

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L85-935-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-L85-935-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	6722
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
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	14748	13210	13080
55	12771	11309	11483
65	10735	9686	10234
75	8610	8461	9565
85	6315	8323	10106

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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	2175.340	2175.340	2175.340	2175.340	2175.340
0.5	2165.024	2173.277	2174.652	2173.965	2188.407
1.0	2165.024	2173.965	2173.965	2173.277	2187.719
1.5	2162.961	2173.965	2173.277	2172.589	2188.407
2.0	2162.273	2171.901	2173.277	2171.901	2186.344
2.5	2162.273	2171.901	2171.214	2171.214	2184.968
3.0	2160.210	2169.838	2169.838	2169.838	2183.593
3.5	2158.834	2167.775	2167.775	2168.463	2182.217
4.0	2157.459	2166.399	2166.399	2165.712	2180.842
4.5	2154.020	2164.336	2165.024	2164.336	2178.779
5.0	2151.957	2162.273	2162.273	2162.273	2176.715
5.5	2149.206	2159.522	2159.522	2160.210	2173.965
6.0	2147.830	2156.083	2156.771	2156.771	2171.214
6.5	2143.016	2153.332	2154.020	2154.020	2167.775
7.0	2140.265	2149.893	2150.581	2149.893	2165.024
7.5	2137.514	2145.767	2147.142	2147.142	2161.585
8.0	2134.075	2143.016	2143.016	2143.016	2156.771
8.5	2130.637	2138.202	2139.577	2139.577	2152.644
9.0	2125.135	2134.763	2135.451	2134.763	2147.830
9.5	2121.696	2129.949	2129.949	2129.949	2145.079
10.0	2116.194	2124.447	2124.447	2125.822	2139.577
10.5	2111.380	2119.633	2120.320	2120.320	2134.763
11.0	2106.565	2114.818	2115.506	2114.818	2129.261
11.5	2100.376	2109.316	2110.692	2109.316	2124.447
12.0	2094.874	2103.127	2104.502	2104.502	2118.257
12.5	2089.372	2096.937	2099.000	2097.625	2112.755
13.0	2083.182	2091.435	2092.810	2092.123	2106.565
13.5	2076.992	2084.558	2085.933	2085.933	2101.063
14.0	2069.427	2077.680	2079.056	2079.056	2093.498
14.5	2063.237	2070.803	2072.178	2072.178	2087.996
15.0	2057.048	2063.925	2064.613	2064.613	2079.743
15.5	2049.483	2055.672	2057.735	2057.735	2071.490
16.0	2041.230	2048.107	2050.170	2050.170	2064.613
16.5	2034.352	2039.854	2041.917	2042.605	2057.048
17.0	2024.724	2030.913	2033.664	2034.352	2048.795
17.5	2016.471	2022.660	2025.411	2026.099	2040.542
18.0	2008.906	2014.407	2016.471	2018.534	2032.977
18.5	1999.965	2006.155	2008.218	2009.593	2024.036
19.0	1991.024	1995.838	1999.277	2000.653	2014.407
19.5	1980.708	1987.585	1990.336	1993.087	2005.467
20.0	1969.704	1977.269	1980.708	1982.771	1995.838
20.5	1958.700	1968.329	1971.079	1973.830	1986.898
21.0	1949.759	1957.325	1959.388	1964.890	1977.269
21.5	1939.443	1947.008	1950.447	1953.198	1966.953
22.0	1928.439	1937.380	1940.819	1943.570	1958.012
22.5	1918.811	1925.001	1929.815	1933.941	1947.696
23.0	1907.119	1913.997	1918.811	1922.937	1936.692
23.5	1894.740	1902.305	1908.495	1912.621	1926.376
24.0	1882.360	1890.613	1896.803	1901.617	1915.372
24.5	1872.044	1878.922	1885.799	1889.925	1902.993
25.0	1860.352	1867.230	1874.795	1878.922	1891.989
25.5	1847.285	1855.538	1861.728	1867.918	1878.922
26.0	1834.906	1842.471	1850.724	1856.226	1868.605
26.5	1821.839	1829.404	1839.032	1843.847	1856.914

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27.0	1808.771	1815.649	1827.341	1833.530	1845.222
27.5	1793.641	1802.582	1814.273	1819.775	1833.530
28.0	1782.637	1789.515	1801.206	1807.396	1820.463
28.5	1768.194	1776.447	1788.139	1794.329	1807.396
29.0	1754.440	1762.693	1774.384	1781.949	1795.017
29.5	1739.997	1748.250	1760.629	1768.194	1781.262
30.0	1725.554	1734.495	1746.874	1756.503	1769.570
30.5	1710.424	1719.365	1733.807	1743.436	1755.815
31.0	1695.981	1704.922	1719.365	1729.681	1741.372
31.5	1680.851	1691.167	1705.610	1716.614	1728.993
32.0	1666.408	1675.349	1691.855	1702.171	1714.550
32.5	1650.590	1660.218	1677.412	1688.416	1700.795
33.0	1635.460	1645.776	1661.594	1674.661	1687.040
33.5	1621.017	1630.645	1647.839	1659.531	1672.598
34.0	1603.823	1614.827	1632.709	1645.776	1659.531
34.5	1588.005	1599.697	1618.266	1630.645	1644.400
35.0	1573.562	1583.191	1603.823	1616.890	1629.958
35.5	1554.993	1568.060	1588.005	1601.760	1614.827
36.0	1540.551	1551.555	1572.875	1586.630	1600.384
36.5	1522.669	1535.049	1557.057	1572.187	1586.630
37.0	1506.163	1519.230	1541.238	1556.369	1572.187
37.5	1488.970	1502.037	1526.108	1542.614	1556.369
38.0	1471.776	1485.531	1509.602	1526.796	1539.863
38.5	1453.895	1468.337	1493.784	1512.353	1524.732
39.0	1438.076	1451.144	1477.278	1496.535	1512.353
39.5	1420.195	1435.326	1461.460	1480.717	1495.847
40.0	1400.938	1417.444	1444.954	1466.274	1480.029
40.5	1383.057	1400.250	1429.136	1451.144	1464.899
41.0	1366.551	1383.057	1412.630	1435.326	1449.080
41.5	1348.670	1365.863	1396.124	1419.507	1433.950
42.0	1330.788	1348.670	1379.618	1404.377	1418.820
42.5	1313.594	1330.788	1362.424	1388.559	1403.001
43.0	1294.338	1313.594	1346.606	1373.428	1387.871
43.5	1277.832	1295.713	1329.413	1357.610	1372.741
44.0	1259.263	1277.832	1312.219	1342.480	1356.922
44.5	1242.069	1260.638	1295.025	1325.974	1341.104
45.0	1224.188	1242.757	1278.519	1311.531	1326.662
45.5	1206.306	1225.563	1262.014	1296.401	1311.531
46.0	1188.425	1207.682	1244.132	1279.895	1295.713
46.5	1170.543	1189.800	1229.002	1266.140	1280.583
47.0	1151.974	1172.607	1211.808	1249.634	1265.452
47.5	1134.093	1154.725	1194.614	1233.816	1249.634
48.0	1116.899	1136.844	1177.421	1219.373	1233.816
48.5	1097.642	1119.650	1161.603	1202.867	1218.686
49.0	1080.449	1101.081	1143.721	1187.049	1202.867
49.5	1062.567	1083.887	1127.215	1171.919	1187.737
50.0	1043.998	1066.006	1110.709	1155.413	1171.919
50.5	1026.804	1048.812	1093.516	1141.658	1157.476
51.0	1008.923	1030.931	1078.385	1125.840	1142.346
51.5	991.729	1013.050	1061.192	1110.709	1127.215
52.0	973.160	995.856	1044.686	1094.891	1112.085
52.5	955.279	977.975	1028.868	1079.073	1097.642
53.0	936.710	960.781	1012.362	1065.318	1081.824
53.5	918.828	943.587	996.544	1049.500	1067.381
54.0	901.635	926.394	980.726	1034.370	1052.939
54.5	885.129	908.512	964.907	1020.615	1038.496

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55.0	867.935	892.006	949.089	1004.797	1025.429
55.5	853.493	874.813	933.271	990.354	1009.611
56.0	836.987	859.682	918.141	975.911	995.168
56.5	819.793	843.864	902.323	961.469	981.413
57.0	803.287	828.046	887.192	947.026	966.971
57.5	786.093	811.540	874.125	933.271	951.152
58.0	768.900	795.034	858.995	918.141	939.461
58.5	752.394	778.528	843.864	905.073	925.706
59.0	735.888	762.022	829.421	893.382	911.263
59.5	719.382	746.204	816.354	878.939	900.259
60.0	702.876	729.698	801.912	865.184	886.504
60.5	686.714	713.880	787.469	852.117	872.749
61.0	670.483	698.062	773.026	839.050	859.682
61.5	654.390	682.381	758.584	825.983	847.303
62.0	638.572	666.838	744.829	813.603	834.236
62.5	622.960	651.433	730.386	801.224	821.856
63.0	607.142	636.096	716.631	788.157	810.852
63.5	591.461	620.966	703.564	775.777	798.473
64.0	576.193	606.042	689.809	762.710	786.093
64.5	560.994	591.461	676.742	750.331	773.714
65.0	545.933	576.812	663.606	737.951	762.022
65.5	531.077	562.507	650.608	725.572	749.643
66.0	516.016	548.202	637.747	713.192	737.951
66.5	501.298	534.241	624.955	701.501	726.260
67.0	486.924	520.417	612.231	689.121	714.568
67.5	472.481	506.800	599.783	677.567	702.876
68.0	458.245	493.526	587.404	665.875	691.872
68.5	444.215	480.322	575.299	654.528	680.387
69.0	430.254	467.255	563.333	643.111	669.521
69.5	416.499	454.462	551.503	632.038	658.723
70.0	402.813	441.877	539.880	621.172	647.994
70.5	389.470	429.428	528.258	610.306	637.403
71.0	376.266	417.118	516.841	599.577	626.949
71.5	363.199	405.082	505.699	589.123	616.633
72.0	350.406	392.978	494.558	578.738	606.592
72.5	337.546	381.286	483.692	568.559	596.619
73.0	325.029	369.663	472.894	558.518	586.578
73.5	312.856	358.178	462.440	548.546	576.812
74.0	300.820	347.037	451.849	538.918	566.978
74.5	288.991	335.826	441.739	529.358	557.693
75.0	277.230	324.891	431.698	520.005	548.684
75.5	265.676	314.231	421.795	510.720	539.537
76.0	254.466	303.777	412.166	501.504	530.596
76.5	243.324	293.461	402.606	492.495	521.655
77.0	232.321	283.214	393.184	483.554	512.990
77.5	221.523	273.241	383.900	474.888	504.393
78.0	210.863	263.475	374.890	466.360	495.934
78.5	200.409	253.847	365.950	457.764	487.543
79.0	190.162	244.494	357.284	449.442	479.290
79.5	179.983	235.209	348.756	441.326	471.037
80.0	169.942	226.062	340.228	433.280	463.197
80.5	160.176	217.190	331.975	425.164	455.219
81.0	150.685	208.456	324.066	417.324	447.447
81.5	141.057	199.928	316.157	409.553	439.676
82.0	131.772	191.606	308.454	402.056	432.179
82.5	122.694	183.422	300.889	394.560	424.821

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83.0	113.753	175.444	293.461	387.338	417.668
83.5	104.881	167.672	286.377	379.980	410.240
84.0	96.216	160.107	279.500	373.033	403.157
84.5	87.619	152.817	272.760	366.156	396.210
85.0	79.366	145.733	266.158	359.347	389.264
85.5	71.113	138.993	259.693	352.745	382.524
86.0	62.998	132.529	253.366	346.280	375.853
86.5	54.951	126.476	247.382	339.815	369.182
87.0	47.042	120.631	241.330	333.694	362.648
87.5	39.133	115.197	235.622	327.505	356.390
88.0	31.292	109.902	229.982	321.521	350.063
88.5	23.383	104.950	224.549	315.607	343.942
89.0	16.162	100.273	219.391	309.898	337.890
89.5	10.247	95.941	214.370	304.396	331.975
90.0	6.121	92.089	209.762	299.169	326.542
90.5	4.333	88.719	205.498	293.943	320.765
91.0	4.608	85.624	201.166	288.647	315.263
91.5	5.502	82.667	196.833	283.626	309.761
92.0	6.534	80.191	192.706	278.537	304.396
92.5	7.634	78.059	189.199	273.654	299.101
93.0	8.734	76.202	185.554	269.046	294.011
93.5	9.904	74.758	182.115	264.507	289.197
94.0	11.141	73.520	178.883	260.243	284.520
94.5	12.311	72.626	175.857	255.910	279.706
95.0	13.480	71.938	173.037	251.646	275.098
95.5	14.580	71.457	170.423	247.588	270.559
96.0	15.474	71.250	168.154	243.668	266.089
96.5	16.368	71.250	165.884	240.023	261.962
97.0	17.194	71.319	163.821	236.516	257.836
97.5	18.088	71.594	161.895	233.146	254.053
98.0	18.844	71.869	160.176	229.845	250.202
98.5	19.738	72.213	158.732	226.681	246.626
99.0	20.632	72.626	157.219	223.724	243.118
99.5	21.595	73.107	155.912	220.904	239.679
100.0	22.421	73.589	154.880	218.291	236.585
100.5	23.383	74.139	153.849	215.746	233.421
101.0	24.209	74.689	153.092	213.339	230.601
101.5	25.034	75.239	152.336	211.069	227.713
102.0	25.790	75.790	151.786	208.937	225.168
102.5	26.547	76.340	151.235	206.943	222.623
103.0	27.304	76.959	150.823	204.948	220.354
103.5	28.129	77.578	150.479	203.229	218.015
104.0	29.023	78.128	150.135	201.647	215.883
104.5	29.917	78.747	149.929	200.134	213.889
105.0	30.742	79.366	149.722	198.759	211.963
105.5	31.499	79.916	149.516	197.314	210.313
106.0	32.393	80.604	149.447	196.076	208.662
106.5	33.218	81.223	149.447	194.907	207.011
107.0	34.043	81.911	149.447	193.807	205.636
107.5	34.800	82.461	149.447	192.981	204.192
108.0	35.763	83.148	149.447	192.019	202.747
108.5	36.657	83.836	149.516	191.331	201.785
109.0	37.551	84.386	149.653	190.437	200.822
109.5	38.514	85.005	149.722	189.818	199.790
110.0	39.477	85.624	149.860	189.130	198.965
110.5	40.439	86.243	149.997	188.511	198.208

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CANDELA TABULATION - (Cont.)

111.0	41.402	86.862	150.066	187.961	197.383
111.5	42.365	87.412	150.135	187.548	196.695
112.0	43.397	88.031	150.272	187.136	195.870
112.5	44.428	88.650	150.410	186.654	195.113
113.0	45.529	89.269	150.616	186.310	194.770
113.5	46.560	89.820	150.616	185.966	194.288
114.0	47.661	90.370	150.754	185.691	193.807
114.5	48.692	90.989	150.891	185.347	193.394
115.0	49.793	91.470	151.029	185.141	193.050
115.5	50.893	92.089	151.029	184.935	192.706
116.0	51.925	92.639	151.235	184.660	192.294
116.5	52.888	93.190	151.373	184.385	192.156
117.0	53.988	93.809	151.510	184.385	191.812
117.5	55.020	94.290	151.648	184.110	191.606
118.0	55.914	94.771	151.786	183.972	191.331
118.5	56.945	95.253	151.854	183.766	191.262
119.0	57.839	95.734	151.992	183.559	190.849
119.5	58.802	96.078	152.129	183.353	190.781
120.0	59.696	96.422	152.061	183.215	190.437
120.5	60.590	96.835	152.129	182.940	190.368
121.0	61.484	97.110	152.267	182.734	190.093
121.5	62.447	97.454	152.198	182.459	189.955
122.0	63.341	97.866	152.198	182.321	189.749
122.5	64.235	98.279	152.267	182.046	189.268
123.0	65.130	98.692	152.198	181.771	189.199
123.5	65.955	99.035	152.061	181.565	188.786
124.0	66.643	99.310	152.061	181.359	188.717
124.5	67.330	99.586	152.061	181.015	188.442
125.0	68.018	99.929	151.923	180.671	188.167
125.5	68.706	100.136	151.786	180.465	187.823
126.0	69.325	100.411	151.717	180.052	187.548
126.5	69.875	100.755	151.579	179.777	187.342
127.0	70.494	100.892	151.442	179.433	187.067
127.5	70.975	101.099	151.235	179.089	186.585
128.0	71.594	101.099	151.167	178.676	186.310
128.5	72.076	101.236	150.891	178.332	186.035
129.0	72.557	101.374	150.616	177.989	185.691
129.5	72.970	101.580	150.135	177.438	185.279
130.0	73.314	101.718	149.653	177.095	184.866
130.5	73.658	101.855	149.103	176.682	184.385
131.0	73.864	102.061	148.553	176.063	183.903
131.5	74.139	102.268	148.003	175.513	183.422
132.0	74.414	102.474	147.384	175.169	183.009
132.5	74.552	102.543	146.696	174.481	182.390
133.0	74.758	102.612	146.421	173.862	181.634
133.5	74.827	102.543	146.008	173.381	181.290
134.0	74.896	102.405	145.733	172.831	180.808
134.5	75.102	102.130	145.389	172.212	179.914
135.0	75.308	101.924	144.977	171.386	179.227
135.5	75.239	101.374	144.633	170.836	178.676
136.0	75.377	101.305	144.152	170.148	177.989
136.5	75.514	101.099	143.808	169.392	177.301
137.0	75.583	100.755	143.257	168.773	176.544
137.5	75.652	100.411	142.776	167.948	175.857
138.0	75.790	100.205	142.088	167.260	175.031
138.5	75.790	99.929	141.194	166.503	174.412

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

139.0	75.721	99.723	140.163	165.609	173.449
139.5	75.721	99.448	138.925	164.646	172.762
140.0	75.721	99.104	137.549	163.752	171.799
140.5	75.721	98.898	136.311	162.652	170.767
141.0	75.721	98.760	134.936	161.483	169.942
141.5	75.721	98.485	133.560	160.451	169.117
142.0	75.652	98.348	132.254	159.144	168.223
142.5	75.583	98.141	130.878	157.975	167.191
143.0	75.514	97.935	129.571	156.875	166.159
143.5	75.514	97.660	128.058	155.706	165.197
144.0	75.514	97.316	126.752	154.812	164.096
144.5	75.721	97.041	125.445	153.780	163.133
145.0	75.996	96.766	124.001	152.886	162.033
145.5	76.477	96.422	122.694	151.992	160.933
146.0	77.096	96.147	121.456	151.029	159.901
146.5	77.715	95.872	120.424	149.997	158.732
147.0	78.334	95.528	119.255	148.966	157.563
147.5	78.884	95.390	118.361	147.934	156.393
148.0	79.503	95.115	117.398	146.765	155.155
148.5	80.054	95.046	116.642	145.665	153.918
149.0	80.741	95.046	115.816	144.564	152.817
149.5	81.223	95.253	115.060	143.395	151.442
150.0	81.773	95.390	114.303	142.295	149.997
150.5	82.254	95.459	113.478	141.057	148.484
151.0	82.598	95.665	112.378	139.819	146.696
151.5	82.942	95.734	111.208	138.512	145.046
152.0	83.355	95.872	110.108	137.137	143.395
152.5	83.767	96.009	109.076	135.692	141.607
153.0	84.043	96.078	107.976	134.042	140.163
153.5	84.386	96.284	106.807	132.322	138.512
154.0	84.662	96.216	105.775	130.397	137.137
154.5	85.005	96.284	104.881	128.540	135.761
155.0	85.143	96.422	103.987	126.408	134.729
155.5	85.418	96.491	103.093	124.413	133.629
156.0	85.624	96.491	102.474	122.281	132.666
156.5	85.968	96.491	101.855	120.149	131.428
157.0	86.106	96.628	101.236	118.224	130.259
157.5	86.312	96.628	100.824	116.367	128.952
158.0	86.587	96.560	100.617	114.441	127.714
158.5	86.656	96.560	100.342	112.859	126.270
159.0	87.000	96.353	100.136	111.346	125.032
159.5	87.275	96.216	99.792	109.902	123.657
160.0	87.619	96.078	99.448	108.733	122.281
160.5	88.031	96.009	99.173	107.632	120.974
161.0	88.307	95.803	99.104	106.463	119.668
161.5	88.719	95.734	98.967	105.294	118.705
162.0	89.063	95.597	99.173	104.331	117.880
162.5	89.407	95.597	99.310	103.299	116.917
163.0	89.820	95.528	99.379	102.199	116.091
163.5	90.163	95.528	99.517	101.030	115.060
164.0	90.301	95.528	99.654	99.586	114.097
164.5	90.507	95.390	99.517	98.485	112.859
165.0	90.714	95.390	99.310	97.385	111.621
165.5	90.920	95.322	99.104	96.628	110.314
166.0	91.126	95.253	98.967	95.803	108.320
166.5	91.333	95.253	98.760	95.115	107.357

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	91.608	95.253	98.554	94.496	106.601
167.5	91.745	95.253	98.141	93.946	105.844
168.0	91.952	95.253	97.797	93.396	105.225
168.5	92.364	94.978	97.316	92.914	104.469
169.0	92.571	95.046	96.972	92.433	103.712
169.5	92.914	94.840	96.422	91.883	102.887
170.0	93.052	94.771	95.941	91.195	102.130
170.5	93.258	94.634	95.322	90.439	101.305
171.0	93.396	94.496	94.634	89.613	100.273
171.5	93.602	94.496	94.015	88.857	99.448
172.0	93.946	94.359	93.671	88.100	98.210
172.5	94.152	94.359	93.258	87.275	96.835
173.0	94.427	94.221	92.914	86.518	94.496
173.5	94.771	94.290	92.777	85.762	90.989
174.0	95.046	94.290	92.708	85.143	86.656
174.5	95.253	94.290	92.571	84.524	81.498
175.0	95.665	94.496	92.502	84.043	75.652
175.5	95.803	94.565	92.433	83.836	69.531
176.0	96.078	94.703	92.433	83.630	65.542
176.5	96.147	94.771	92.364	83.630	62.722
177.0	96.422	94.909	92.227	83.424	59.834
177.5	96.491	94.909	92.020	83.355	59.215
178.0	96.766	95.046	91.952	83.286	59.352
178.5	96.903	95.115	92.020	83.148	59.490
179.0	97.041	95.115	91.952	82.942	59.559
179.5	97.178	95.115	91.883	82.873	59.628
180.0	87.137	87.137	87.137	87.137	87.137

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L85-935-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	787.38	N.A.	11.70
0-30	1649.83	N.A.	24.50
0-40	2650.23	N.A.	39.40
0-60	4485.16	N.A.	66.70
0-80	5587.71	N.A.	83.10
0-90	5865.00	N.A.	87.30
10-90	5659.73	N.A.	84.20
20-40	1862.84	N.A.	27.70
20-50	2847.99	N.A.	42.40
40-70	2488.57	N.A.	37.00
60-80	1102.55	N.A.	16.40
70-80	448.92	N.A.	6.70
80-90	277.29	N.A.	4.10
90-110	323.88	N.A.	4.80
90-120	460.22	N.A.	6.80
90-130	585.71	N.A.	8.70
90-150	768.93	N.A.	11.40
90-180	856.52	N.A.	12.70
110-180	532.64	N.A.	7.90
0-180	6721.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	205.27
10-20	582.11
20-30	862.45
30-40	1000.39
40-50	985.14
50-60	849.79
60-70	653.63
70-80	448.92
80-90	277.29
90-100	177.66
100-110	146.21
110-120	136.35
120-130	125.49
130-140	105.45
140-150	77.77
150-160	50.85
160-170	28.02
170-180	8.73

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L85-935-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	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-L85-935-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

X=2H	Y=2H	18.4	19.8	19.0	20.3	20.9	20.1	21.4	20.6	22.0	22.6
	3H	19.8	21.0	20.3	21.6	22.2	22.3	23.5	22.8	24.1	24.7
	4H	20.2	21.4	20.8	22.0	22.6	23.3	24.5	23.9	25.1	25.8
	6H	20.5	21.6	21.1	22.2	22.9	24.5	25.5	25.1	26.1	26.8
	8H	20.6	21.6	21.2	22.2	22.9	25.0	26.1	25.7	26.7	27.4
	12H	20.6	21.6	21.2	22.2	22.9	25.7	26.7	26.3	27.3	28.0

UGR Viewed Endwise

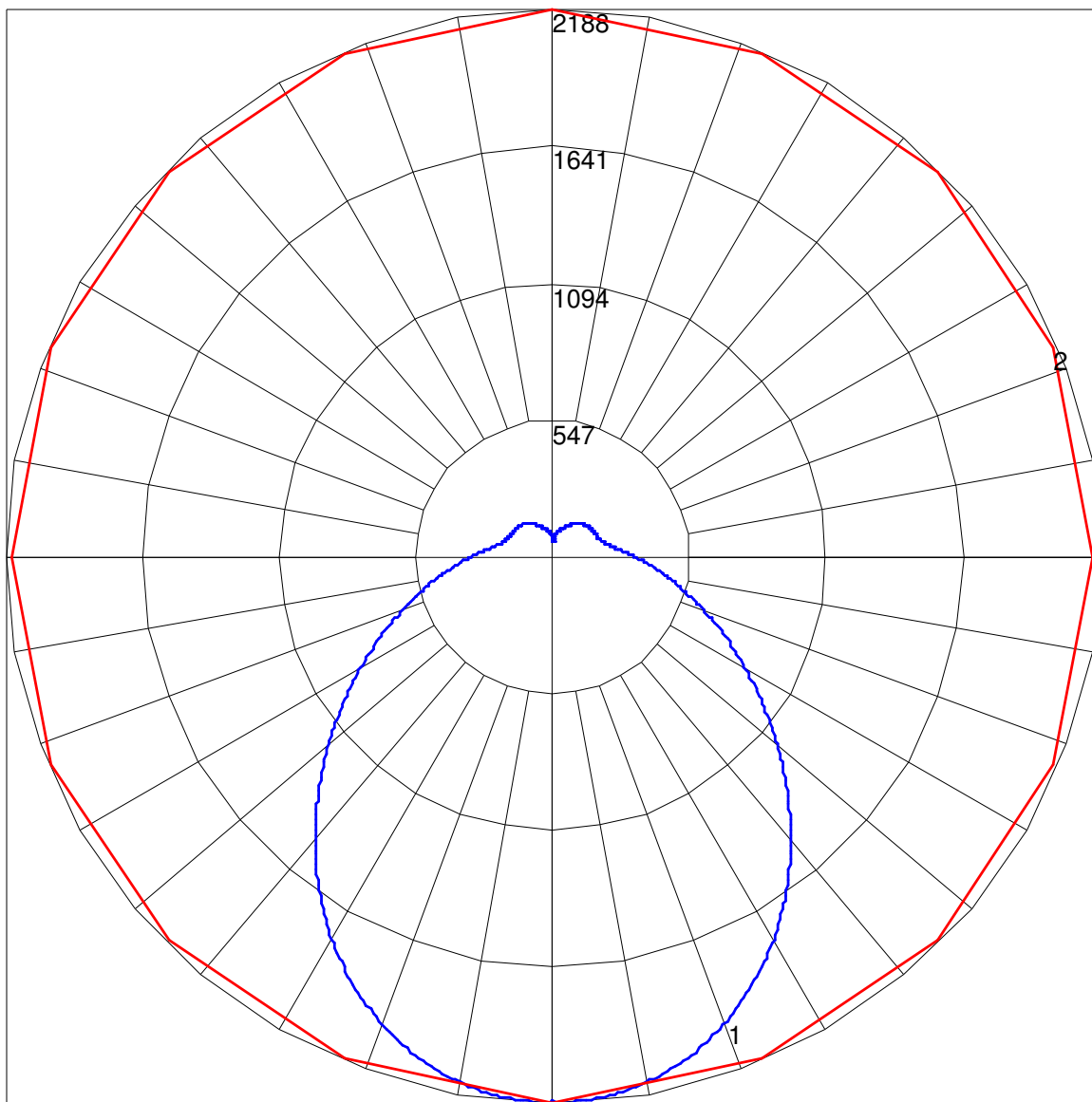
4H	2H	19.1	20.3	19.7	20.9	21.6	20.5	21.6	21.1	22.2	22.9
	3H	20.7	21.7	21.3	22.3	23.0	22.9	23.9	23.5	24.5	25.2
	4H	21.3	22.2	21.9	22.8	23.6	24.2	25.0	24.8	25.7	26.4
	6H	21.7	22.5	22.4	23.2	23.9	25.5	26.3	26.1	26.9	27.7
	8H	21.8	22.6	22.5	23.2	24.0	26.2	26.9	26.8	27.6	28.3
	12H	21.9	22.6	22.6	23.3	24.0	27.0	27.6	27.6	28.3	29.1

8H	4H	21.9	22.6	22.5	23.3	24.0	24.3	25.1	25.0	25.7	26.5
	6H	22.5	23.1	23.1	23.8	24.5	25.8	26.5	26.5	27.2	27.9
	8H	22.7	23.2	23.3	23.9	24.7	26.7	27.3	27.4	28.0	28.7
	12H	22.8	23.3	23.5	24.0	24.8	27.7	28.2	28.4	28.9	29.7

12H	4H	22.0	22.7	22.7	23.4	24.1	24.3	25.0	25.0	25.7	26.5
	6H	22.7	23.3	23.4	24.0	24.8	25.9	26.5	26.6	27.1	27.9
	8H	23.0	23.5	23.7	24.2	25.0	26.8	27.3	27.5	28.0	28.8

Maximum UGR = 29.7

POLAR GRAPH



Maximum Candela = 2188.407 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.)