209.343	304.640	332.967
95.0	16.047	85.637	205.986	299.564	327.482
95.5	17.357	85.063	202.875	294.734	322.078
96.0	18.421	84.818	200.173	290.067	316.757
96.5	19.485	84.818	197.472	285.728	311.845
97.0	20.468	84.900	195.015	281.553	306.932
97.5	21.532	85.227	192.723	277.541	302.429
98.0	22.433	85.555	190.676	273.611	297.845
98.5	23.497	85.964	188.957	269.845	293.587
99.0	24.561	86.455	187.156	266.325	289.412
99.5	25.707	87.028	185.600	262.968	285.319
100.0	26.690	87.601	184.372	259.857	281.634
100.5	27.836	88.256	183.144	256.828	277.868
101.0	28.818	88.911	182.244	253.962	274.512
101.5	29.801	89.566	181.343	251.260	271.073
102.0	30.701	90.221	180.688	248.722	268.044
102.5	31.602	90.876	180.033	246.348	265.015
103.0	32.503	91.613	179.542	243.974	262.313
103.5	33.485	92.350	179.133	241.927	259.529
104.0	34.549	93.005	178.723	240.044	256.991
104.5	35.614	93.742	178.478	238.243	254.617
105.0	36.596	94.479	178.232	236.606	252.325
105.5	37.497	95.133	177.986	234.886	250.360
106.0	38.561	95.952	177.905	233.413	248.395
106.5	39.543	96.689	177.905	232.021	246.430
107.0	40.526	97.508	177.905	230.711	244.793
107.5	41.426	98.163	177.905	229.729	243.073
108.0	42.573	98.981	177.905	228.582	241.354
108.5	43.637	99.800	177.986	227.764	240.208
109.0	44.701	100.455	178.150	226.699	239.062
109.5	45.847	101.192	178.232	225.962	237.834
110.0	46.994	101.929	178.396	225.144	236.851
110.5	48.140	102.666	178.559	224.407	235.951

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**CANDELA TABULATION - (Cont.)**

111.0	49.286	103.402	178.641	223.752	234.968
111.5	50.432	104.057	178.723	223.261	234.150
112.0	51.660	104.794	178.887	222.770	233.167
112.5	52.888	105.531	179.051	222.196	232.266
113.0	54.198	106.268	179.296	221.787	231.857
113.5	55.426	106.923	179.296	221.378	231.284
114.0	56.736	107.578	179.460	221.050	230.711
114.5	57.964	108.315	179.624	220.641	230.220
115.0	59.274	108.888	179.788	220.395	229.810
115.5	60.584	109.625	179.788	220.150	229.401
116.0	61.812	110.280	180.033	219.822	228.910
116.5	62.958	110.934	180.197	219.495	228.746
117.0	64.268	111.671	180.361	219.495	228.337
117.5	65.496	112.244	180.524	219.167	228.091
118.0	66.561	112.817	180.688	219.003	227.764
118.5	67.789	113.391	180.770	218.758	227.682
119.0	68.853	113.964	180.934	218.512	227.191
119.5	69.999	114.373	181.097	218.267	227.109
120.0	71.064	114.782	181.016	218.103	226.699
120.5	72.128	115.274	181.097	217.775	226.617
121.0	73.192	115.601	181.261	217.530	226.290
121.5	74.338	116.010	181.179	217.202	226.126
122.0	75.403	116.502	181.179	217.039	225.881
122.5	76.467	116.993	181.261	216.711	225.308
123.0	77.531	117.484	181.179	216.384	225.226
123.5	78.514	117.893	181.016	216.138	224.734
124.0	79.332	118.221	181.016	215.892	224.653
124.5	80.151	118.548	181.016	215.483	224.325
125.0	80.970	118.958	180.852	215.074	223.998
125.5	81.789	119.203	180.688	214.828	223.588
126.0	82.525	119.531	180.606	214.337	223.261
126.5	83.180	119.940	180.442	214.009	223.015
127.0	83.917	120.104	180.279	213.600	222.688
127.5	84.490	120.350	180.033	213.191	222.115
128.0	85.227	120.350	179.951	212.699	221.787
128.5	85.800	120.513	179.624	212.290	221.460
129.0	86.373	120.677	179.296	211.881	221.050
129.5	86.865	120.923	178.723	211.226	220.559
130.0	87.274	121.086	178.150	210.816	220.068
130.5	87.683	121.250	177.495	210.325	219.495
131.0	87.929	121.496	176.840	209.588	218.922
131.5	88.256	121.741	176.185	208.933	218.349
132.0	88.584	121.987	175.448	208.524	217.857
132.5	88.748	122.069	174.630	207.705	217.120
133.0	88.993	122.151	174.302	206.969	216.220
133.5	89.075	122.069	173.811	206.395	215.811
134.0	89.157	121.905	173.484	205.740	215.237
134.5	89.403	121.578	173.074	205.004	214.173
135.0	89.648	121.332	172.583	204.021	213.354
135.5	89.566	120.677	172.174	203.366	212.699
136.0	89.730	120.595	171.600	202.548	211.881
136.5	89.894	120.350	171.191	201.647	211.062
137.0	89.976	119.940	170.536	200.910	210.161
137.5	90.058	119.531	169.963	199.928	209.343
138.0	90.221	119.285	169.144	199.109	208.360
138.5	90.221	118.958	168.080	198.208	207.623

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

139.0	90.139	118.712	166.852	197.144	206.477
139.5	90.139	118.385	165.378	195.998	205.659
140.0	90.139	117.975	163.741	194.934	204.512
140.5	90.139	117.730	162.267	193.624	203.284
141.0	90.139	117.566	160.630	192.232	202.302
141.5	90.139	117.238	158.992	191.004	201.319
142.0	90.058	117.075	157.437	189.448	200.255
142.5	89.976	116.829	155.799	188.056	199.027
143.0	89.894	116.584	154.244	186.747	197.799
143.5	89.894	116.256	152.443	185.355	196.653
144.0	89.894	115.847	150.887	184.290	195.343
144.5	90.139	115.519	149.332	183.062	194.197
145.0	90.467	115.192	147.612	181.998	192.887
145.5	91.040	114.782	146.057	180.934	191.577
146.0	91.777	114.455	144.583	179.788	190.349
146.5	92.514	114.127	143.355	178.559	188.957
147.0	93.250	113.718	141.963	177.331	187.565
147.5	93.905	113.554	140.899	176.103	186.173
148.0	94.642	113.227	139.753	174.712	184.700
148.5	95.297	113.145	138.852	173.402	183.226
149.0	96.116	113.145	137.870	172.092	181.916
149.5	96.689	113.391	136.969	170.700	180.279
150.0	97.344	113.554	136.069	169.390	178.559
150.5	97.917	113.636	135.086	167.916	176.758
151.0	98.326	113.882	133.776	166.443	174.630
151.5	98.736	113.964	132.385	164.887	172.665
152.0	99.227	114.127	131.075	163.250	170.700
152.5	99.718	114.291	129.847	161.530	168.571
153.0	100.046	114.373	128.537	159.566	166.852
153.5	100.455	114.619	127.145	157.519	164.887
154.0	100.783	114.537	125.917	155.226	163.250
154.5	101.192	114.619	124.852	153.016	161.612
155.0	101.356	114.782	123.788	150.478	160.384
155.5	101.683	114.864	122.724	148.104	159.074
156.0	101.929	114.864	121.987	145.566	157.928
156.5	102.338	114.864	121.250	143.028	156.454
157.0	102.502	115.028	120.513	140.735	155.063
157.5	102.747	115.028	120.022	138.525	153.507
158.0	103.075	114.946	119.776	136.232	152.033
158.5	103.157	114.946	119.449	134.349	150.314
159.0	103.566	114.701	119.203	132.548	148.840
159.5	103.894	114.537	118.794	130.829	147.203
160.0	104.303	114.373	118.385	129.437	145.566
160.5	104.794	114.291	118.057	128.127	144.010
161.0	105.122	114.046	117.975	126.735	142.455
161.5	105.613	113.964	117.812	125.344	141.308
162.0	106.022	113.800	118.057	124.197	140.326
162.5	106.432	113.800	118.221	122.969	139.180
163.0	106.923	113.718	118.303	121.660	138.197
163.5	107.332	113.718	118.467	120.268	136.969
164.0	107.496	113.718	118.630	118.548	135.823
164.5	107.742	113.554	118.467	117.238	134.349
165.0	107.987	113.554	118.221	115.929	132.876
165.5	108.233	113.472	117.975	115.028	131.320
166.0	108.478	113.391	117.812	114.046	128.946
166.5	108.724	113.391	117.566	113.227	127.800

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

167.0	109.051	113.391	117.320	112.490	126.899
167.5	109.215	113.391	116.829	111.835	125.999
168.0	109.461	113.391	116.420	111.180	125.262
168.5	109.952	113.063	115.847	110.607	124.361
169.0	110.198	113.145	115.437	110.034	123.461
169.5	110.607	112.899	114.782	109.379	122.478
170.0	110.771	112.817	114.209	108.560	121.578
170.5	111.016	112.654	113.472	107.660	120.595
171.0	111.180	112.490	112.654	106.677	119.367
171.5	111.426	112.490	111.917	105.777	118.385
172.0	111.835	112.326	111.508	104.876	116.911
172.5	112.081	112.326	111.016	103.894	115.274
173.0	112.408	112.163	110.607	102.993	112.490
173.5	112.817	112.244	110.443	102.092	108.315
174.0	113.145	112.244	110.361	101.356	103.157
174.5	113.391	112.244	110.198	100.619	97.016
175.0	113.882	112.490	110.116	100.046	90.058
175.5	114.046	112.572	110.034	99.800	82.771
176.0	114.373	112.736	110.034	99.554	78.023
176.5	114.455	112.817	109.952	99.554	74.666
177.0	114.782	112.981	109.788	99.309	71.227
177.5	114.864	112.981	109.543	99.227	70.490
178.0	115.192	113.145	109.461	99.145	70.654
178.5	115.355	113.227	109.543	98.981	70.818
179.0	115.519	113.227	109.461	98.736	70.900
179.5	115.683	113.227	109.379	98.654	70.982
180.0	103.730	103.730	103.730	103.730	103.730



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L100-935-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	937.31	N.A.	11.70
0-30	1963.99	N.A.	24.50
0-40	3154.88	N.A.	39.40
0-60	5339.22	N.A.	66.70
0-80	6651.71	N.A.	83.10
0-90	6981.8	N.A.	87.30
10-90	6737.44	N.A.	84.20
20-40	2217.56	N.A.	27.70
20-50	3390.29	N.A.	42.40
40-70	2962.44	N.A.	37.00
60-80	1312.49	N.A.	16.40
70-80	534.40	N.A.	6.70
80-90	330.09	N.A.	4.10
90-110	385.55	N.A.	4.80
90-120	547.86	N.A.	6.80
90-130	697.24	N.A.	8.70
90-150	915.35	N.A.	11.40
90-180	1019.62	N.A.	12.70
110-180	634.07	N.A.	7.90
0-180	8001.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	244.36
10-20	692.95
20-30	1026.68
30-40	1190.89
40-50	1172.73
50-60	1011.61
60-70	778.09
70-80	534.40
80-90	330.09
90-100	211.49
100-110	174.06
110-120	162.31
120-130	149.38
130-140	125.53
140-150	92.58
150-160	60.53
160-170	33.35
170-180	10.39

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L100-935-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-L100-935-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

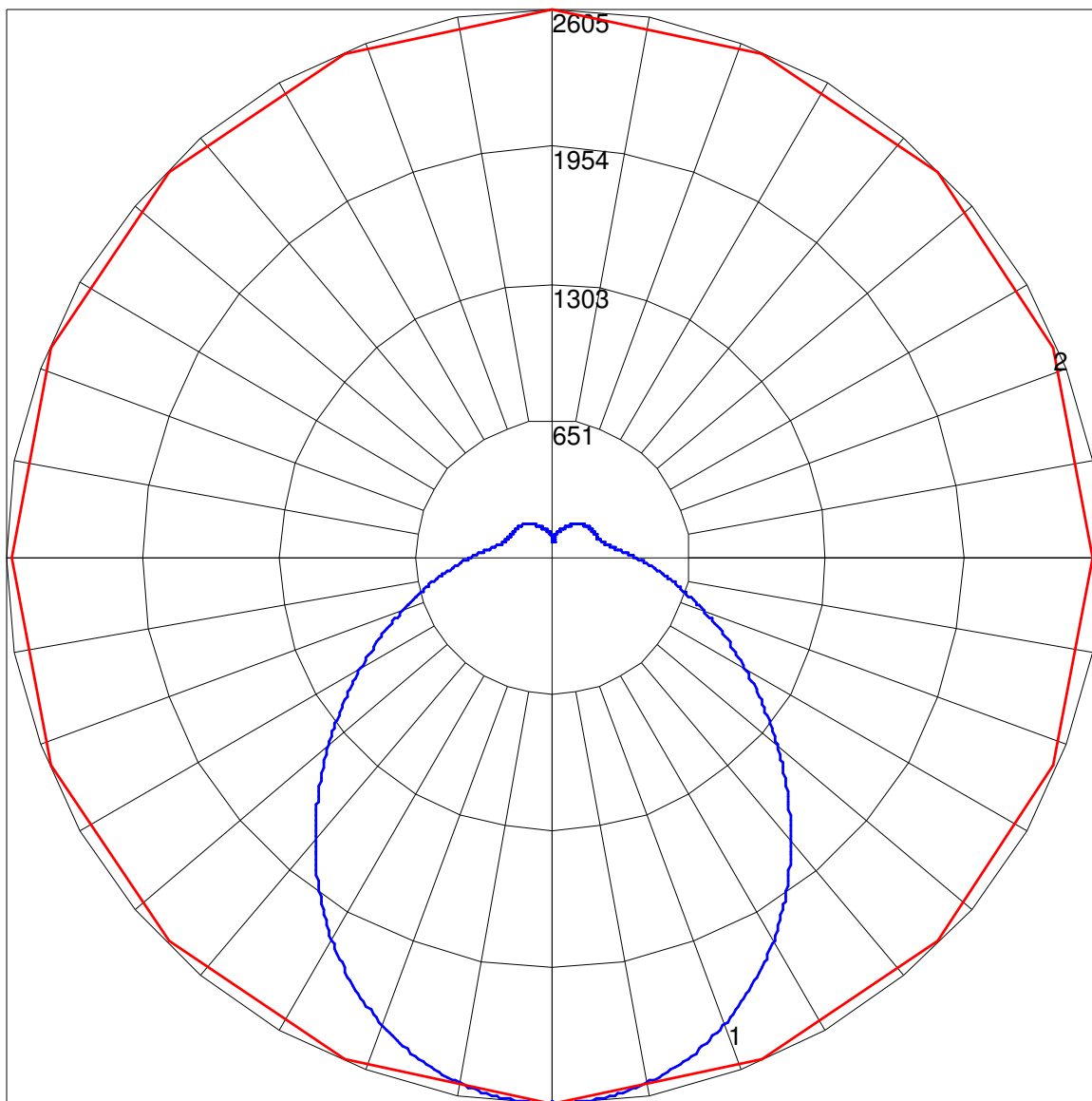
Reflectances

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	19.0	20.4	19.6	20.9	21.5	20.7	22.0	21.2	22.6	23.2
	3H	20.4	21.6	20.9	22.2	22.8	22.9	24.1	23.4	24.7	25.3
	4H	20.8	22.0	21.4	22.6	23.2	23.9	25.1	24.5	25.7	26.4
	6H	21.1	22.2	21.7	22.8	23.5	25.1	26.1	25.7	26.7	27.4
	8H	21.2	22.2	21.8	22.8	23.5	25.6	26.7	26.3	27.3	28.0
	12H	21.2	22.2	21.8	22.8	23.5	26.3	27.3	26.9	27.9	28.6
4H	2H	19.7	20.9	20.3	21.5	22.2	21.1	22.2	21.7	22.8	23.5
	3H	21.3	22.3	21.9	22.9	23.6	23.5	24.5	24.1	25.1	25.8
	4H	21.9	22.8	22.5	23.4	24.2	24.8	25.6	25.4	26.3	27.0
	6H	22.3	23.1	23.0	23.8	24.5	26.1	26.9	26.7	27.5	28.3
	8H	22.4	23.2	23.1	23.8	24.6	26.8	27.5	27.4	28.2	28.9
	12H	22.5	23.2	23.2	23.9	24.6	27.6	28.2	28.2	28.9	29.7
8H	4H	22.5	23.2	23.1	23.9	24.6	24.9	25.7	25.6	26.3	27.1
	6H	23.1	23.7	23.7	24.4	25.1	26.5	27.1	27.1	27.8	28.5
	8H	23.3	23.8	23.9	24.5	25.3	27.3	27.9	28.0	28.6	29.3
	12H	23.4	23.9	24.1	24.6	25.4	28.3	28.8	29.0	29.5	30.3
12H	4H	22.6	23.3	23.3	24.0	24.7	25.0	25.6	25.6	26.3	27.1
	6H	23.3	23.9	24.0	24.6	25.4	26.5	27.1	27.2	27.7	28.5
	8H	23.6	24.1	24.3	24.8	25.6	27.4	27.9	28.1	28.6	29.4

Maximum UGR = 30.3

POLAR GRAPH



Maximum Candela = 2605.118 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.)