

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L85-930-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-L85-930-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	6641
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
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	14570	13051	12922
55	12617	11173	11344
65	10606	9569	10110
75	8506	8359	9450
85	6239	8223	9984

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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	2149.131	2149.131	2149.131	2149.131	2149.131
0.5	2138.939	2147.093	2148.452	2147.772	2162.041
1.0	2138.939	2147.772	2147.772	2147.093	2161.362
1.5	2136.901	2147.772	2147.093	2146.414	2162.041
2.0	2136.222	2145.734	2147.093	2145.734	2160.003
2.5	2136.222	2145.734	2145.055	2145.055	2158.644
3.0	2134.183	2143.696	2143.696	2143.696	2157.285
3.5	2132.824	2141.657	2141.657	2142.337	2155.926
4.0	2131.465	2140.298	2140.298	2139.619	2154.567
4.5	2128.068	2138.260	2138.939	2138.260	2152.529
5.0	2126.030	2136.222	2136.222	2136.222	2150.490
5.5	2123.312	2133.504	2133.504	2134.183	2147.772
6.0	2121.953	2130.107	2130.786	2130.786	2145.055
6.5	2117.197	2127.389	2128.068	2128.068	2141.657
7.0	2114.479	2123.991	2124.671	2123.991	2138.939
7.5	2111.761	2119.915	2121.274	2121.274	2135.542
8.0	2108.364	2117.197	2117.197	2117.197	2130.786
8.5	2104.966	2112.441	2113.799	2113.799	2126.709
9.0	2099.531	2109.043	2109.723	2109.043	2121.953
9.5	2096.134	2104.287	2104.287	2104.287	2119.235
10.0	2090.698	2098.851	2098.851	2100.210	2113.799
10.5	2085.942	2094.095	2094.775	2094.775	2109.043
11.0	2081.185	2089.339	2090.018	2089.339	2103.608
11.5	2075.070	2083.903	2085.262	2083.903	2098.851
12.0	2069.635	2077.788	2079.147	2079.147	2092.736
12.5	2064.199	2071.673	2073.711	2072.352	2087.301
13.0	2058.084	2066.237	2067.596	2066.917	2081.185
13.5	2051.969	2059.443	2060.802	2060.802	2075.750
14.0	2044.495	2052.648	2054.007	2054.007	2068.276
14.5	2038.379	2045.853	2047.212	2047.212	2062.840
15.0	2032.264	2039.059	2039.738	2039.738	2054.686
15.5	2024.790	2030.905	2032.944	2032.944	2046.533
16.0	2016.637	2023.431	2025.470	2025.470	2039.738
16.5	2009.842	2015.278	2017.316	2017.996	2032.264
17.0	2000.330	2006.445	2009.163	2009.842	2024.111
17.5	1992.176	1998.291	2001.009	2001.689	2015.957
18.0	1984.702	1990.138	1992.176	1994.215	2008.483
18.5	1975.869	1981.984	1984.023	1985.382	1999.650
19.0	1967.036	1971.792	1975.190	1976.549	1990.138
19.5	1956.844	1963.639	1966.357	1969.075	1981.305
20.0	1945.973	1953.447	1956.844	1958.883	1971.792
20.5	1935.102	1944.614	1947.332	1950.050	1962.959
21.0	1926.269	1933.743	1935.781	1941.217	1953.447
21.5	1916.077	1923.551	1926.948	1929.666	1943.255
22.0	1905.205	1914.038	1917.436	1920.153	1934.422
22.5	1895.693	1901.808	1906.564	1910.641	1924.230
23.0	1884.142	1890.937	1895.693	1899.770	1913.359
23.5	1871.912	1879.386	1885.501	1889.578	1903.167
24.0	1859.682	1867.835	1873.950	1878.706	1892.296
24.5	1849.490	1856.284	1863.079	1867.156	1880.065
25.0	1837.939	1844.733	1852.207	1856.284	1869.194
25.5	1825.029	1833.183	1839.298	1845.413	1856.284
26.0	1812.799	1820.273	1828.426	1833.862	1846.092
26.5	1799.889	1807.363	1816.876	1821.632	1834.541

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27.0	1786.979	1793.774	1805.325	1811.440	1822.991
27.5	1772.031	1780.864	1792.415	1797.851	1811.440
28.0	1761.160	1767.954	1779.505	1785.620	1798.530
28.5	1746.891	1755.045	1766.596	1772.711	1785.620
29.0	1733.302	1741.455	1753.006	1760.480	1773.390
29.5	1719.033	1727.187	1739.417	1746.891	1759.801
30.0	1704.765	1713.598	1725.828	1735.340	1748.250
30.5	1689.817	1698.650	1712.918	1722.431	1734.661
31.0	1675.548	1684.381	1698.650	1708.841	1720.392
31.5	1660.600	1670.792	1685.060	1695.932	1708.162
32.0	1646.331	1655.164	1671.471	1681.663	1693.893
32.5	1630.704	1640.216	1657.202	1668.074	1680.304
33.0	1615.755	1625.947	1641.575	1654.485	1666.715
33.5	1601.487	1610.999	1627.986	1639.537	1652.446
34.0	1584.500	1595.372	1613.038	1625.947	1639.537
34.5	1568.873	1580.424	1598.769	1610.999	1624.588
35.0	1554.604	1564.116	1584.500	1597.410	1610.320
35.5	1536.259	1549.168	1568.873	1582.462	1595.372
36.0	1521.990	1532.861	1553.925	1567.514	1581.103
36.5	1504.324	1516.554	1538.297	1553.245	1567.514
37.0	1488.017	1500.927	1522.669	1537.618	1553.245
37.5	1471.030	1483.940	1507.721	1524.028	1537.618
38.0	1454.044	1467.633	1491.414	1508.401	1521.311
38.5	1436.378	1450.647	1475.787	1494.132	1506.362
39.0	1420.750	1433.660	1459.480	1478.505	1494.132
39.5	1403.085	1418.033	1443.852	1462.877	1477.825
40.0	1384.060	1400.367	1427.545	1448.608	1462.198
40.5	1366.394	1383.380	1411.917	1433.660	1447.249
41.0	1350.087	1366.394	1395.610	1418.033	1431.622
41.5	1332.421	1349.407	1379.303	1402.405	1416.674
42.0	1314.755	1332.421	1362.996	1387.457	1401.726
42.5	1297.768	1314.755	1346.010	1371.829	1386.098
43.0	1278.743	1297.768	1330.382	1356.881	1371.150
43.5	1262.436	1280.102	1313.396	1341.254	1356.202
44.0	1244.091	1262.436	1296.409	1326.306	1340.574
44.5	1227.104	1245.450	1279.423	1309.999	1324.947
45.0	1209.438	1227.784	1263.116	1295.730	1310.678
45.5	1191.773	1210.797	1246.809	1280.782	1295.730
46.0	1174.107	1193.131	1229.143	1264.475	1280.102
46.5	1156.441	1175.465	1214.195	1250.886	1265.154
47.0	1138.095	1158.479	1197.208	1234.578	1250.206
47.5	1120.429	1140.813	1180.222	1218.951	1234.578
48.0	1103.443	1123.147	1163.235	1204.682	1218.951
48.5	1084.418	1106.161	1147.608	1188.375	1204.003
49.0	1067.431	1087.815	1129.942	1172.748	1188.375
49.5	1049.765	1070.829	1113.635	1157.800	1173.427
50.0	1031.420	1053.163	1097.328	1141.492	1157.800
50.5	1014.433	1036.176	1080.341	1127.903	1143.531
51.0	996.768	1018.510	1065.393	1112.276	1128.583
51.5	979.781	1000.844	1048.406	1097.328	1113.635
52.0	961.436	983.858	1032.099	1081.700	1098.687
52.5	943.770	966.192	1016.472	1066.072	1084.418
53.0	925.424	949.205	1000.165	1052.483	1068.790
53.5	907.758	932.219	984.537	1036.856	1054.522
54.0	890.772	915.232	968.910	1021.908	1040.253
54.5	874.465	897.566	953.282	1008.318	1025.984

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55.0	857.478	881.259	937.655	992.691	1013.075
55.5	843.210	864.273	922.027	978.422	997.447
56.0	826.903	849.325	907.079	964.153	983.178
56.5	809.916	833.697	891.451	949.885	969.589
57.0	793.609	818.070	876.503	935.616	955.320
57.5	776.623	801.763	863.593	922.027	939.693
58.0	759.636	785.456	848.645	907.079	928.142
58.5	743.329	769.149	833.697	894.169	914.553
59.0	727.022	752.841	819.429	882.618	900.284
59.5	710.715	737.214	806.519	868.350	889.413
60.0	694.408	720.907	792.250	854.760	875.824
60.5	678.441	705.279	777.981	841.851	862.234
61.0	662.405	689.652	763.713	828.941	849.325
61.5	646.506	674.160	749.444	816.031	837.094
62.0	630.878	658.804	735.855	803.801	824.185
62.5	615.455	643.584	721.586	791.571	811.954
63.0	599.827	628.432	707.997	778.661	801.083
63.5	584.335	613.484	695.087	766.431	788.853
64.0	569.251	598.740	681.498	753.521	776.623
64.5	554.235	584.335	668.588	741.291	764.392
65.0	539.355	569.863	655.611	729.060	752.841
65.5	524.679	555.730	642.769	716.830	740.611
66.0	509.799	541.597	630.063	704.600	729.060
66.5	495.258	527.804	617.425	693.049	717.510
67.0	481.058	514.147	604.855	680.819	705.959
67.5	466.789	500.694	592.557	669.404	694.408
68.0	452.724	487.580	580.327	657.853	683.537
68.5	438.863	474.535	568.368	646.642	672.190
69.0	425.070	461.625	556.546	635.363	661.454
69.5	411.481	448.987	544.859	624.424	650.787
70.0	397.960	436.553	533.376	613.688	640.187
70.5	384.778	424.255	521.893	602.953	629.723
71.0	371.732	412.092	510.614	592.353	619.396
71.5	358.823	400.202	499.607	582.025	609.204
72.0	346.185	388.243	488.600	571.765	599.284
72.5	333.479	376.693	477.864	561.709	589.431
73.0	321.113	365.210	467.197	551.789	579.511
73.5	309.086	353.863	456.869	541.937	569.863
74.0	297.196	342.855	446.405	532.425	560.147
74.5	285.509	331.780	436.417	522.980	550.974
75.0	273.890	320.977	426.497	513.740	542.073
75.5	262.475	310.445	416.713	504.567	533.036
76.0	251.400	300.117	407.200	495.462	524.203
76.5	240.393	289.926	397.756	486.561	515.370
77.0	229.522	279.802	388.447	477.728	506.809
77.5	218.854	269.949	379.274	469.167	498.316
78.0	208.322	260.301	370.374	460.742	489.958
78.5	197.995	250.789	361.541	452.248	481.669
79.0	187.871	241.548	352.979	444.027	473.516
79.5	177.815	232.375	344.554	436.009	465.362
80.0	167.895	223.338	336.129	428.060	457.616
80.5	158.246	214.573	327.975	420.042	449.734
81.0	148.870	205.944	320.161	412.296	442.057
81.5	139.357	197.519	312.348	404.618	434.379
82.0	130.184	189.298	304.738	397.212	426.973
82.5	121.216	181.212	297.264	389.806	419.702

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83.0	112.383	173.330	289.926	382.672	412.636
83.5	103.618	165.652	282.927	375.402	405.298
84.0	95.056	158.178	276.132	368.539	398.299
84.5	86.563	150.976	269.474	361.744	391.437
85.0	78.410	143.978	262.951	355.018	384.574
85.5	70.256	137.319	256.564	348.495	377.916
86.0	62.239	130.932	250.313	342.108	371.325
86.5	54.289	124.953	244.402	335.721	364.734
87.0	46.475	119.177	238.422	329.674	358.279
87.5	38.661	113.810	232.783	323.559	352.096
88.0	30.915	108.578	227.211	317.647	345.845
88.5	23.102	103.686	221.844	311.804	339.798
89.0	15.967	99.065	216.748	306.165	333.819
89.5	10.124	94.785	211.788	300.729	327.975
90.0	6.047	90.980	207.235	295.565	322.608
90.5	4.281	87.650	203.023	290.401	316.900
91.0	4.552	84.593	198.742	285.169	311.464
91.5	5.436	81.671	194.461	280.209	306.029
92.0	6.455	79.225	190.385	275.181	300.729
92.5	7.542	77.119	186.919	270.357	295.497
93.0	8.629	75.284	183.318	265.805	290.469
93.5	9.784	73.857	179.921	261.320	285.713
94.0	11.007	72.634	176.727	257.108	281.093
94.5	12.162	71.751	173.738	252.827	276.336
95.0	13.317	71.071	170.952	248.614	271.784
95.5	14.405	70.596	168.370	244.606	267.299
96.0	15.288	70.392	166.128	240.733	262.883
96.5	16.171	70.392	163.886	237.131	258.806
97.0	16.986	70.460	161.847	233.666	254.729
97.5	17.870	70.732	159.945	230.337	250.992
98.0	18.617	71.004	158.246	227.075	247.187
98.5	19.500	71.343	156.819	223.950	243.654
99.0	20.384	71.751	155.325	221.028	240.189
99.5	21.335	72.227	154.034	218.242	236.792
100.0	22.150	72.702	153.014	215.661	233.734
100.5	23.102	73.246	151.995	213.147	230.609
101.0	23.917	73.789	151.248	210.768	227.823
101.5	24.732	74.333	150.500	208.526	224.969
102.0	25.480	74.876	149.957	206.420	222.455
102.5	26.227	75.420	149.413	204.449	219.941
103.0	26.975	76.032	149.006	202.479	217.699
103.5	27.790	76.643	148.666	200.780	215.389
104.0	28.673	77.187	148.326	199.218	213.282
104.5	29.557	77.798	148.122	197.723	211.312
105.0	30.372	78.410	147.918	196.364	209.410
105.5	31.119	78.953	147.715	194.937	207.779
106.0	32.003	79.633	147.647	193.714	206.148
106.5	32.818	80.244	147.647	192.559	204.517
107.0	33.633	80.924	147.647	191.472	203.158
107.5	34.381	81.467	147.647	190.656	201.732
108.0	35.332	82.147	147.647	189.705	200.305
108.5	36.215	82.826	147.715	189.026	199.354
109.0	37.099	83.370	147.850	188.142	198.402
109.5	38.050	83.981	147.918	187.531	197.383
110.0	39.001	84.593	148.054	186.851	196.568
110.5	39.952	85.204	148.190	186.240	195.820

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CANDELA TABULATION - (Cont.)

111.0	40.903	85.816	148.258	185.696	195.005
111.5	41.855	86.359	148.326	185.289	194.326
112.0	42.874	86.971	148.462	184.881	193.510
112.5	43.893	87.582	148.598	184.405	192.763
113.0	44.980	88.194	148.802	184.066	192.423
113.5	45.999	88.737	148.802	183.726	191.947
114.0	47.087	89.281	148.938	183.454	191.472
114.5	48.106	89.893	149.073	183.114	191.064
115.0	49.193	90.368	149.209	182.911	190.724
115.5	50.280	90.980	149.209	182.707	190.385
116.0	51.299	91.523	149.413	182.435	189.977
116.5	52.250	92.067	149.549	182.163	189.841
117.0	53.338	92.678	149.685	182.163	189.501
117.5	54.357	93.154	149.821	181.891	189.298
118.0	55.240	93.630	149.957	181.755	189.026
118.5	56.259	94.105	150.025	181.552	188.958
119.0	57.143	94.581	150.161	181.348	188.550
119.5	58.094	94.921	150.297	181.144	188.482
120.0	58.977	95.260	150.229	181.008	188.142
120.5	59.860	95.668	150.297	180.736	188.074
121.0	60.744	95.940	150.432	180.532	187.803
121.5	61.695	96.279	150.364	180.261	187.667
122.0	62.578	96.687	150.364	180.125	187.463
122.5	63.462	97.095	150.432	179.853	186.987
123.0	64.345	97.502	150.364	179.581	186.919
123.5	65.160	97.842	150.229	179.377	186.512
124.0	65.840	98.114	150.229	179.174	186.444
124.5	66.519	98.386	150.229	178.834	186.172
125.0	67.199	98.726	150.093	178.494	185.900
125.5	67.878	98.929	149.957	178.290	185.560
126.0	68.490	99.201	149.889	177.883	185.289
126.5	69.033	99.541	149.753	177.611	185.085
127.0	69.645	99.677	149.617	177.271	184.813
127.5	70.120	99.881	149.413	176.931	184.337
128.0	70.732	99.881	149.345	176.524	184.066
128.5	71.207	100.016	149.073	176.184	183.794
129.0	71.683	100.152	148.802	175.844	183.454
129.5	72.091	100.356	148.326	175.301	183.046
130.0	72.430	100.492	147.850	174.961	182.639
130.5	72.770	100.628	147.307	174.553	182.163
131.0	72.974	100.832	146.763	173.942	181.688
131.5	73.246	101.036	146.220	173.398	181.212
132.0	73.518	101.240	145.608	173.058	180.804
132.5	73.653	101.307	144.929	172.379	180.193
133.0	73.857	101.375	144.657	171.767	179.445
133.5	73.925	101.307	144.249	171.292	179.106
134.0	73.993	101.172	143.978	170.748	178.630
134.5	74.197	100.900	143.638	170.137	177.747
135.0	74.401	100.696	143.230	169.321	177.067
135.5	74.333	100.152	142.890	168.778	176.524
136.0	74.469	100.084	142.415	168.098	175.844
136.5	74.605	99.881	142.075	167.351	175.165
137.0	74.673	99.541	141.531	166.739	174.417
137.5	74.741	99.201	141.056	165.924	173.738
138.0	74.876	98.997	140.376	165.245	172.923
138.5	74.876	98.726	139.493	164.497	172.311

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CANDELA TABULATION - (Cont.)

139.0	74.809	98.522	138.474	163.614	171.360
139.5	74.809	98.250	137.251	162.663	170.680
140.0	74.809	97.910	135.892	161.779	169.729
140.5	74.809	97.706	134.669	160.692	168.710
141.0	74.809	97.570	133.310	159.537	167.895
141.5	74.809	97.299	131.951	158.518	167.079
142.0	74.741	97.163	130.660	157.227	166.196
142.5	74.673	96.959	129.301	156.072	165.177
143.0	74.605	96.755	128.010	154.985	164.157
143.5	74.605	96.483	126.515	153.830	163.206
144.0	74.605	96.144	125.224	152.946	162.119
144.5	74.809	95.872	123.933	151.927	161.168
145.0	75.080	95.600	122.507	151.044	160.081
145.5	75.556	95.260	121.216	150.161	158.994
146.0	76.167	94.988	119.993	149.209	157.974
146.5	76.779	94.717	118.973	148.190	156.819
147.0	77.390	94.377	117.818	147.171	155.664
147.5	77.934	94.241	116.935	146.152	154.509
148.0	78.546	93.969	115.984	144.997	153.286
148.5	79.089	93.901	115.236	143.910	152.063
149.0	79.769	93.901	114.421	142.822	150.976
149.5	80.244	94.105	113.674	141.667	149.617
150.0	80.788	94.241	112.926	140.580	148.190
150.5	81.263	94.309	112.111	139.357	146.695
151.0	81.603	94.513	111.024	138.134	144.929
151.5	81.943	94.581	109.869	136.843	143.298
152.0	82.351	94.717	108.782	135.484	141.667
152.5	82.758	94.853	107.762	134.057	139.901
153.0	83.030	94.921	106.675	132.427	138.474
153.5	83.370	95.124	105.520	130.728	136.843
154.0	83.642	95.056	104.501	128.826	135.484
154.5	83.981	95.124	103.618	126.991	134.125
155.0	84.117	95.260	102.734	124.885	133.106
155.5	84.389	95.328	101.851	122.914	132.019
156.0	84.593	95.328	101.240	120.808	131.068
156.5	84.932	95.328	100.628	118.702	129.845
157.0	85.068	95.464	100.016	116.799	128.690
157.5	85.272	95.464	99.609	114.965	127.399
158.0	85.544	95.396	99.405	113.062	126.176
158.5	85.612	95.396	99.133	111.499	124.749
159.0	85.952	95.192	98.929	110.005	123.526
159.5	86.223	95.056	98.590	108.578	122.167
160.0	86.563	94.921	98.250	107.423	120.808
160.5	86.971	94.853	97.978	106.335	119.517
161.0	87.243	94.649	97.910	105.180	118.226
161.5	87.650	94.581	97.774	104.025	117.275
162.0	87.990	94.445	97.978	103.074	116.459
162.5	88.330	94.445	98.114	102.055	115.508
163.0	88.737	94.377	98.182	100.968	114.693
163.5	89.077	94.377	98.318	99.813	113.674
164.0	89.213	94.377	98.454	98.386	112.722
164.5	89.417	94.241	98.318	97.299	111.499
165.0	89.621	94.241	98.114	96.212	110.276
165.5	89.825	94.173	97.910	95.464	108.985
166.0	90.028	94.105	97.774	94.649	107.015
166.5	90.232	94.105	97.570	93.969	106.064

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	90.504	94.105	97.367	93.358	105.316
167.5	90.640	94.105	96.959	92.814	104.569
168.0	90.844	94.105	96.619	92.271	103.957
168.5	91.251	93.833	96.144	91.795	103.210
169.0	91.455	93.901	95.804	91.319	102.463
169.5	91.795	93.698	95.260	90.776	101.647
170.0	91.931	93.630	94.785	90.096	100.900
170.5	92.135	93.494	94.173	89.349	100.084
171.0	92.271	93.358	93.494	88.534	99.065
171.5	92.474	93.358	92.882	87.786	98.250
172.0	92.814	93.222	92.542	87.039	97.027
172.5	93.018	93.222	92.135	86.223	95.668
173.0	93.290	93.086	91.795	85.476	93.358
173.5	93.630	93.154	91.659	84.729	89.893
174.0	93.901	93.154	91.591	84.117	85.612
174.5	94.105	93.154	91.455	83.506	80.516
175.0	94.513	93.358	91.387	83.030	74.741
175.5	94.649	93.426	91.319	82.826	68.693
176.0	94.921	93.562	91.319	82.622	64.753
176.5	94.988	93.630	91.251	82.622	61.967
177.0	95.260	93.765	91.116	82.418	59.113
177.5	95.328	93.765	90.912	82.351	58.501
178.0	95.600	93.901	90.844	82.283	58.637
178.5	95.736	93.969	90.912	82.147	58.773
179.0	95.872	93.969	90.844	81.943	58.841
179.5	96.008	93.969	90.776	81.875	58.909
180.0	86.088	86.088	86.088	86.088	86.088

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	777.90	N.A.	11.70
0-30	1629.96	N.A.	24.50
0-40	2618.3	N.A.	39.40
0-60	4431.13	N.A.	66.70
0-80	5520.39	N.A.	83.10
0-90	5794.34	N.A.	87.30
10-90	5591.54	N.A.	84.20
20-40	1840.4	N.A.	27.70
20-50	2813.68	N.A.	42.40
40-70	2458.59	N.A.	37.00
60-80	1089.27	N.A.	16.40
70-80	443.51	N.A.	6.70
80-90	273.95	N.A.	4.10
90-110	319.97	N.A.	4.80
90-120	454.68	N.A.	6.80
90-130	578.65	N.A.	8.70
90-150	759.67	N.A.	11.40
90-180	846.20	N.A.	12.70
110-180	526.23	N.A.	7.90
0-180	6640.54	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	202.80
10-20	575.10
20-30	852.06
30-40	988.34
40-50	973.27
50-60	839.56
60-70	645.76
70-80	443.51
80-90	273.95
90-100	175.52
100-110	144.45
110-120	134.71
120-130	123.98
130-140	104.18
140-150	76.83
150-160	50.23
160-170	27.68
170-180	8.62

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L85-930-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-L85-930-DIM-UNV_.IES

UGR TABLE - CORRECTED

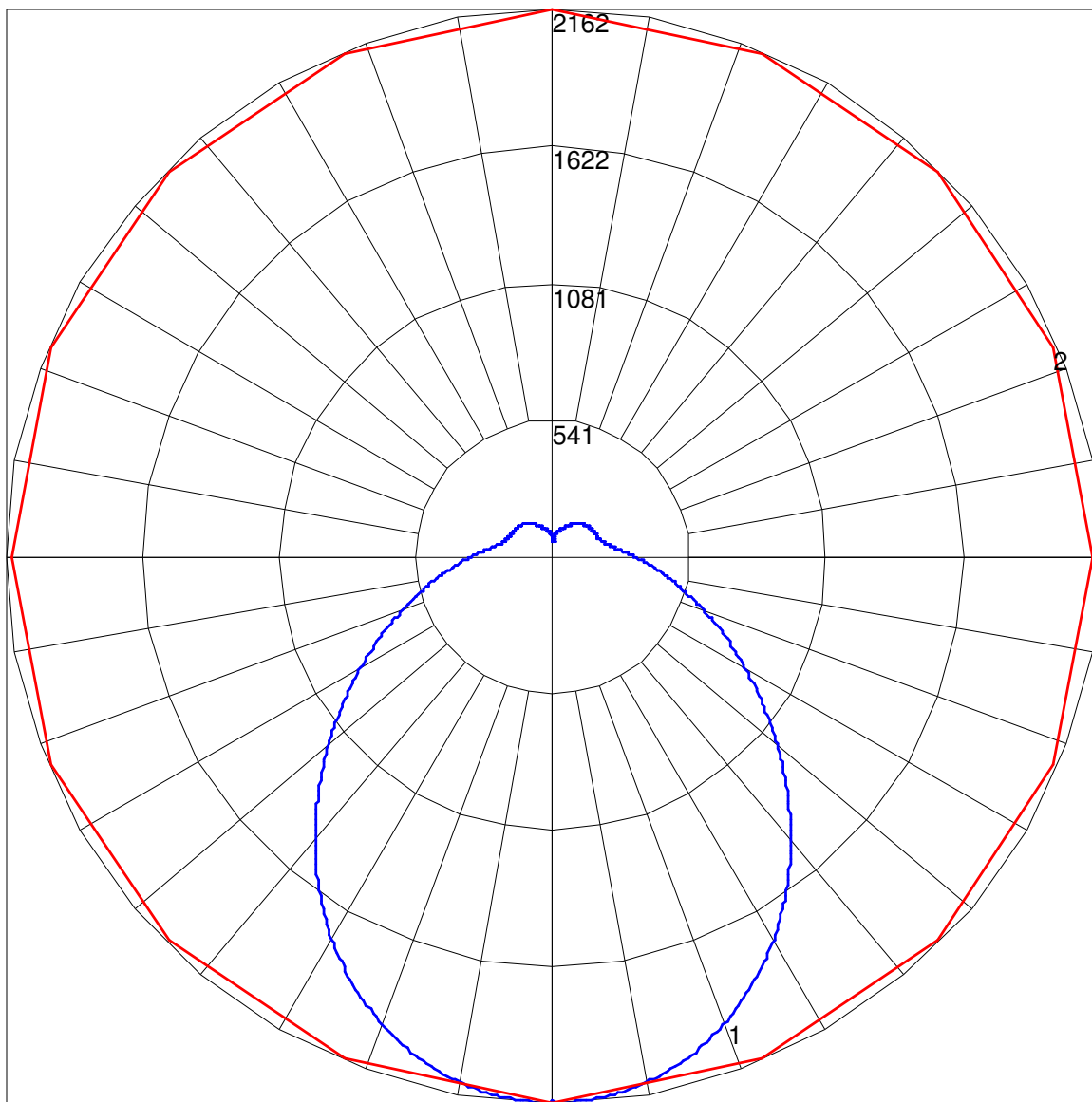
Reflectances

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	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
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 = 2162.041 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.)