

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L85-927-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-L85-927-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	6479
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
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	14215	12732	12607
55	12309	10900	11068
65	10347	9336	9864
75	8298	8155	9220
85	6087	8022	9741

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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	2096.713	2096.713	2096.713	2096.713	2096.713
0.5	2086.770	2094.725	2096.051	2095.388	2109.308
1.0	2086.770	2095.388	2095.388	2094.725	2108.645
1.5	2084.781	2095.388	2094.725	2094.062	2109.308
2.0	2084.119	2093.399	2094.725	2093.399	2107.320
2.5	2084.119	2093.399	2092.736	2092.736	2105.994
3.0	2082.130	2091.410	2091.410	2091.410	2104.668
3.5	2080.804	2089.422	2089.422	2090.085	2103.342
4.0	2079.478	2088.096	2088.096	2087.433	2102.016
4.5	2076.164	2086.107	2086.770	2086.107	2100.028
5.0	2074.175	2084.119	2084.119	2084.119	2098.039
5.5	2071.524	2081.467	2081.467	2082.130	2095.388
6.0	2070.198	2078.153	2078.815	2078.815	2092.736
6.5	2065.558	2075.501	2076.164	2076.164	2089.422
7.0	2062.906	2072.187	2072.849	2072.187	2086.770
7.5	2060.255	2068.209	2069.535	2069.535	2083.456
8.0	2056.940	2065.558	2065.558	2065.558	2078.815
8.5	2053.626	2060.917	2062.243	2062.243	2074.838
9.0	2048.323	2057.603	2058.266	2057.603	2070.198
9.5	2045.008	2052.963	2052.963	2052.963	2067.546
10.0	2039.705	2047.660	2047.660	2048.985	2062.243
10.5	2035.065	2043.020	2043.682	2043.682	2057.603
11.0	2030.425	2038.379	2039.042	2038.379	2052.300
11.5	2024.459	2033.076	2034.402	2033.076	2047.660
12.0	2019.156	2027.110	2028.436	2028.436	2041.694
12.5	2013.852	2021.144	2023.133	2021.807	2036.391
13.0	2007.886	2015.841	2017.167	2016.504	2030.425
13.5	2001.920	2009.212	2010.538	2010.538	2025.122
14.0	1994.629	2002.583	2003.909	2003.909	2017.830
14.5	1988.663	1995.954	1997.280	1997.280	2012.527
15.0	1982.697	1989.326	1989.988	1989.988	2004.572
15.5	1975.405	1981.371	1983.360	1983.360	1996.617
16.0	1967.450	1974.079	1976.068	1976.068	1989.988
16.5	1960.821	1966.125	1968.113	1968.776	1982.697
17.0	1951.541	1957.507	1960.159	1960.821	1974.742
17.5	1943.586	1949.552	1952.204	1952.867	1966.787
18.0	1936.295	1941.598	1943.586	1945.575	1959.496
18.5	1927.677	1933.643	1935.632	1936.957	1950.878
19.0	1919.060	1923.700	1927.014	1928.340	1941.598
19.5	1909.116	1915.745	1918.397	1921.048	1932.980
20.0	1898.510	1905.802	1909.116	1911.105	1923.700
20.5	1887.904	1897.184	1899.836	1902.487	1915.082
21.0	1879.286	1886.578	1888.567	1893.870	1905.802
21.5	1869.343	1876.635	1879.949	1882.601	1895.858
22.0	1858.737	1867.354	1870.669	1873.320	1887.241
22.5	1849.456	1855.422	1860.063	1864.040	1877.298
23.0	1838.187	1844.816	1849.456	1853.434	1866.691
23.5	1826.255	1833.547	1839.513	1843.490	1856.748
24.0	1814.323	1822.278	1828.244	1832.884	1846.142
24.5	1804.380	1811.009	1817.638	1821.615	1834.210
25.0	1793.111	1799.740	1807.032	1811.009	1823.604
25.5	1780.516	1788.471	1794.437	1800.403	1811.009
26.0	1768.584	1775.876	1783.830	1789.134	1801.066
26.5	1755.989	1763.281	1772.561	1777.202	1789.796

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27.0	1743.394	1750.023	1761.292	1767.258	1778.527
27.5	1728.811	1737.428	1748.697	1754.001	1767.258
28.0	1718.205	1724.833	1736.103	1742.069	1754.663
28.5	1704.284	1712.239	1723.508	1729.474	1742.069
29.0	1691.026	1698.981	1710.250	1717.542	1730.137
29.5	1677.106	1685.060	1696.992	1704.284	1716.879
30.0	1663.185	1671.802	1683.734	1693.015	1705.610
30.5	1648.601	1657.219	1671.140	1680.420	1692.352
31.0	1634.681	1643.298	1657.219	1667.162	1678.431
31.5	1620.097	1630.041	1643.961	1654.567	1666.499
32.0	1606.177	1614.794	1630.703	1640.647	1652.579
32.5	1590.930	1600.211	1616.783	1627.389	1639.321
33.0	1576.347	1586.290	1601.536	1614.131	1626.063
33.5	1562.426	1571.706	1588.279	1599.548	1612.143
34.0	1545.854	1556.460	1573.695	1586.290	1599.548
34.5	1530.607	1541.876	1559.774	1571.706	1584.964
35.0	1516.687	1525.967	1545.854	1558.449	1571.044
35.5	1498.789	1511.384	1530.607	1543.865	1556.460
36.0	1484.868	1495.474	1516.024	1529.282	1542.539
36.5	1467.633	1479.565	1500.777	1515.361	1529.282
37.0	1451.724	1464.319	1485.531	1500.115	1515.361
37.5	1435.152	1447.746	1470.948	1486.857	1500.115
38.0	1418.579	1431.837	1455.038	1471.610	1484.205
38.5	1401.344	1415.265	1439.792	1457.690	1469.622
39.0	1386.098	1398.693	1423.883	1442.443	1457.690
39.5	1368.863	1383.446	1408.636	1427.197	1441.780
40.0	1350.302	1366.211	1392.727	1413.276	1426.534
40.5	1333.067	1349.639	1377.480	1398.693	1411.951
41.0	1317.158	1333.067	1361.571	1383.446	1396.704
41.5	1299.923	1316.495	1345.662	1368.200	1382.121
42.0	1282.687	1299.923	1329.752	1353.616	1367.537
42.5	1266.115	1282.687	1313.180	1338.370	1352.291
43.0	1247.554	1266.115	1297.934	1323.786	1337.707
43.5	1231.645	1248.880	1281.362	1308.540	1323.124
44.0	1213.747	1231.645	1264.789	1293.957	1307.877
44.5	1197.175	1215.073	1248.217	1278.047	1292.631
45.0	1179.940	1197.838	1232.308	1264.127	1278.710
45.5	1162.705	1181.266	1216.399	1249.543	1264.127
46.0	1145.470	1164.031	1199.164	1233.634	1248.880
46.5	1128.235	1146.796	1184.580	1220.376	1234.297
47.0	1110.337	1130.223	1168.008	1204.467	1219.713
47.5	1093.102	1112.988	1151.436	1189.220	1204.467
48.0	1076.529	1095.753	1134.864	1175.300	1189.220
48.5	1057.969	1079.181	1119.617	1159.390	1174.637
49.0	1041.396	1061.283	1102.382	1144.144	1159.390
49.5	1024.161	1044.711	1086.473	1129.560	1144.807
50.0	1006.263	1027.476	1070.563	1113.651	1129.560
50.5	989.691	1010.904	1053.991	1100.393	1115.640
51.0	972.456	993.668	1039.408	1085.147	1101.056
51.5	955.884	976.433	1022.836	1070.563	1086.473
52.0	937.986	959.861	1006.926	1055.317	1071.889
52.5	920.751	942.626	991.680	1040.071	1057.969
53.0	902.853	926.054	975.771	1026.813	1042.722
53.5	885.618	909.482	960.524	1011.566	1028.802
54.0	869.046	892.910	945.278	996.983	1014.881
54.5	853.136	875.674	930.031	983.725	1000.960

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55.0	836.564	859.765	914.785	968.479	988.365
55.5	822.643	843.193	899.538	954.558	973.119
56.0	806.734	828.609	884.955	940.637	959.198
56.5	790.162	813.363	869.708	926.717	945.941
57.0	774.253	798.117	855.125	912.796	932.020
57.5	757.680	782.207	842.530	899.538	916.774
58.0	741.108	766.298	827.947	884.955	905.504
58.5	725.199	750.389	813.363	872.360	892.247
59.0	709.290	734.479	799.442	861.091	878.326
59.5	693.380	719.233	786.848	847.170	867.720
60.0	677.471	703.324	772.927	833.913	854.462
60.5	661.893	688.077	759.006	821.318	841.204
61.0	646.249	672.831	745.086	808.723	828.609
61.5	630.738	657.717	731.165	796.128	816.677
62.0	615.491	642.736	717.907	784.196	804.083
62.5	600.444	627.887	703.987	772.264	792.151
63.0	585.197	613.105	690.729	759.669	781.544
63.5	570.083	598.521	678.134	747.737	769.612
64.0	555.367	584.137	664.876	735.142	757.680
64.5	540.717	570.083	652.281	723.210	745.749
65.0	526.200	555.964	639.620	711.278	734.479
65.5	511.882	542.176	627.092	699.346	722.547
66.0	497.365	528.388	614.696	687.414	711.278
66.5	483.179	514.931	602.366	676.145	700.009
67.0	469.324	501.607	590.103	664.213	688.740
67.5	455.404	488.482	578.104	653.077	677.471
68.0	441.682	475.688	566.172	641.808	666.865
68.5	428.159	462.961	554.505	630.870	655.795
69.0	414.702	450.366	542.971	619.866	645.321
69.5	401.445	438.036	531.570	609.194	634.914
70.0	388.253	425.905	520.367	598.720	624.573
70.5	375.393	413.907	509.164	588.246	614.364
71.0	362.666	402.041	498.160	577.905	604.288
71.5	350.071	390.441	487.421	567.829	594.345
72.0	337.741	378.774	476.682	557.820	584.667
72.5	325.345	367.505	466.209	548.009	575.055
73.0	313.281	356.302	455.801	538.331	565.377
73.5	301.548	345.232	445.726	528.719	555.964
74.0	289.947	334.493	435.517	519.439	546.485
74.5	278.545	323.688	425.773	510.225	537.536
75.0	267.210	313.148	416.095	501.209	528.852
75.5	256.073	302.873	406.549	492.260	520.035
76.0	245.268	292.797	397.269	483.378	511.418
76.5	234.530	282.854	388.054	474.694	502.800
77.0	223.923	272.977	378.973	466.076	494.448
77.5	213.516	263.365	370.024	457.724	486.162
78.0	203.241	253.952	361.340	449.504	478.008
78.5	193.165	244.672	352.722	441.218	469.921
79.0	183.288	235.657	344.370	433.197	461.966
79.5	173.478	226.708	336.150	425.375	454.012
80.0	163.800	217.891	327.930	417.619	446.455
80.5	154.387	209.340	319.976	409.797	438.765
81.0	145.239	200.921	312.353	402.240	431.275
81.5	135.958	192.701	304.729	394.750	423.784
82.0	127.009	184.680	297.305	387.524	416.559
82.5	118.259	176.792	290.013	380.299	409.466

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83.0	109.642	169.103	282.854	373.338	402.572
83.5	101.090	161.612	276.026	366.245	395.412
84.0	92.738	154.320	269.398	359.550	388.585
84.5	84.452	147.294	262.901	352.921	381.890
85.0	76.497	140.466	256.537	346.359	375.194
85.5	68.543	133.970	250.306	339.995	368.698
86.0	60.721	127.738	244.208	333.764	362.268
86.5	52.965	121.905	238.441	327.533	355.838
87.0	45.342	116.270	232.607	321.633	349.541
87.5	37.718	111.034	227.105	315.667	343.508
88.0	30.161	105.929	221.670	309.900	337.410
88.5	22.538	101.157	216.433	304.199	331.510
89.0	15.578	96.649	211.461	298.697	325.677
89.5	9.877	92.473	206.622	293.394	319.976
90.0	5.900	88.761	202.181	288.356	314.739
90.5	4.176	85.512	198.071	283.318	309.171
91.0	4.441	82.530	193.895	278.214	303.868
91.5	5.303	79.679	189.718	273.375	298.565
92.0	6.297	77.293	185.741	268.469	293.394
92.5	7.358	75.238	182.360	263.763	288.290
93.0	8.419	73.448	178.847	259.322	283.384
93.5	9.546	72.056	175.533	254.947	278.744
94.0	10.739	70.863	172.417	250.837	274.237
94.5	11.866	70.001	169.500	246.660	269.596
95.0	12.993	69.338	166.783	242.551	265.155
95.5	14.053	68.874	164.264	238.640	260.780
96.0	14.915	68.675	162.076	234.861	256.471
96.5	15.777	68.675	159.888	231.348	252.494
97.0	16.572	68.741	157.900	227.967	248.517
97.5	17.434	69.007	156.044	224.719	244.871
98.0	18.163	69.272	154.387	221.537	241.158
98.5	19.025	69.603	152.994	218.488	237.711
99.0	19.887	70.001	151.536	215.637	234.331
99.5	20.815	70.465	150.277	212.919	231.016
100.0	21.610	70.929	149.282	210.401	228.033
100.5	22.538	71.459	148.288	207.948	224.984
101.0	23.334	71.990	147.559	205.628	222.266
101.5	24.129	72.520	146.830	203.440	219.482
102.0	24.858	73.050	146.299	201.385	217.029
102.5	25.587	73.581	145.769	199.463	214.577
103.0	26.317	74.177	145.371	197.540	212.389
103.5	27.112	74.774	145.040	195.883	210.135
104.0	27.974	75.304	144.708	194.359	208.080
104.5	28.836	75.901	144.509	192.900	206.158
105.0	29.631	76.497	144.311	191.575	204.302
105.5	30.360	77.028	144.112	190.182	202.711
106.0	31.222	77.690	144.045	188.989	201.120
106.5	32.017	78.287	144.045	187.862	199.529
107.0	32.813	78.950	144.045	186.802	198.203
107.5	33.542	79.480	144.045	186.006	196.811
108.0	34.470	80.143	144.045	185.078	195.419
108.5	35.332	80.806	144.112	184.415	194.491
109.0	36.194	81.336	144.244	183.554	193.563
109.5	37.122	81.933	144.311	182.957	192.569
110.0	38.050	82.530	144.443	182.294	191.773
110.5	38.978	83.126	144.576	181.697	191.044

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CANDELA TABULATION - (Cont.)

111.0	39.906	83.723	144.642	181.167	190.249
111.5	40.834	84.253	144.708	180.769	189.586
112.0	41.828	84.850	144.841	180.372	188.790
112.5	42.823	85.446	144.974	179.908	188.061
113.0	43.883	86.043	145.172	179.576	187.730
113.5	44.877	86.573	145.172	179.245	187.266
114.0	45.938	87.103	145.305	178.980	186.802
114.5	46.932	87.700	145.438	178.648	186.404
115.0	47.993	88.164	145.570	178.449	186.073
115.5	49.054	88.761	145.570	178.250	185.741
116.0	50.048	89.291	145.769	177.985	185.343
116.5	50.976	89.821	145.902	177.720	185.211
117.0	52.037	90.418	146.034	177.720	184.879
117.5	53.031	90.882	146.167	177.455	184.680
118.0	53.893	91.346	146.299	177.322	184.415
118.5	54.887	91.810	146.366	177.124	184.349
119.0	55.749	92.274	146.498	176.925	183.951
119.5	56.677	92.605	146.631	176.726	183.885
120.0	57.539	92.937	146.564	176.593	183.554
120.5	58.400	93.335	146.631	176.328	183.487
121.0	59.262	93.600	146.763	176.129	183.222
121.5	60.190	93.931	146.697	175.864	183.090
122.0	61.052	94.329	146.697	175.731	182.891
122.5	61.914	94.727	146.763	175.466	182.427
123.0	62.775	95.124	146.697	175.201	182.360
123.5	63.571	95.456	146.564	175.002	181.963
124.0	64.234	95.721	146.564	174.803	181.896
124.5	64.897	95.986	146.564	174.472	181.631
125.0	65.560	96.318	146.432	174.141	181.366
125.5	66.222	96.516	146.299	173.942	181.035
126.0	66.819	96.782	146.233	173.544	180.769
126.5	67.349	97.113	146.100	173.279	180.571
127.0	67.946	97.246	145.968	172.947	180.305
127.5	68.410	97.444	145.769	172.616	179.841
128.0	69.007	97.444	145.703	172.218	179.576
128.5	69.471	97.577	145.438	171.887	179.311
129.0	69.935	97.710	145.172	171.555	178.980
129.5	70.332	97.908	144.708	171.025	178.582
130.0	70.664	98.041	144.244	170.694	178.184
130.5	70.995	98.174	143.714	170.296	177.720
131.0	71.194	98.373	143.184	169.699	177.256
131.5	71.459	98.571	142.653	169.169	176.792
132.0	71.724	98.770	142.057	168.837	176.394
132.5	71.857	98.837	141.394	168.175	175.798
133.0	72.056	98.903	141.129	167.578	175.069
133.5	72.122	98.837	140.731	167.114	174.737
134.0	72.188	98.704	140.466	166.584	174.273
134.5	72.387	98.439	140.134	165.987	173.411
135.0	72.586	98.240	139.737	165.192	172.749
135.5	72.520	97.710	139.405	164.661	172.218
136.0	72.652	97.643	138.941	163.998	171.555
136.5	72.785	97.444	138.610	163.269	170.892
137.0	72.851	97.113	138.079	162.673	170.163
137.5	72.918	96.782	137.615	161.877	169.500
138.0	73.050	96.583	136.953	161.214	168.705
138.5	73.050	96.318	136.091	160.485	168.108

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

139.0	72.984	96.119	135.096	159.623	167.180
139.5	72.984	95.854	133.903	158.695	166.517
140.0	72.984	95.522	132.578	157.834	165.589
140.5	72.984	95.323	131.384	156.773	164.595
141.0	72.984	95.191	130.059	155.646	163.800
141.5	72.984	94.926	128.733	154.652	163.004
142.0	72.918	94.793	127.473	153.392	162.142
142.5	72.851	94.594	126.148	152.265	161.148
143.0	72.785	94.395	124.888	151.205	160.154
143.5	72.785	94.130	123.430	150.078	159.226
144.0	72.785	93.799	122.170	149.216	158.165
144.5	72.984	93.533	120.911	148.222	157.237
145.0	73.249	93.268	119.519	147.360	156.176
145.5	73.713	92.937	118.259	146.498	155.116
146.0	74.310	92.672	117.066	145.570	154.121
146.5	74.906	92.407	116.072	144.576	152.994
147.0	75.503	92.075	114.945	143.581	151.868
147.5	76.033	91.943	114.083	142.587	150.741
148.0	76.630	91.677	113.155	141.460	149.547
148.5	77.160	91.611	112.426	140.400	148.354
149.0	77.823	91.611	111.630	139.339	147.294
149.5	78.287	91.810	110.901	138.212	145.968
150.0	78.817	91.943	110.172	137.151	144.576
150.5	79.281	92.009	109.376	135.958	143.117
151.0	79.613	92.208	108.316	134.765	141.394
151.5	79.944	92.274	107.189	133.506	139.803
152.0	80.342	92.407	106.128	132.180	138.212
152.5	80.740	92.539	105.134	130.788	136.489
153.0	81.005	92.605	104.073	129.197	135.096
153.5	81.336	92.804	102.946	127.540	133.506
154.0	81.601	92.738	101.952	125.683	132.180
154.5	81.933	92.804	101.090	123.894	130.854
155.0	82.065	92.937	100.229	121.839	129.860
155.5	82.331	93.003	99.367	119.916	128.799
156.0	82.530	93.003	98.770	117.861	127.871
156.5	82.861	93.003	98.174	115.806	126.678
157.0	82.994	93.136	97.577	113.950	125.551
157.5	83.192	93.136	97.179	112.161	124.291
158.0	83.458	93.069	96.980	110.304	123.098
158.5	83.524	93.069	96.715	108.780	121.706
159.0	83.855	92.871	96.516	107.321	120.513
159.5	84.120	92.738	96.185	105.929	119.187
160.0	84.452	92.605	95.854	104.803	117.861
160.5	84.850	92.539	95.588	103.742	116.602
161.0	85.115	92.340	95.522	102.615	115.342
161.5	85.512	92.274	95.390	101.488	114.414
162.0	85.844	92.141	95.588	100.560	113.619
162.5	86.175	92.141	95.721	99.566	112.691
163.0	86.573	92.075	95.787	98.505	111.895
163.5	86.905	92.075	95.920	97.378	110.901
164.0	87.037	92.075	96.052	95.986	109.973
164.5	87.236	91.943	95.920	94.926	108.780
165.0	87.435	91.943	95.721	93.865	107.587
165.5	87.634	91.876	95.522	93.136	106.327
166.0	87.833	91.810	95.390	92.340	104.405
166.5	88.031	91.810	95.191	91.677	103.477

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	88.297	91.810	94.992	91.081	102.748
167.5	88.429	91.810	94.594	90.550	102.018
168.0	88.628	91.810	94.263	90.020	101.422
168.5	89.026	91.545	93.799	89.556	100.693
169.0	89.225	91.611	93.467	89.092	99.963
169.5	89.556	91.412	92.937	88.562	99.168
170.0	89.689	91.346	92.473	87.899	98.439
170.5	89.888	91.213	91.876	87.170	97.643
171.0	90.020	91.081	91.213	86.374	96.649
171.5	90.219	91.081	90.617	85.645	95.854
172.0	90.550	90.948	90.285	84.916	94.660
172.5	90.749	90.948	89.888	84.120	93.335
173.0	91.014	90.816	89.556	83.391	91.081
173.5	91.346	90.882	89.424	82.662	87.700
174.0	91.611	90.882	89.357	82.065	83.524
174.5	91.810	90.882	89.225	81.469	78.552
175.0	92.208	91.081	89.158	81.005	72.918
175.5	92.340	91.147	89.092	80.806	67.018
176.0	92.605	91.280	89.092	80.607	63.173
176.5	92.672	91.346	89.026	80.607	60.455
177.0	92.937	91.478	88.893	80.408	57.671
177.5	93.003	91.478	88.694	80.342	57.075
178.0	93.268	91.611	88.628	80.276	57.207
178.5	93.401	91.677	88.694	80.143	57.340
179.0	93.533	91.677	88.628	79.944	57.406
179.5	93.666	91.677	88.562	79.878	57.472
180.0	83.988	83.988	83.988	83.988	83.988

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L85-927-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	758.92	N.A.	11.70
0-30	1590.2	N.A.	24.50
0-40	2554.44	N.A.	39.40
0-60	4323.05	N.A.	66.70
0-80	5385.75	N.A.	83.10
0-90	5653.02	N.A.	87.30
10-90	5455.16	N.A.	84.20
20-40	1795.51	N.A.	27.70
20-50	2745.05	N.A.	42.40
40-70	2398.62	N.A.	37.00
60-80	1062.7	N.A.	16.40
70-80	432.69	N.A.	6.70
80-90	267.27	N.A.	4.10
90-110	312.17	N.A.	4.80
90-120	443.59	N.A.	6.80
90-130	564.54	N.A.	8.70
90-150	741.14	N.A.	11.40
90-180	825.56	N.A.	12.70
110-180	513.39	N.A.	7.90
0-180	6478.58	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	197.85
10-20	561.07
20-30	831.28
30-40	964.24
40-50	949.54
50-60	819.08
60-70	630.01
70-80	432.69
80-90	267.27
90-100	171.24
100-110	140.93
110-120	131.42
120-130	120.95
130-140	101.64
140-150	74.96
150-160	49.01
160-170	27.00
170-180	8.41

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L85-927-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-L85-927-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	18.3	19.7	18.9	20.2	20.8	20.0	21.3	20.5	21.9	22.5
	3H	19.7	20.9	20.2	21.5	22.1	22.2	23.4	22.7	24.0	24.6
	4H	20.1	21.3	20.7	21.9	22.5	23.2	24.4	23.8	25.0	25.7
	6H	20.4	21.5	21.0	22.1	22.8	24.4	25.4	25.0	26.0	26.7
	8H	20.5	21.5	21.1	22.1	22.8	24.9	26.0	25.6	26.6	27.3
	12H	20.5	21.5	21.1	22.1	22.8	25.6	26.6	26.2	27.2	27.9

UGR Viewed Endwise

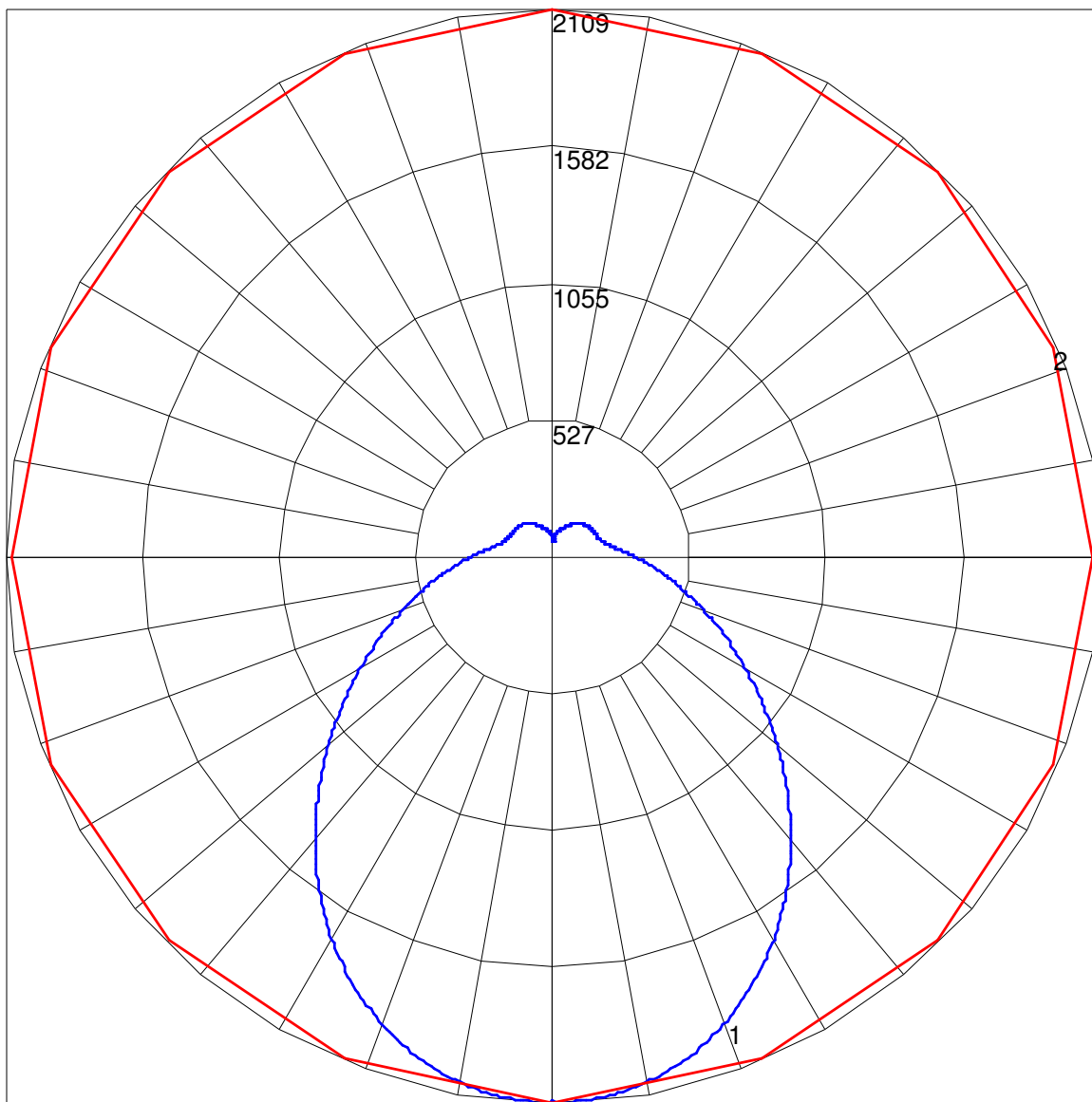
4H	2H	19.0	20.2	19.6	20.8	21.5	20.4	21.5	21.0	22.1	22.8
	3H	20.6	21.6	21.2	22.2	22.9	22.8	23.8	23.4	24.4	25.1
	4H	21.2	22.1	21.8	22.7	23.5	24.1	24.9	24.7	25.6	26.3
	6H	21.6	22.4	22.3	23.1	23.8	25.4	26.2	26.0	26.8	27.6
	8H	21.7	22.5	22.4	23.1	23.9	26.1	26.8	26.7	27.5	28.2
	12H	21.8	22.5	22.5	23.2	23.9	26.9	27.5	27.5	28.2	29.0

8H	4H	21.8	22.5	22.4	23.2	23.9	24.2	25.0	24.9	25.6	26.4
	6H	22.4	23.0	23.0	23.7	24.4	25.7	26.4	26.4	27.1	27.8
	8H	22.6	23.1	23.2	23.8	24.6	26.6	27.2	27.3	27.9	28.6
	12H	22.7	23.2	23.4	23.9	24.7	27.6	28.1	28.3	28.8	29.6

12H	4H	21.9	22.6	22.6	23.3	24.0	24.2	24.9	24.9	25.6	26.4
	6H	22.6	23.2	23.3	23.9	24.7	25.8	26.4	26.5	27.0	27.8
	8H	22.9	23.4	23.6	24.1	24.9	26.7	27.2	27.4	27.9	28.7

Maximum UGR = 29.6

POLAR GRAPH



Maximum Candela = 2109.308 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.)