

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L85-940-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-L85-940-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	6964
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	56.2
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	15281	13687	13553
55	13232	11718	11898
65	11123	10036	10603
75	8921	8767	9911
85	6543	8624	10471

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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	2253.967	2253.967	2253.967	2253.967	2253.967
0.5	2243.278	2251.829	2253.254	2252.542	2267.506
1.0	2243.278	2252.542	2252.542	2251.829	2266.794
1.5	2241.140	2252.542	2251.829	2251.116	2267.506
2.0	2240.427	2250.404	2251.829	2250.404	2265.368
2.5	2240.427	2250.404	2249.691	2249.691	2263.943
3.0	2238.289	2248.266	2248.266	2248.266	2262.518
3.5	2236.864	2246.128	2246.128	2246.841	2261.093
4.0	2235.439	2244.703	2244.703	2243.990	2259.668
4.5	2231.876	2242.565	2243.278	2242.565	2257.530
5.0	2229.738	2240.427	2240.427	2240.427	2255.392
5.5	2226.888	2237.577	2237.577	2238.289	2252.542
6.0	2225.463	2234.014	2234.726	2234.726	2249.691
6.5	2220.474	2231.163	2231.876	2231.876	2246.128
7.0	2217.624	2227.600	2228.313	2227.600	2243.278
7.5	2214.774	2223.325	2224.750	2224.750	2239.715
8.0	2211.211	2220.474	2220.474	2220.474	2234.726
8.5	2207.648	2215.486	2216.911	2216.911	2230.451
9.0	2201.947	2211.923	2212.636	2211.923	2225.463
9.5	2198.384	2206.935	2206.935	2206.935	2222.612
10.0	2192.683	2201.234	2201.234	2202.659	2216.911
10.5	2187.695	2196.246	2196.958	2196.958	2211.923
11.0	2182.706	2191.258	2191.970	2191.258	2206.222
11.5	2176.293	2185.557	2186.982	2185.557	2201.234
12.0	2170.592	2179.143	2180.569	2180.569	2194.821
12.5	2164.891	2172.730	2174.868	2173.443	2189.120
13.0	2158.478	2167.029	2168.454	2167.742	2182.706
13.5	2152.064	2159.903	2161.328	2161.328	2177.006
14.0	2144.226	2152.777	2154.202	2154.202	2169.167
14.5	2137.812	2145.651	2147.076	2147.076	2163.466
15.0	2131.399	2138.525	2139.238	2139.238	2154.915
15.5	2123.560	2129.974	2132.111	2132.111	2146.364
16.0	2115.009	2122.135	2124.273	2124.273	2139.238
16.5	2107.883	2113.584	2115.722	2116.434	2131.399
17.0	2097.906	2104.320	2107.170	2107.883	2122.848
17.5	2089.355	2095.769	2098.619	2099.332	2114.296
18.0	2081.517	2087.217	2089.355	2091.493	2106.458
18.5	2072.253	2078.666	2080.804	2082.229	2097.194
19.0	2062.989	2067.977	2071.540	2072.965	2087.217
19.5	2052.300	2059.426	2062.276	2065.127	2077.954
20.0	2040.898	2048.737	2052.300	2054.438	2067.977
20.5	2029.496	2039.473	2042.323	2045.174	2058.713
21.0	2020.233	2028.071	2030.209	2035.910	2048.737
21.5	2009.544	2017.382	2020.945	2023.796	2038.048
22.0	1998.142	2007.406	2010.969	2013.819	2028.784
22.5	1988.165	1994.579	1999.567	2003.843	2018.095
23.0	1976.051	1983.177	1988.165	1992.441	2006.693
23.5	1963.224	1971.063	1977.476	1981.752	1996.004
24.0	1950.397	1958.949	1965.362	1970.350	1984.602
24.5	1939.708	1946.834	1953.960	1958.236	1971.776
25.0	1927.594	1934.720	1942.559	1946.834	1960.374
25.5	1914.055	1922.606	1929.019	1935.433	1946.834
26.0	1901.228	1909.066	1917.618	1923.318	1936.145
26.5	1887.688	1895.527	1905.503	1910.492	1924.031

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**CANDELA TABULATION - (Cont.)**

27.0	1874.149	1881.275	1893.389	1899.803	1911.917
27.5	1858.472	1867.735	1879.850	1885.550	1899.803
28.0	1847.070	1854.196	1866.310	1872.724	1886.263
28.5	1832.105	1840.656	1852.771	1859.184	1872.724
29.0	1817.853	1826.404	1838.519	1846.357	1859.897
29.5	1802.888	1811.440	1824.267	1832.105	1845.645
30.0	1787.924	1797.188	1810.014	1819.991	1833.530
30.5	1772.246	1781.510	1796.475	1806.451	1819.278
31.0	1757.282	1766.546	1781.510	1792.199	1804.314
31.5	1741.604	1752.293	1767.258	1778.660	1791.487
32.0	1726.640	1735.904	1753.006	1763.695	1776.522
32.5	1710.250	1720.226	1738.041	1749.443	1762.270
33.0	1694.573	1705.262	1721.652	1735.191	1748.018
33.5	1679.608	1689.584	1707.399	1719.514	1733.053
34.0	1661.793	1673.194	1691.722	1705.262	1719.514
34.5	1645.403	1657.517	1676.757	1689.584	1703.836
35.0	1630.438	1640.415	1661.793	1675.332	1688.872
35.5	1611.198	1624.737	1645.403	1659.655	1673.194
36.0	1596.233	1607.635	1629.726	1643.978	1658.230
36.5	1577.705	1590.532	1613.336	1629.013	1643.978
37.0	1560.603	1574.142	1596.946	1612.623	1629.013
37.5	1542.788	1556.327	1581.269	1598.371	1612.623
38.0	1524.973	1539.225	1564.166	1581.981	1595.521
38.5	1506.445	1521.410	1547.776	1567.016	1579.843
39.0	1490.055	1503.595	1530.674	1550.627	1567.016
39.5	1471.527	1487.205	1514.284	1534.237	1549.914
40.0	1451.575	1468.677	1497.181	1519.272	1533.524
40.5	1433.047	1450.862	1480.791	1503.595	1517.847
41.0	1415.944	1433.047	1463.689	1487.205	1501.457
41.5	1397.417	1415.232	1446.586	1470.815	1485.780
42.0	1378.889	1397.417	1429.484	1455.138	1470.102
42.5	1361.074	1378.889	1411.669	1438.748	1453.712
43.0	1341.121	1361.074	1395.279	1423.070	1438.035
43.5	1324.018	1342.546	1377.464	1406.681	1422.358
44.0	1304.778	1324.018	1359.649	1391.003	1405.968
44.5	1286.963	1306.203	1341.834	1373.901	1389.578
45.0	1268.435	1287.676	1324.731	1358.936	1374.613
45.5	1249.908	1269.861	1307.629	1343.259	1358.936
46.0	1231.380	1251.333	1289.101	1326.156	1342.546
46.5	1212.852	1232.805	1273.424	1311.904	1326.869
47.0	1193.612	1214.990	1255.608	1294.802	1311.192
47.5	1175.084	1196.462	1237.793	1278.412	1294.802
48.0	1157.269	1177.935	1219.978	1263.447	1278.412
48.5	1137.316	1160.119	1203.588	1246.345	1262.734
49.0	1119.501	1140.879	1185.061	1229.955	1246.345
49.5	1100.973	1123.064	1167.958	1214.277	1230.667
50.0	1081.733	1104.536	1150.856	1197.175	1214.277
50.5	1063.918	1086.721	1133.041	1182.923	1199.313
51.0	1045.390	1068.194	1117.363	1166.533	1183.635
51.5	1027.575	1049.666	1099.548	1150.856	1167.958
52.0	1008.335	1031.851	1082.446	1134.466	1152.281
52.5	989.807	1013.323	1066.056	1118.076	1137.316
53.0	970.567	995.508	1048.953	1103.824	1120.926
53.5	952.039	977.693	1032.563	1087.434	1105.962
54.0	934.224	959.878	1016.173	1071.757	1090.997
54.5	917.121	941.350	999.784	1057.504	1076.032

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L85-940-DIM-UNV\_.IES**

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55.0	899.306	924.248	983.394	1041.115	1062.493
55.5	884.342	906.432	967.004	1026.150	1046.103
56.0	867.239	890.755	951.326	1011.185	1031.138
56.5	849.424	874.365	934.937	996.221	1016.886
57.0	832.322	857.975	919.259	981.256	1001.921
57.5	814.506	840.873	905.720	967.004	985.531
58.0	796.691	823.770	890.043	951.326	973.417
58.5	779.589	806.668	874.365	937.787	959.165
59.0	762.486	789.565	859.401	925.673	944.200
59.5	745.384	773.175	845.861	910.708	932.799
60.0	728.281	756.073	830.896	896.456	918.547
60.5	711.535	739.683	815.932	882.916	904.295
61.0	694.718	723.293	800.967	869.377	890.755
61.5	678.043	707.046	786.002	855.838	877.928
62.0	661.653	690.941	771.750	843.011	864.389
62.5	645.477	674.979	756.786	830.184	851.562
63.0	629.087	659.088	742.533	816.644	840.160
63.5	612.840	643.410	728.994	803.817	827.333
64.0	597.020	627.947	714.742	790.278	814.506
64.5	581.271	612.840	701.202	777.451	801.680
65.0	565.665	597.661	687.592	764.624	789.565
65.5	550.273	582.839	674.123	751.797	776.738
66.0	534.667	568.017	660.798	738.970	764.624
66.5	519.417	553.551	647.543	726.856	752.510
67.0	504.524	539.228	634.360	714.029	740.396
67.5	489.559	525.118	621.462	702.058	728.281
68.0	474.808	511.365	608.635	689.943	716.880
68.5	460.271	497.683	596.093	678.185	704.979
69.0	445.805	484.143	583.694	666.356	693.720
69.5	431.553	470.889	571.437	654.883	682.532
70.0	417.372	457.848	559.394	643.624	671.416
70.5	403.548	444.950	547.351	632.365	660.441
71.0	389.866	432.194	535.522	621.248	649.610
71.5	376.326	419.724	523.978	610.417	638.921
72.0	363.072	407.182	512.434	599.656	628.517
72.5	349.746	395.068	501.174	589.110	618.184
73.0	336.777	383.025	489.987	578.706	607.780
73.5	324.164	371.124	479.155	568.373	597.661
74.0	311.693	359.580	468.181	558.397	587.471
74.5	299.436	347.965	457.706	548.491	577.851
75.0	287.251	336.634	447.302	538.800	568.516
75.5	275.279	325.589	437.040	529.180	559.038
76.0	263.664	314.757	427.064	519.631	549.774
76.5	252.119	304.068	417.158	510.296	540.510
77.0	240.718	293.450	407.396	501.032	531.531
77.5	229.530	283.118	397.776	492.053	522.624
78.0	218.484	272.999	388.440	483.217	513.859
78.5	207.653	263.022	379.177	474.309	505.165
79.0	197.035	253.331	370.198	465.687	496.614
79.5	186.488	243.711	361.362	457.278	488.063
80.0	176.084	234.233	352.525	448.941	479.939
80.5	165.965	225.040	343.974	440.532	471.673
81.0	156.132	215.990	335.779	432.408	463.620
81.5	146.155	207.154	327.584	424.356	455.568
82.0	136.535	198.532	319.603	416.588	447.800
82.5	127.129	190.052	311.764	408.821	440.176

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L85-940-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

83.0	117.865	181.785	304.068	401.339	432.764
83.5	108.672	173.733	296.728	393.714	425.068
84.0	99.693	165.894	289.602	386.516	417.729
84.5	90.786	158.341	282.619	379.390	410.531
85.0	82.235	151.001	275.778	372.336	403.334
85.5	73.683	144.017	269.079	365.495	396.350
86.0	65.275	137.319	262.523	358.796	389.438
86.5	56.937	131.048	256.324	352.098	382.526
87.0	48.742	124.991	250.053	345.756	375.756
87.5	40.547	119.361	244.138	339.342	369.271
88.0	32.423	113.874	238.295	333.142	362.715
88.5	24.229	108.743	232.665	327.014	356.373
89.0	16.746	103.898	227.321	321.099	350.102
89.5	10.618	99.408	222.119	315.399	343.974
90.0	6.342	95.418	217.344	309.983	338.344
90.5	4.489	91.926	212.926	304.567	332.359
91.0	4.774	88.719	208.437	299.080	326.658
91.5	5.701	85.655	203.947	293.878	320.957
92.0	6.770	83.090	199.672	288.605	315.399
92.5	7.910	80.881	196.037	283.545	309.912
93.0	9.050	78.957	192.261	278.771	304.638
93.5	10.261	77.460	188.698	274.068	299.650
94.0	11.544	76.177	185.348	269.649	294.804
94.5	12.756	75.251	182.213	265.160	289.816
95.0	13.967	74.538	179.291	260.742	285.042
95.5	15.107	74.040	176.583	256.537	280.338
96.0	16.034	73.826	174.232	252.476	275.707
96.5	16.960	73.826	171.880	248.699	271.431
97.0	17.815	73.897	169.742	245.065	267.155
97.5	18.741	74.182	167.747	241.573	263.236
98.0	19.525	74.467	165.965	238.152	259.245
98.5	20.452	74.823	164.469	234.874	255.540
99.0	21.378	75.251	162.901	231.810	251.906
99.5	22.376	75.750	161.547	228.888	248.343
100.0	23.231	76.249	160.478	226.181	245.136
100.5	24.229	76.819	159.410	223.544	241.858
101.0	25.084	77.389	158.626	221.050	238.936
101.5	25.939	77.959	157.842	218.698	235.943
102.0	26.723	78.529	157.272	216.489	233.307
102.5	27.507	79.099	156.702	214.423	230.670
103.0	28.290	79.740	156.274	212.356	228.318
103.5	29.146	80.382	155.918	210.575	225.896
104.0	30.072	80.952	155.561	208.936	223.686
104.5	30.998	81.593	155.348	207.368	221.620
105.0	31.853	82.235	155.134	205.943	219.625
105.5	32.637	82.805	154.920	204.446	217.914
106.0	33.564	83.517	154.849	203.163	216.204
106.5	34.419	84.159	154.849	201.952	214.494
107.0	35.274	84.871	154.849	200.812	213.069
107.5	36.058	85.441	154.849	199.957	211.572
108.0	37.055	86.154	154.849	198.959	210.076
108.5	37.982	86.866	154.920	198.246	209.078
109.0	38.908	87.437	155.063	197.320	208.080
109.5	39.906	88.078	155.134	196.679	207.011
110.0	40.903	88.719	155.276	195.966	206.156
110.5	41.901	89.361	155.419	195.325	205.373

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**PHOTOMETRIC FILENAME : 75W-4-L85-940-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

111.0	42.899	90.002	155.490	194.755	204.517
111.5	43.896	90.572	155.561	194.327	203.805
112.0	44.965	91.213	155.704	193.900	202.950
112.5	46.034	91.855	155.847	193.401	202.166
113.0	47.174	92.496	156.060	193.044	201.809
113.5	48.243	93.066	156.060	192.688	201.311
114.0	49.383	93.636	156.203	192.403	200.812
114.5	50.452	94.278	156.345	192.047	200.384
115.0	51.593	94.776	156.488	191.833	200.028
115.5	52.733	95.418	156.488	191.619	199.672
116.0	53.802	95.988	156.702	191.334	199.244
116.5	54.799	96.558	156.844	191.049	199.102
117.0	55.939	97.199	156.987	191.049	198.745
117.5	57.008	97.698	157.129	190.764	198.532
118.0	57.935	98.197	157.272	190.622	198.246
118.5	59.004	98.696	157.343	190.408	198.175
119.0	59.930	99.194	157.486	190.194	197.748
119.5	60.928	99.551	157.628	189.980	197.676
120.0	61.854	99.907	157.557	189.838	197.320
120.5	62.780	100.335	157.628	189.553	197.249
121.0	63.707	100.620	157.771	189.339	196.964
121.5	64.704	100.976	157.699	189.054	196.821
122.0	65.631	101.404	157.699	188.911	196.607
122.5	66.557	101.831	157.771	188.626	196.109
123.0	67.484	102.259	157.699	188.341	196.037
123.5	68.339	102.615	157.557	188.127	195.610
124.0	69.051	102.900	157.557	187.914	195.539
124.5	69.764	103.185	157.557	187.557	195.254
125.0	70.477	103.541	157.414	187.201	194.968
125.5	71.189	103.755	157.272	186.987	194.612
126.0	71.830	104.040	157.200	186.560	194.327
126.5	72.401	104.397	157.058	186.275	194.113
127.0	73.042	104.539	156.915	185.918	193.828
127.5	73.541	104.753	156.702	185.562	193.329
128.0	74.182	104.753	156.630	185.135	193.044
128.5	74.681	104.895	156.345	184.778	192.759
129.0	75.180	105.038	156.060	184.422	192.403
129.5	75.607	105.252	155.561	183.852	191.976
130.0	75.964	105.394	155.063	183.496	191.548
130.5	76.320	105.537	154.493	183.068	191.049
131.0	76.534	105.750	153.922	182.427	190.550
131.5	76.819	105.964	153.352	181.857	190.052
132.0	77.104	106.178	152.711	181.500	189.624
132.5	77.246	106.249	151.998	180.788	188.983
133.0	77.460	106.321	151.713	180.146	188.199
133.5	77.531	106.249	151.286	179.647	187.842
134.0	77.603	106.107	151.001	179.077	187.344
134.5	77.816	105.822	150.645	178.436	186.417
135.0	78.030	105.608	150.217	177.581	185.705
135.5	77.959	105.038	149.861	177.011	185.135
136.0	78.101	104.967	149.362	176.298	184.422
136.5	78.244	104.753	149.006	175.514	183.709
137.0	78.315	104.397	148.435	174.873	182.925
137.5	78.386	104.040	147.937	174.018	182.213
138.0	78.529	103.826	147.224	173.305	181.358
138.5	78.529	103.541	146.298	172.521	180.716

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L85-940-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

139.0	78.458	103.328	145.229	171.595	179.719
139.5	78.458	103.043	143.946	170.597	179.006
140.0	78.458	102.686	142.521	169.671	178.009
140.5	78.458	102.472	141.238	168.531	176.940
141.0	78.458	102.330	139.813	167.319	176.084
141.5	78.458	102.045	138.388	166.251	175.229
142.0	78.386	101.902	137.034	164.897	174.303
142.5	78.315	101.689	135.609	163.685	173.234
143.0	78.244	101.475	134.255	162.545	172.165
143.5	78.244	101.190	132.687	161.334	171.168
144.0	78.244	100.833	131.333	160.407	170.027
144.5	78.458	100.548	129.979	159.338	169.030
145.0	78.743	100.263	128.483	158.412	167.890
145.5	79.242	99.907	127.129	157.486	166.749
146.0	79.883	99.622	125.846	156.488	165.680
146.5	80.524	99.337	124.777	155.419	164.469
147.0	81.166	98.981	123.566	154.350	163.258
147.5	81.736	98.838	122.639	153.281	162.046
148.0	82.377	98.553	121.642	152.070	160.763
148.5	82.947	98.482	120.858	150.930	159.481
149.0	83.660	98.482	120.003	149.789	158.341
149.5	84.159	98.696	119.219	148.578	156.915
150.0	84.729	98.838	118.435	147.438	155.419
150.5	85.227	98.909	117.580	146.155	153.851
151.0	85.584	99.123	116.440	144.872	151.998
151.5	85.940	99.194	115.228	143.518	150.288
152.0	86.368	99.337	114.088	142.093	148.578
152.5	86.795	99.480	113.019	140.597	146.725
153.0	87.080	99.551	111.879	138.887	145.229
153.5	87.437	99.765	110.667	137.105	143.518
154.0	87.722	99.693	109.599	135.110	142.093
154.5	88.078	99.765	108.672	133.186	140.668
155.0	88.220	99.907	107.746	130.977	139.599
155.5	88.505	99.978	106.819	128.910	138.459
156.0	88.719	99.978	106.178	126.701	137.461
156.5	89.076	99.978	105.537	124.492	136.179
157.0	89.218	100.121	104.895	122.497	134.967
157.5	89.432	100.121	104.468	120.573	133.613
158.0	89.717	100.050	104.254	118.577	132.331
158.5	89.788	100.050	103.969	116.938	130.834
159.0	90.144	99.836	103.755	115.371	129.551
159.5	90.429	99.693	103.399	113.874	128.126
160.0	90.786	99.551	103.043	112.663	126.701
160.5	91.213	99.480	102.758	111.523	125.347
161.0	91.498	99.266	102.686	110.311	123.993
161.5	91.926	99.194	102.544	109.100	122.995
162.0	92.282	99.052	102.758	108.102	122.140
162.5	92.639	99.052	102.900	107.033	121.143
163.0	93.066	98.981	102.971	105.893	120.288
163.5	93.422	98.981	103.114	104.682	119.219
164.0	93.565	98.981	103.256	103.185	118.221
164.5	93.779	98.838	103.114	102.045	116.938
165.0	93.992	98.838	102.900	100.905	115.656
165.5	94.206	98.767	102.686	100.121	114.302
166.0	94.420	98.696	102.544	99.266	112.235
166.5	94.634	98.696	102.330	98.553	111.238

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L85-940-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

167.0	94.919	98.696	102.116	97.912	110.454
167.5	95.061	98.696	101.689	97.342	109.670
168.0	95.275	98.696	101.332	96.772	109.028
168.5	95.703	98.411	100.833	96.273	108.245
169.0	95.917	98.482	100.477	95.774	107.461
169.5	96.273	98.268	99.907	95.204	106.606
170.0	96.415	98.197	99.408	94.491	105.822
170.5	96.629	98.054	98.767	93.707	104.967
171.0	96.772	97.912	98.054	92.852	103.898
171.5	96.985	97.912	97.413	92.068	103.043
172.0	97.342	97.769	97.057	91.285	101.760
172.5	97.556	97.769	96.629	90.429	100.335
173.0	97.841	97.627	96.273	89.646	97.912
173.5	98.197	97.698	96.130	88.862	94.278
174.0	98.482	97.698	96.059	88.220	89.788
174.5	98.696	97.698	95.917	87.579	84.444
175.0	99.123	97.912	95.845	87.080	78.386
175.5	99.266	97.983	95.774	86.866	72.044
176.0	99.551	98.126	95.774	86.653	67.911
176.5	99.622	98.197	95.703	86.653	64.989
177.0	99.907	98.339	95.560	86.439	61.997
177.5	99.978	98.339	95.346	86.368	61.355
178.0	100.263	98.482	95.275	86.296	61.498
178.5	100.406	98.553	95.346	86.154	61.640
179.0	100.548	98.553	95.275	85.940	61.712
179.5	100.691	98.553	95.204	85.869	61.783
180.0	90.287	90.287	90.287	90.287	90.287



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L85-940-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	815.84	N.A.	11.70
0-30	1709.46	N.A.	24.50
0-40	2746.02	N.A.	39.40
0-60	4647.28	N.A.	66.70
0-80	5789.68	N.A.	83.10
0-90	6076.99	N.A.	87.30
10-90	5864.3	N.A.	84.20
20-40	1930.18	N.A.	27.70
20-50	2950.93	N.A.	42.40
40-70	2578.52	N.A.	37.00
60-80	1142.4	N.A.	16.40
70-80	465.14	N.A.	6.70
80-90	287.31	N.A.	4.10
90-110	335.58	N.A.	4.80
90-120	476.86	N.A.	6.80
90-130	606.88	N.A.	8.70
90-150	796.72	N.A.	11.40
90-180	887.48	N.A.	12.70
110-180	551.90	N.A.	7.90
0-180	6964.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	212.69
10-20	603.15
20-30	893.62
30-40	1036.55
40-50	1020.75
50-60	880.51
60-70	677.26
70-80	465.14
80-90	287.31
90-100	184.08
100-110	151.50
110-120	141.28
120-130	130.02
130-140	109.26
140-150	80.58
150-160	52.68
160-170	29.03
170-180	9.04

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L85-940-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-L85-940-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

X=2H	Y=2H	18.5	19.9	19.1	20.4	21.0	UGR Viewed Endwise			
	3H	19.9	21.1	20.4	21.7	22.3	20.2	21.5	20.7	22.1
	4H	20.3	21.5	20.9	22.1	22.7	22.4	23.6	22.9	24.2
	6H	20.6	21.7	21.2	22.3	23.0	23.4	24.6	24.0	25.2
	8H	20.7	21.7	21.3	22.3	23.0	24.6	25.6	25.2	26.2
	12H	20.7	21.7	21.3	22.3	23.0	25.1	26.2	25.8	26.8
							25.8	26.8	26.4	27.4

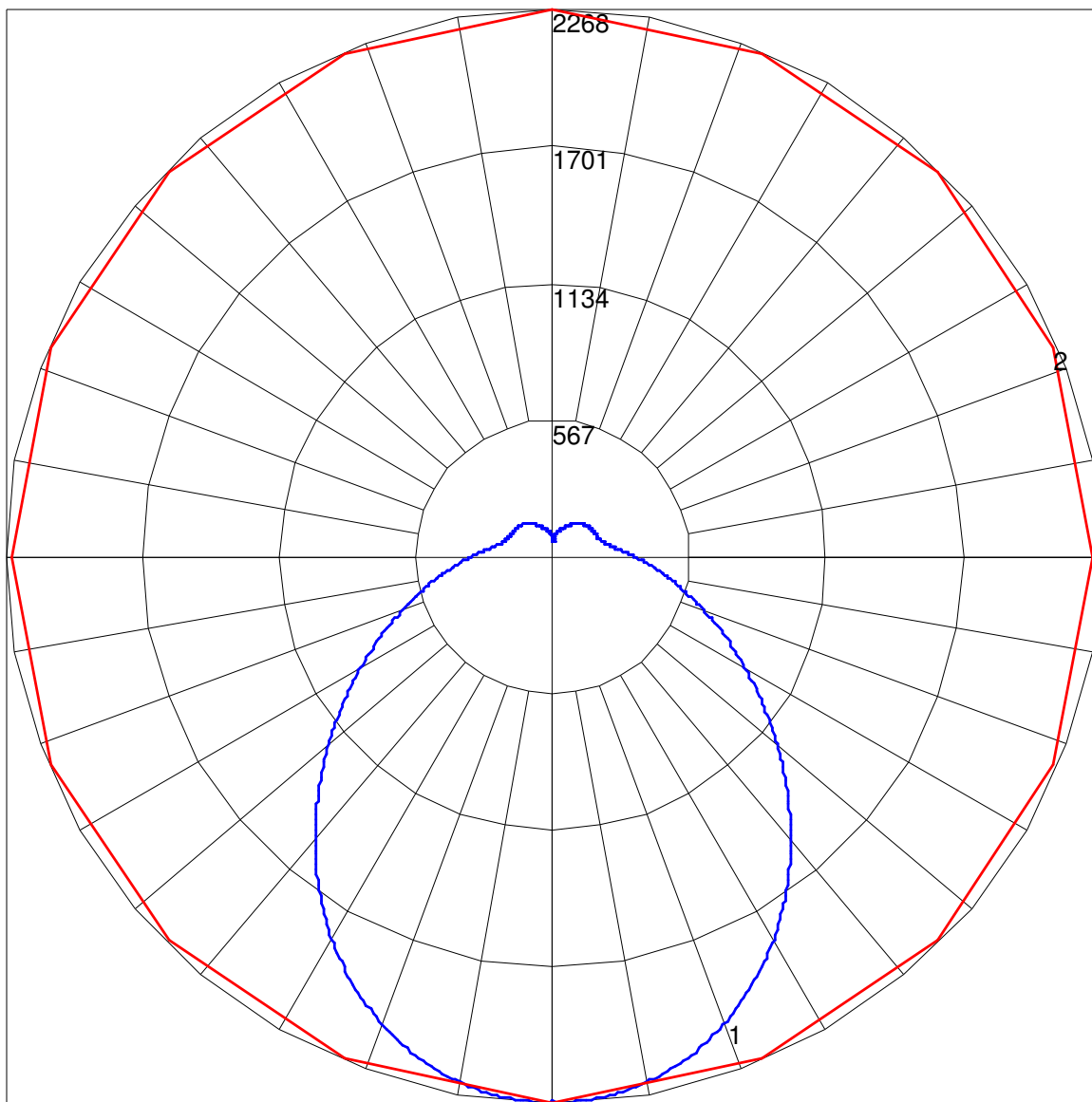
4H	2H	19.2	20.4	19.8	21.0	21.7	20.6	21.7	21.2	22.3
	3H	20.8	21.8	21.4	22.4	23.1	23.0	24.0	23.6	24.6
	4H	21.4	22.3	22.0	22.9	23.7	24.3	25.1	24.9	25.8
	6H	21.8	22.6	22.5	23.3	24.0	25.6	26.4	26.2	27.0
	8H	21.9	22.7	22.6	23.3	24.1	26.3	27.0	26.9	27.7
	12H	22.0	22.7	22.7	23.4	24.1	26.3	27.0	26.9	27.7
							27.1	27.7	27.7	28.4

8H	4H	22.0	22.7	22.6	23.4	24.1	24.4	25.2	25.1	25.8
	6H	22.6	23.2	23.2	23.9	24.6	26.0	26.6	26.6	27.3
	8H	22.8	23.3	23.4	24.0	24.8	26.8	27.4	27.5	28.1
	12H	22.9	23.4	23.6	24.1	24.9	26.8	27.4	27.5	28.1
							27.8	28.3	28.5	29.0

12H	4H	22.1	22.8	22.8	23.5	24.2	24.4	25.1	25.1	25.8
	6H	22.8	23.4	23.5	24.1	24.9	26.0	26.6	26.7	27.2
	8H	23.1	23.6	23.8	24.3	25.1	26.9	27.4	27.6	28.1
										28.9

Maximum UGR = 29.8

POLAR GRAPH



Maximum Candela = 2267.506 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.)