

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L65-827-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-L65-827-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	5814
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	42.3
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	12757	11427	11315
55	11047	9783	9933
65	9286	8379	8852
75	7448	7319	8274
85	5463	7200	8742

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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	1881.741	1881.741	1881.741	1881.741	1881.741
0.5	1872.817	1879.956	1881.146	1880.551	1893.044
1.0	1872.817	1880.551	1880.551	1879.956	1892.449
1.5	1871.032	1880.551	1879.956	1879.361	1893.044
2.0	1870.437	1878.766	1879.956	1878.766	1891.259
2.5	1870.437	1878.766	1878.171	1878.171	1890.069
3.0	1868.652	1876.981	1876.981	1876.981	1888.880
3.5	1867.462	1875.196	1875.196	1875.791	1887.690
4.0	1866.273	1874.007	1874.007	1873.412	1886.500
4.5	1863.298	1872.222	1872.817	1872.222	1884.715
5.0	1861.513	1870.437	1870.437	1870.437	1882.930
5.5	1859.134	1868.057	1868.057	1868.652	1880.551
6.0	1857.944	1865.083	1865.678	1865.678	1878.171
6.5	1853.779	1862.703	1863.298	1863.298	1875.196
7.0	1851.400	1859.728	1860.323	1859.728	1872.817
7.5	1849.020	1856.159	1857.349	1857.349	1869.842
8.0	1846.045	1853.779	1853.779	1853.779	1865.678
8.5	1843.071	1849.615	1850.805	1850.805	1862.108
9.0	1838.311	1846.640	1847.235	1846.640	1857.944
9.5	1835.337	1842.476	1842.476	1842.476	1855.564
10.0	1830.577	1837.716	1837.716	1838.906	1850.805
10.5	1826.413	1833.552	1834.147	1834.147	1846.640
11.0	1822.248	1829.387	1829.982	1829.387	1841.881
11.5	1816.894	1824.628	1825.818	1824.628	1837.716
12.0	1812.135	1819.274	1820.464	1820.464	1832.362
12.5	1807.375	1813.919	1815.704	1814.514	1827.603
13.0	1802.021	1809.160	1810.350	1809.755	1822.248
13.5	1796.667	1803.211	1804.401	1804.401	1817.489
14.0	1790.122	1797.262	1798.451	1798.451	1810.945
14.5	1784.768	1791.312	1792.502	1792.502	1806.185
15.0	1779.414	1785.363	1785.958	1785.958	1799.046
15.5	1772.870	1778.224	1780.009	1780.009	1791.907
16.0	1765.731	1771.680	1773.465	1773.465	1785.958
16.5	1759.781	1764.541	1766.326	1766.920	1779.414
17.0	1751.452	1756.807	1759.186	1759.781	1772.275
17.5	1744.313	1749.668	1752.047	1752.642	1765.136
18.0	1737.769	1742.529	1744.313	1746.098	1758.592
18.5	1730.035	1735.390	1737.174	1738.364	1750.858
19.0	1722.301	1726.466	1729.440	1730.630	1742.529
19.5	1713.377	1719.327	1721.706	1724.086	1734.795
20.0	1703.859	1710.403	1713.377	1715.162	1726.466
20.5	1694.340	1702.669	1705.049	1707.428	1718.732
21.0	1686.606	1693.150	1694.935	1699.694	1710.403
21.5	1677.682	1684.226	1687.201	1689.581	1701.479
22.0	1668.163	1675.897	1678.872	1681.252	1693.745
22.5	1659.834	1665.189	1669.353	1672.923	1684.821
23.0	1649.721	1655.670	1659.834	1663.404	1675.302
23.5	1639.012	1645.556	1650.911	1654.480	1666.379
24.0	1628.303	1635.443	1640.797	1644.961	1656.860
24.5	1619.380	1625.329	1631.278	1634.848	1646.151
25.0	1609.266	1615.215	1621.759	1625.329	1636.632
25.5	1597.962	1605.102	1610.456	1615.810	1625.329
26.0	1587.254	1593.798	1600.937	1605.696	1616.405
26.5	1575.950	1582.494	1590.823	1594.988	1606.291

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CANDELA TABULATION - (Cont.)

27.0	1564.647	1570.596	1580.710	1586.064	1596.178
27.5	1551.558	1559.292	1569.406	1574.166	1586.064
28.0	1542.040	1547.989	1558.103	1563.457	1574.760
28.5	1529.546	1536.685	1546.799	1552.153	1563.457
29.0	1517.648	1524.787	1534.901	1541.445	1552.748
29.5	1505.154	1512.294	1523.002	1529.546	1540.850
30.0	1492.661	1500.395	1511.104	1519.433	1530.736
30.5	1479.573	1487.307	1499.800	1508.129	1518.838
31.0	1467.079	1474.813	1487.307	1496.231	1506.344
31.5	1453.991	1462.915	1475.408	1484.927	1495.636
32.0	1441.498	1449.232	1463.510	1472.434	1483.142
32.5	1427.815	1436.143	1451.017	1460.535	1471.244
33.0	1414.726	1423.650	1437.333	1448.637	1459.345
33.5	1402.233	1410.562	1425.435	1435.549	1446.852
34.0	1387.360	1396.879	1412.347	1423.650	1435.549
34.5	1373.677	1383.790	1399.853	1410.562	1422.460
35.0	1361.183	1369.512	1387.360	1398.663	1409.967
35.5	1345.120	1356.424	1373.677	1385.575	1396.879
36.0	1332.627	1342.146	1360.588	1372.487	1384.385
36.5	1317.159	1327.868	1346.905	1359.993	1372.487
37.0	1302.881	1314.184	1333.222	1346.310	1359.993
37.5	1288.008	1299.311	1320.134	1334.412	1346.310
38.0	1273.135	1285.033	1305.855	1320.728	1332.032
38.5	1257.667	1270.160	1292.172	1308.235	1318.944
39.0	1243.983	1255.287	1277.894	1294.552	1308.235
39.5	1228.515	1241.604	1264.211	1280.869	1293.957
40.0	1211.858	1226.136	1249.933	1268.375	1280.274
40.5	1196.390	1211.263	1236.249	1255.287	1267.185
41.0	1182.111	1196.390	1221.971	1241.604	1253.502
41.5	1166.643	1181.517	1207.693	1227.920	1240.414
42.0	1151.175	1166.643	1193.415	1214.832	1227.326
42.5	1136.302	1151.175	1178.542	1201.149	1213.642
43.0	1119.645	1136.302	1164.859	1188.061	1200.554
43.5	1105.366	1120.834	1149.986	1174.377	1187.466
44.0	1089.304	1105.366	1135.113	1161.289	1173.783
44.5	1074.430	1090.493	1120.239	1147.011	1160.099
45.0	1058.962	1075.025	1105.961	1134.518	1147.606
45.5	1043.494	1060.152	1091.683	1121.429	1134.518
46.0	1028.026	1044.684	1076.215	1107.151	1120.834
46.5	1012.558	1029.216	1063.127	1095.253	1107.746
47.0	996.496	1014.343	1048.254	1080.975	1094.658
47.5	981.028	998.875	1033.381	1067.291	1080.975
48.0	966.154	983.407	1018.508	1054.798	1067.291
48.5	949.497	968.534	1004.824	1040.520	1054.203
49.0	934.624	952.471	989.356	1026.837	1040.520
49.5	919.156	937.598	975.078	1013.748	1027.432
50.0	903.093	922.130	960.800	999.470	1013.748
50.5	888.220	907.257	945.927	987.572	1001.255
51.0	872.752	891.789	932.839	973.888	988.167
51.5	857.879	876.321	917.966	960.800	975.078
52.0	841.816	861.448	903.688	947.117	961.990
52.5	826.348	845.980	890.004	933.434	949.497
53.0	810.285	831.107	875.726	921.535	935.813
53.5	794.817	816.234	862.043	907.852	923.320
54.0	779.944	801.361	848.360	894.764	910.827
54.5	765.666	785.893	834.677	882.865	898.333

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55.0	750.792	771.615	820.993	869.182	887.030
55.5	738.299	756.742	807.310	856.689	873.347
56.0	724.021	743.653	794.222	844.195	860.853
56.5	709.148	729.970	780.539	831.702	848.955
57.0	694.870	716.287	767.450	819.209	836.461
57.5	679.997	702.009	756.147	807.310	822.778
58.0	665.124	687.731	743.058	794.222	812.664
58.5	650.845	673.453	729.970	782.918	800.766
59.0	636.567	659.174	717.477	772.805	788.273
59.5	622.289	645.491	706.173	760.311	778.754
60.0	608.011	631.213	693.680	748.413	766.855
60.5	594.030	617.530	681.187	737.109	754.957
61.0	579.990	603.847	668.693	725.806	743.653
61.5	566.069	590.282	656.200	714.502	732.945
62.0	552.386	576.837	644.301	703.794	721.641
62.5	538.881	563.511	631.808	693.085	710.933
63.0	525.198	550.244	619.909	681.781	701.414
63.5	511.634	537.156	608.606	671.073	690.705
64.0	498.426	524.246	596.707	659.769	679.997
64.5	485.278	511.634	585.404	649.061	669.288
65.0	472.250	498.962	574.041	638.352	659.174
65.5	459.399	486.587	562.797	627.643	648.466
66.0	446.371	474.213	551.672	616.935	638.352
66.5	433.639	462.136	540.606	606.821	628.238
67.0	421.205	450.178	529.600	596.113	618.125
67.5	408.712	438.399	518.832	586.118	608.011
68.0	396.397	426.917	508.123	576.004	598.492
68.5	384.261	415.494	497.653	566.188	588.557
69.0	372.184	404.190	487.301	556.312	579.157
69.5	360.285	393.125	477.069	546.734	569.817
70.0	348.446	382.238	467.014	537.334	560.536
70.5	336.905	371.470	456.960	527.934	551.374
71.0	325.482	360.821	447.084	518.654	542.332
71.5	314.179	350.409	437.447	509.611	533.408
72.0	303.113	339.939	427.809	500.627	524.722
72.5	291.988	329.825	418.409	491.823	516.095
73.0	281.160	319.771	409.069	483.137	507.410
73.5	270.630	309.836	400.026	474.510	498.962
74.0	260.219	300.198	390.864	466.181	490.454
74.5	249.987	290.501	382.119	457.912	482.423
75.0	239.813	281.041	373.433	449.821	474.629
75.5	229.819	271.820	364.866	441.790	466.717
76.0	220.121	262.777	356.537	433.818	458.983
76.5	210.484	253.854	348.268	426.024	451.249
77.0	200.965	244.989	340.117	418.290	443.753
77.5	191.625	236.363	332.086	410.794	436.316
78.0	182.403	227.915	324.292	403.417	428.999
78.5	173.360	219.586	316.558	395.981	421.741
79.0	164.496	211.495	309.062	388.782	414.602
79.5	155.691	203.464	301.685	381.762	407.463
80.0	147.005	195.551	294.308	374.801	400.680
80.5	138.558	187.877	287.169	367.781	393.779
81.0	130.348	180.321	280.328	360.999	387.057
81.5	122.019	172.944	273.486	354.276	380.334
82.0	113.987	165.745	266.823	347.792	373.849
82.5	106.134	158.666	260.279	341.307	367.484

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CANDELA TABULATION - (Cont.)

83.0	98.400	151.765	253.854	335.060	361.297
83.5	90.726	145.042	247.726	328.695	354.871
84.0	83.230	138.498	241.777	322.686	348.744
84.5	75.793	132.192	235.946	316.737	342.735
85.0	68.654	126.064	230.235	310.847	336.726
85.5	61.515	120.234	224.643	305.136	330.896
86.0	54.495	114.642	219.170	299.544	325.125
86.5	47.534	109.406	213.994	293.951	319.355
87.0	40.693	104.349	208.758	288.657	313.703
87.5	33.851	99.650	203.821	283.302	308.289
88.0	27.069	95.069	198.942	278.126	302.816
88.5	20.227	90.785	194.242	273.010	297.521
89.0	13.981	86.740	189.780	268.072	292.286
89.5	8.864	82.992	185.437	263.313	287.169
90.0	5.295	79.660	181.451	258.791	282.469
90.5	3.748	76.745	177.763	254.270	277.472
91.0	3.986	74.068	174.015	249.689	272.713
91.5	4.759	71.510	170.267	245.346	267.953
92.0	5.652	69.368	166.697	240.944	263.313
92.5	6.604	67.524	163.663	236.720	258.732
93.0	7.556	65.917	160.510	232.734	254.329
93.5	8.567	64.668	157.536	228.807	250.165
94.0	9.638	63.597	154.739	225.119	246.120
94.5	10.649	62.824	152.122	221.371	241.955
95.0	11.660	62.229	149.683	217.682	237.969
95.5	12.612	61.812	147.422	214.172	234.043
96.0	13.386	61.634	145.459	210.781	230.176
96.5	14.159	61.634	143.495	207.628	226.606
97.0	14.873	61.693	141.711	204.594	223.037
97.5	15.646	61.931	140.045	201.679	219.764
98.0	16.301	62.169	138.558	198.823	216.433
98.5	17.074	62.467	137.308	196.087	213.339
99.0	17.848	62.824	135.999	193.528	210.305
99.5	18.681	63.240	134.869	191.089	207.331
100.0	19.394	63.657	133.977	188.828	204.653
100.5	20.227	64.133	133.084	186.627	201.917
101.0	20.941	64.609	132.430	184.545	199.478
101.5	21.655	65.085	131.775	182.582	196.979
102.0	22.310	65.560	131.299	180.738	194.778
102.5	22.964	66.036	130.824	179.012	192.576
103.0	23.618	66.572	130.467	177.287	190.613
103.5	24.332	67.107	130.169	175.800	188.591
104.0	25.106	67.583	129.872	174.431	186.746
104.5	25.879	68.119	129.693	173.123	185.021
105.0	26.593	68.654	129.515	171.933	183.355
105.5	27.247	69.130	129.336	170.683	181.927
106.0	28.021	69.725	129.277	169.612	180.500
106.5	28.735	70.260	129.277	168.601	179.072
107.0	29.449	70.855	129.277	167.649	177.882
107.5	30.103	71.331	129.277	166.935	176.633
108.0	30.936	71.926	129.277	166.102	175.383
108.5	31.709	72.521	129.336	165.508	174.550
109.0	32.483	72.997	129.455	164.734	173.717
109.5	33.316	73.532	129.515	164.199	172.825
110.0	34.149	74.068	129.634	163.604	172.111
110.5	34.981	74.603	129.753	163.068	171.457

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CANDELA TABULATION - (Cont.)

111.0	35.814	75.139	129.812	162.592	170.743
111.5	36.647	75.615	129.872	162.235	170.148
112.0	37.540	76.150	129.991	161.878	169.434
112.5	38.432	76.686	130.110	161.462	168.780
113.0	39.384	77.221	130.288	161.165	168.482
113.5	40.276	77.697	130.288	160.867	168.066
114.0	41.228	78.173	130.407	160.629	167.649
114.5	42.121	78.708	130.526	160.332	167.292
115.0	43.072	79.125	130.645	160.153	166.995
115.5	44.024	79.660	130.645	159.975	166.697
116.0	44.917	80.136	130.824	159.737	166.340
116.5	45.750	80.612	130.942	159.499	166.221
117.0	46.701	81.147	131.061	159.499	165.924
117.5	47.594	81.564	131.180	159.261	165.745
118.0	48.367	81.980	131.299	159.142	165.508
118.5	49.260	82.397	131.359	158.963	165.448
119.0	50.033	82.813	131.478	158.785	165.091
119.5	50.866	83.111	131.597	158.606	165.032
120.0	51.639	83.408	131.537	158.487	164.734
120.5	52.413	83.765	131.597	158.249	164.675
121.0	53.186	84.003	131.716	158.071	164.437
121.5	54.019	84.301	131.656	157.833	164.318
122.0	54.792	84.658	131.656	157.714	164.139
122.5	55.566	85.014	131.716	157.476	163.723
123.0	56.339	85.371	131.656	157.238	163.663
123.5	57.053	85.669	131.537	157.060	163.306
124.0	57.648	85.907	131.537	156.881	163.247
124.5	58.243	86.145	131.537	156.584	163.009
125.0	58.838	86.442	131.418	156.286	162.771
125.5	59.433	86.621	131.299	156.108	162.473
126.0	59.968	86.859	131.240	155.751	162.235
126.5	60.444	87.156	131.121	155.513	162.057
127.0	60.980	87.275	131.002	155.215	161.819
127.5	61.396	87.454	130.824	154.918	161.403
128.0	61.931	87.454	130.764	154.561	161.165
128.5	62.348	87.573	130.526	154.263	160.927
129.0	62.764	87.692	130.288	153.966	160.629
129.5	63.121	87.870	129.872	153.490	160.272
130.0	63.419	87.989	129.455	153.193	159.915
130.5	63.716	88.108	128.979	152.836	159.499
131.0	63.895	88.287	128.503	152.300	159.082
131.5	64.133	88.465	128.027	151.824	158.666
132.0	64.371	88.643	127.492	151.527	158.309
132.5	64.490	88.703	126.897	150.932	157.774
133.0	64.668	88.762	126.659	150.396	157.119
133.5	64.728	88.703	126.302	149.980	156.822
134.0	64.787	88.584	126.064	149.504	156.405
134.5	64.966	88.346	125.767	148.969	155.632
135.0	65.144	88.168	125.410	148.255	155.037
135.5	65.085	87.692	125.112	147.779	154.561
136.0	65.204	87.632	124.696	147.184	153.966
136.5	65.323	87.454	124.398	146.529	153.371
137.0	65.382	87.156	123.922	145.994	152.717
137.5	65.441	86.859	123.506	145.280	152.122
138.0	65.560	86.680	122.911	144.685	151.408
138.5	65.560	86.442	122.138	144.031	150.872

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

139.0	65.501	86.264	121.245	143.257	150.040
139.5	65.501	86.026	120.174	142.424	149.445
140.0	65.501	85.728	118.985	141.651	148.612
140.5	65.501	85.550	117.914	140.699	147.719
141.0	65.501	85.431	116.724	139.688	147.005
141.5	65.501	85.193	115.534	138.795	146.291
142.0	65.441	85.074	114.404	137.665	145.518
142.5	65.382	84.895	113.214	136.654	144.626
143.0	65.323	84.717	112.083	135.702	143.733
143.5	65.323	84.479	110.775	134.691	142.900
144.0	65.323	84.182	109.644	133.917	141.949
144.5	65.501	83.944	108.514	133.025	141.116
145.0	65.739	83.706	107.265	132.251	140.164
145.5	66.155	83.408	106.134	131.478	139.212
146.0	66.691	83.170	105.063	130.645	138.320
146.5	67.226	82.932	104.171	129.753	137.308
147.0	67.762	82.635	103.160	128.860	136.297
147.5	68.238	82.516	102.386	127.968	135.285
148.0	68.773	82.278	101.553	126.957	134.215
148.5	69.249	82.218	100.899	126.005	133.144
149.0	69.844	82.218	100.185	125.053	132.192
149.5	70.260	82.397	99.531	124.041	131.002
150.0	70.736	82.516	98.876	123.090	129.753
150.5	71.153	82.575	98.162	122.019	128.444
151.0	71.450	82.754	97.210	120.948	126.897
151.5	71.748	82.813	96.199	119.817	125.469
152.0	72.105	82.932	95.247	118.628	124.041
152.5	72.462	83.051	94.355	117.378	122.495
153.0	72.700	83.111	93.403	115.950	121.245
153.5	72.997	83.289	92.391	114.463	119.817
154.0	73.235	83.230	91.499	112.797	118.628
154.5	73.532	83.289	90.726	111.191	117.438
155.0	73.651	83.408	89.952	109.347	116.545
155.5	73.889	83.468	89.179	107.622	115.593
156.0	74.068	83.468	88.643	105.777	114.761
156.5	74.365	83.468	88.108	103.933	113.690
157.0	74.484	83.587	87.573	102.267	112.678
157.5	74.663	83.587	87.216	100.661	111.548
158.0	74.901	83.527	87.037	98.995	110.477
158.5	74.960	83.527	86.799	97.627	109.228
159.0	75.258	83.349	86.621	96.318	108.157
159.5	75.496	83.230	86.323	95.069	106.967
160.0	75.793	83.111	86.026	94.057	105.777
160.5	76.150	83.051	85.788	93.105	104.647
161.0	76.388	82.873	85.728	92.094	103.517
161.5	76.745	82.813	85.609	91.083	102.684
162.0	77.042	82.694	85.788	90.250	101.970
162.5	77.340	82.694	85.907	89.357	101.137
163.0	77.697	82.635	85.966	88.406	100.423
163.5	77.994	82.635	86.085	87.394	99.531
164.0	78.113	82.635	86.204	86.145	98.698
164.5	78.292	82.516	86.085	85.193	97.627
165.0	78.470	82.516	85.907	84.241	96.556
165.5	78.649	82.456	85.728	83.587	95.426
166.0	78.827	82.397	85.609	82.873	93.700
166.5	79.006	82.397	85.431	82.278	92.867

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	79.244	82.397	85.252	81.742	92.213
167.5	79.363	82.397	84.895	81.266	91.559
168.0	79.541	82.397	84.598	80.791	91.023
168.5	79.898	82.159	84.182	80.374	90.369
169.0	80.077	82.218	83.884	79.958	89.714
169.5	80.374	82.040	83.408	79.482	89.000
170.0	80.493	81.980	82.992	78.887	88.346
170.5	80.672	81.861	82.456	78.232	87.632
171.0	80.791	81.742	81.861	77.518	86.740
171.5	80.969	81.742	81.326	76.864	86.026
172.0	81.266	81.623	81.028	76.210	84.955
172.5	81.445	81.623	80.672	75.496	83.765
173.0	81.683	81.504	80.374	74.841	81.742
173.5	81.980	81.564	80.255	74.187	78.708
174.0	82.218	81.564	80.196	73.651	74.960
174.5	82.397	81.564	80.077	73.116	70.498
175.0	82.754	81.742	80.017	72.700	65.441
175.5	82.873	81.802	79.958	72.521	60.147
176.0	83.111	81.921	79.958	72.343	56.696
176.5	83.170	81.980	79.898	72.343	54.257
177.0	83.408	82.099	79.779	72.164	51.758
177.5	83.468	82.099	79.601	72.105	51.223
178.0	83.706	82.218	79.541	72.045	51.342
178.5	83.825	82.278	79.601	71.926	51.461
179.0	83.944	82.278	79.541	71.748	51.520
179.5	84.063	82.278	79.482	71.688	51.580
180.0	75.377	75.377	75.377	75.377	75.377

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L65-827-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	681.11	N.A.	11.70
0-30	1427.16	N.A.	24.50
0-40	2292.53	N.A.	39.40
0-60	3879.81	N.A.	66.70
0-80	4833.56	N.A.	83.10
0-90	5073.42	N.A.	87.30
10-90	4895.85	N.A.	84.20
20-40	1611.42	N.A.	27.70
20-50	2463.6	N.A.	42.40
40-70	2152.69	N.A.	37.00
60-80	953.74	N.A.	16.40
70-80	388.33	N.A.	6.70
80-90	239.86	N.A.	4.10
90-110	280.16	N.A.	4.80
90-120	398.11	N.A.	6.80
90-130	506.66	N.A.	8.70
90-150	665.15	N.A.	11.40
90-180	740.92	N.A.	12.70
110-180	460.75	N.A.	7.90
0-180	5814.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	177.57
10-20	503.54
20-30	746.05
30-40	865.37
40-50	852.18
50-60	735.10
60-70	565.41
70-80	388.33
80-90	239.86
90-100	153.68
100-110	126.48
110-120	117.95
120-130	108.55
130-140	91.22
140-150	67.27
150-160	43.98
160-170	24.23
170-180	7.55

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L65-827-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-L65-827-DIM-UNV_.IES

UGR TABLE - CORRECTED

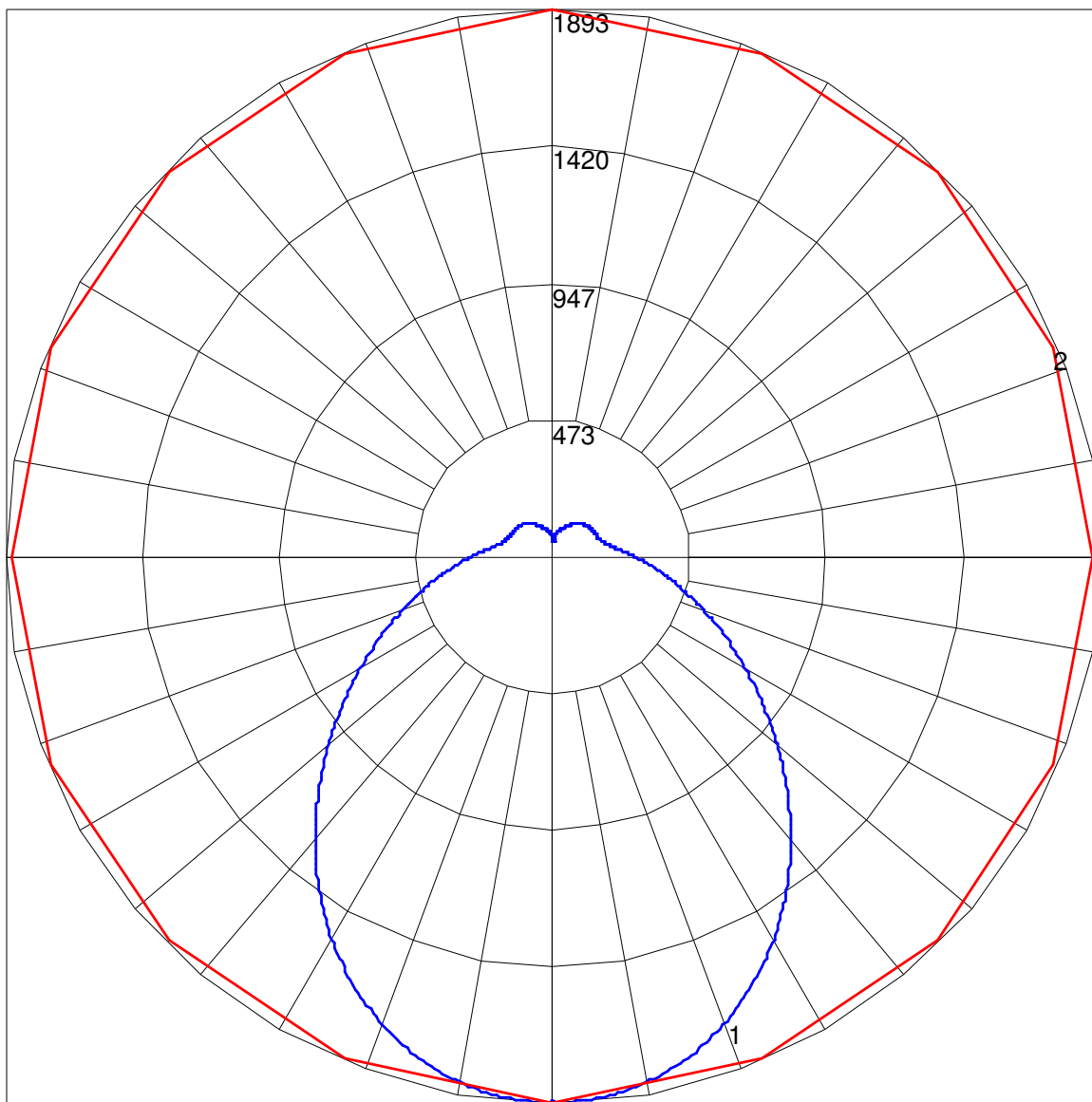
Reflectances

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	17.9	19.3	18.5	19.8	20.4	19.6	20.9	20.1	21.5	22.1
	3H	19.3	20.5	19.8	21.1	21.7	21.8	23.0	22.3	23.6	24.2
	4H	19.7	20.9	20.3	21.5	22.1	22.8	24.0	23.4	24.6	25.3
	6H	20.0	21.1	20.6	21.7	22.4	24.0	25.0	24.6	25.6	26.3
	8H	20.1	21.1	20.7	21.7	22.4	24.5	25.6	25.2	26.2	26.9
	12H	20.1	21.1	20.7	21.7	22.4	25.2	26.2	25.8	26.8	27.5
4H	2H	18.6	19.8	19.2	20.4	21.1	20.0	21.1	20.6	21.7	22.4
	3H	20.2	21.2	20.8	21.8	22.5	22.4	23.4	23.0	24.0	24.7
	4H	20.8	21.7	21.4	22.3	23.1	23.7	24.5	24.3	25.2	25.9
	6H	21.2	22.0	21.9	22.7	23.4	25.0	25.8	25.6	26.4	27.2
	8H	21.3	22.1	22.0	22.7	23.5	25.7	26.4	26.3	27.1	27.8
	12H	21.4	22.1	22.1	22.8	23.5	26.5	27.1	27.1	27.8	28.6
8H	4H	21.4	22.1	22.0	22.8	23.5	23.8	24.6	24.5	25.2	26.0
	6H	22.0	22.6	22.6	23.3	24.0	25.3	26.0	26.0	26.7	27.4
	8H	22.2	22.7	22.8	23.4	24.2	26.2	26.8	26.9	27.5	28.2
	12H	22.3	22.8	23.0	23.5	24.3	27.2	27.7	27.9	28.4	29.2
12H	4H	21.5	22.2	22.2	22.9	23.6	23.8	24.5	24.5	25.2	26.0
	6H	22.2	22.8	22.9	23.5	24.3	25.4	26.0	26.1	26.6	27.4
	8H	22.5	23.0	23.2	23.7	24.5	26.3	26.8	27.0	27.5	28.3

Maximum UGR = 29.2

POLAR GRAPH



Maximum Candela = 1893.044 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.)