

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L65-850-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-L65-850-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	6354
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	150
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	13941	12487	12364
55	12072	10690	10855
65	10148	9156	9674
75	8139	7998	9042
85	5970	7868	9553

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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	2056.335	2056.335	2056.335	2056.335	2056.335
0.5	2046.583	2054.385	2055.685	2055.035	2068.687
1.0	2046.583	2055.035	2055.035	2054.385	2068.037
1.5	2044.633	2055.035	2054.385	2053.734	2068.687
2.0	2043.983	2053.084	2054.385	2053.084	2066.737
2.5	2043.983	2053.084	2052.434	2052.434	2065.437
3.0	2042.032	2051.134	2051.134	2051.134	2064.136
3.5	2040.732	2049.184	2049.184	2049.834	2062.836
4.0	2039.432	2047.883	2047.883	2047.233	2061.536
4.5	2036.181	2045.933	2046.583	2045.933	2059.586
5.0	2034.231	2043.983	2043.983	2043.983	2057.635
5.5	2031.630	2041.382	2041.382	2042.032	2055.035
6.0	2030.330	2038.131	2038.782	2038.782	2052.434
6.5	2025.779	2035.531	2036.181	2036.181	2049.184
7.0	2023.179	2032.280	2032.931	2032.280	2046.583
7.5	2020.578	2028.380	2029.680	2029.680	2043.332
8.0	2017.328	2025.779	2025.779	2025.779	2038.782
8.5	2014.077	2021.228	2022.529	2022.529	2034.881
9.0	2008.876	2017.978	2018.628	2017.978	2030.330
9.5	2005.625	2013.427	2013.427	2013.427	2027.730
10.0	2000.424	2008.226	2008.226	2009.526	2022.529
10.5	1995.874	2003.675	2004.325	2004.325	2017.978
11.0	1991.323	1999.124	1999.774	1999.124	2012.777
11.5	1985.472	1993.923	1995.223	1993.923	2008.226
12.0	1980.271	1988.072	1989.372	1989.372	2002.375
12.5	1975.070	1982.221	1984.171	1982.871	1997.174
13.0	1969.219	1977.020	1978.320	1977.670	1991.323
13.5	1963.368	1970.519	1971.819	1971.819	1986.122
14.0	1956.216	1964.018	1965.318	1965.318	1978.970
14.5	1950.365	1957.516	1958.817	1958.817	1973.769
15.0	1944.514	1951.015	1951.665	1951.665	1965.968
15.5	1937.363	1943.214	1945.164	1945.164	1958.167
16.0	1929.561	1936.062	1938.013	1938.013	1951.665
16.5	1923.060	1928.261	1930.211	1930.861	1944.514
17.0	1913.958	1919.809	1922.410	1923.060	1936.713
17.5	1906.157	1912.008	1914.608	1915.258	1928.911
18.0	1899.005	1904.206	1906.157	1908.107	1921.760
18.5	1890.554	1896.405	1898.355	1899.656	1913.308
19.0	1882.102	1886.653	1889.904	1891.204	1904.206
19.5	1872.350	1878.852	1881.452	1884.053	1895.755
20.0	1861.949	1869.100	1872.350	1874.301	1886.653
20.5	1851.547	1860.648	1863.249	1865.849	1878.202
21.0	1843.095	1850.246	1852.197	1857.398	1869.100
21.5	1833.343	1840.495	1843.745	1846.346	1859.348
22.0	1822.941	1831.393	1834.643	1837.244	1850.896
22.5	1813.840	1819.691	1824.241	1828.142	1841.145
23.0	1802.787	1809.289	1813.840	1817.740	1830.743
23.5	1791.085	1798.237	1804.088	1807.988	1820.991
24.0	1779.383	1787.185	1793.036	1797.586	1810.589
24.5	1769.631	1776.132	1782.634	1786.534	1798.887
25.0	1758.579	1765.080	1772.232	1776.132	1788.485
25.5	1746.227	1754.028	1759.879	1765.731	1776.132
26.0	1734.525	1741.676	1749.477	1754.678	1766.381
26.5	1722.172	1729.324	1738.425	1742.976	1755.329

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**CANDELA TABULATION - (Cont.)**

27.0	1709.820	1716.321	1727.373	1733.224	1744.276
27.5	1695.517	1703.969	1715.021	1720.222	1733.224
28.0	1685.115	1691.617	1702.669	1708.520	1720.872
28.5	1671.463	1679.264	1690.316	1696.167	1708.520
29.0	1658.460	1666.262	1677.314	1684.465	1696.818
29.5	1644.808	1652.609	1664.312	1671.463	1683.815
30.0	1631.155	1639.607	1651.309	1660.411	1672.763
30.5	1616.853	1625.304	1638.957	1648.058	1659.761
31.0	1603.200	1611.652	1625.304	1635.056	1646.108
31.5	1588.897	1598.649	1612.302	1622.704	1634.406
32.0	1575.245	1583.696	1599.299	1609.051	1620.753
32.5	1560.292	1569.394	1585.647	1596.049	1607.751
33.0	1545.989	1555.741	1570.694	1583.046	1594.749
33.5	1532.337	1541.439	1557.692	1568.744	1581.096
34.0	1516.084	1526.486	1543.389	1555.741	1568.744
34.5	1501.131	1512.183	1529.736	1541.439	1554.441
35.0	1487.478	1496.580	1516.084	1528.436	1540.788
35.5	1469.925	1482.277	1501.131	1514.133	1526.486
36.0	1456.273	1466.675	1486.828	1499.831	1512.833
36.5	1439.369	1451.072	1471.876	1486.178	1499.831
37.0	1423.766	1436.119	1456.923	1471.225	1486.178
37.5	1407.513	1419.866	1442.620	1458.223	1471.225
38.0	1391.260	1404.263	1427.017	1443.270	1455.622
38.5	1374.357	1388.010	1412.064	1429.618	1441.320
39.0	1359.404	1371.757	1396.461	1414.665	1429.618
39.5	1342.501	1356.804	1381.509	1399.712	1414.015
40.0	1324.298	1339.901	1365.906	1386.059	1399.062
40.5	1307.395	1323.648	1350.953	1371.757	1384.759
41.0	1291.792	1307.395	1335.350	1356.804	1369.806
41.5	1274.889	1291.142	1319.747	1341.851	1355.504
42.0	1257.985	1274.889	1304.144	1327.548	1341.201
42.5	1241.732	1257.985	1287.891	1312.596	1326.248
43.0	1223.529	1241.732	1272.938	1298.293	1311.946
43.5	1207.926	1224.829	1256.685	1283.340	1297.643
44.0	1190.373	1207.926	1240.432	1269.038	1282.690
44.5	1174.120	1191.673	1224.179	1253.435	1267.737
45.0	1157.217	1174.770	1208.576	1239.782	1254.085
45.5	1140.313	1158.517	1192.973	1225.479	1239.782
46.0	1123.410	1141.614	1176.070	1209.876	1224.829
46.5	1106.507	1124.711	1161.767	1196.874	1210.527
47.0	1088.954	1108.457	1145.514	1181.271	1196.224
47.5	1072.051	1091.554	1129.261	1166.318	1181.271
48.0	1055.798	1074.651	1113.008	1152.666	1166.318
48.5	1037.594	1058.398	1098.056	1137.063	1152.016
49.0	1021.341	1040.845	1081.152	1122.110	1137.063
49.5	1004.438	1024.592	1065.549	1107.807	1122.760
50.0	986.885	1007.689	1049.947	1092.204	1107.807
50.5	970.632	991.436	1033.693	1079.202	1094.155
51.0	953.729	974.532	1019.391	1064.249	1079.852
51.5	937.475	957.629	1003.138	1049.947	1065.549
52.0	919.922	941.376	987.535	1034.994	1051.247
52.5	903.019	924.473	972.582	1020.041	1037.594
53.0	885.466	908.220	956.979	1007.038	1022.641
53.5	868.563	891.967	942.026	992.086	1008.989
54.0	852.310	875.714	927.074	977.783	995.336
54.5	836.707	858.811	912.121	964.781	981.684

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**CANDELA TABULATION - (Cont.)**

55.0	820.454	843.208	897.168	949.828	969.331
55.5	806.801	826.955	882.215	936.175	954.379
56.0	791.198	812.652	867.912	922.523	940.726
56.5	774.945	797.699	852.960	908.870	927.724
57.0	759.342	782.747	838.657	895.218	914.071
57.5	743.089	767.144	826.305	882.215	899.118
58.0	726.836	751.541	812.002	867.912	888.066
58.5	711.233	735.938	797.699	855.560	875.064
59.0	695.630	720.335	784.047	844.508	861.411
59.5	680.027	705.382	771.694	830.856	851.009
60.0	664.424	689.779	758.042	817.853	838.007
60.5	649.147	674.826	744.389	805.501	825.004
61.0	633.804	659.874	730.737	793.148	812.652
61.5	618.591	645.051	717.084	780.796	800.950
62.0	603.638	630.358	704.082	769.094	788.598
62.5	588.880	615.795	690.429	757.392	776.895
63.0	573.927	601.298	677.427	745.039	766.493
63.5	559.105	586.995	665.074	733.337	754.791
64.0	544.672	572.887	652.072	720.985	743.089
64.5	530.304	559.105	639.720	709.283	731.387
65.0	516.067	545.257	627.302	697.581	720.335
65.5	502.024	531.735	615.015	685.878	708.633
66.0	487.786	518.212	602.858	674.176	697.581
66.5	473.874	505.015	590.766	663.124	686.529
67.0	460.286	491.947	578.738	651.422	675.476
67.5	446.634	479.075	566.971	640.500	664.424
68.0	433.176	466.527	555.269	629.448	654.022
68.5	419.914	454.045	543.827	618.721	643.165
69.0	406.716	441.693	532.515	607.929	632.893
69.5	393.714	429.600	521.333	597.462	622.687
70.0	380.776	417.703	510.346	587.190	612.545
70.5	368.164	405.936	499.358	576.918	602.533
71.0	355.682	394.299	488.566	566.776	592.651
71.5	343.329	382.922	478.034	556.894	582.899
72.0	331.237	371.480	467.503	547.077	573.407
72.5	319.080	360.427	457.231	537.456	563.981
73.0	307.248	349.440	447.024	527.964	554.489
73.5	295.740	338.583	437.142	518.537	545.257
74.0	284.363	328.051	427.130	509.435	535.960
74.5	273.181	317.454	417.573	500.399	527.184
75.0	262.064	307.117	408.081	491.557	518.667
75.5	251.142	297.041	398.720	482.780	510.020
76.0	240.545	287.159	389.618	474.069	501.569
76.5	230.013	277.407	380.581	465.552	493.117
77.0	219.611	267.720	371.675	457.101	484.926
77.5	209.404	258.293	362.898	448.909	476.799
78.0	199.327	249.062	354.381	440.848	468.803
78.5	189.445	239.960	345.930	432.721	460.871
79.0	179.759	231.118	337.738	424.855	453.070
79.5	170.137	222.342	329.677	417.183	445.268
80.0	160.645	213.695	321.615	409.577	437.857
80.5	151.413	205.308	313.814	401.905	430.316
81.0	142.442	197.052	306.337	394.494	422.969
81.5	133.340	188.990	298.861	387.147	415.623
82.0	124.563	181.124	291.580	380.061	408.536
82.5	115.982	173.387	284.428	372.975	401.580

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**CANDELA TABULATION - (Cont.)**

83.0	107.530	165.846	277.407	366.149	394.819
83.5	99.144	158.500	270.711	359.192	387.798
84.0	90.952	151.348	264.209	352.626	381.101
84.5	82.826	144.457	257.838	346.125	374.535
85.0	75.024	137.761	251.597	339.689	367.969
85.5	67.223	131.390	245.486	333.447	361.598
86.0	59.551	125.278	239.505	327.336	355.292
86.5	51.945	119.557	233.849	321.225	348.985
87.0	44.468	114.031	228.128	315.439	342.809
87.5	36.992	108.895	222.732	309.588	336.893
88.0	29.581	103.889	217.401	303.932	330.912
88.5	22.104	99.209	212.265	298.341	325.126
89.0	15.278	94.788	207.389	292.945	319.405
89.5	9.687	90.692	202.643	287.744	313.814
90.0	5.786	87.051	198.287	282.803	308.678
90.5	4.096	83.866	194.256	277.862	303.217
91.0	4.356	80.940	190.161	272.856	298.016
91.5	5.201	78.145	186.065	268.110	292.815
92.0	6.176	75.804	182.164	263.299	287.744
92.5	7.216	73.789	178.848	258.683	282.738
93.0	8.257	72.033	175.403	254.328	277.927
93.5	9.362	70.668	172.152	250.037	273.376
94.0	10.532	69.498	169.097	246.006	268.955
94.5	11.637	68.653	166.236	241.910	264.404
95.0	12.742	68.003	163.571	237.880	260.049
95.5	13.783	67.548	161.100	234.044	255.758
96.0	14.628	67.353	158.955	230.338	251.532
96.5	15.473	67.353	156.809	226.892	247.631
97.0	16.253	67.418	154.859	223.577	243.731
97.5	17.098	67.678	153.039	220.391	240.155
98.0	17.813	67.938	151.413	217.271	236.514
98.5	18.658	68.263	150.048	214.280	233.134
99.0	19.504	68.653	148.618	211.485	229.818
99.5	20.414	69.108	147.383	208.819	226.567
100.0	21.194	69.563	146.407	206.349	223.642
100.5	22.104	70.083	145.432	203.943	220.651
101.0	22.884	70.603	144.717	201.668	217.986
101.5	23.664	71.123	144.002	199.522	215.255
102.0	24.380	71.643	143.482	197.507	212.850
102.5	25.095	72.164	142.962	195.622	210.444
103.0	25.810	72.749	142.572	193.736	208.299
103.5	26.590	73.334	142.247	192.111	206.089
104.0	27.435	73.854	141.922	190.616	204.073
104.5	28.280	74.439	141.727	189.185	202.188
105.0	29.060	75.024	141.531	187.885	200.368
105.5	29.776	75.544	141.336	186.520	198.807
106.0	30.621	76.194	141.271	185.350	197.247
106.5	31.401	76.779	141.271	184.244	195.687
107.0	32.181	77.429	141.271	183.204	194.386
107.5	32.896	77.950	141.271	182.424	193.021
108.0	33.806	78.600	141.271	181.514	191.656
108.5	34.651	79.250	141.336	180.864	190.746
109.0	35.497	79.770	141.466	180.019	189.836
109.5	36.407	80.355	141.531	179.434	188.860
110.0	37.317	80.940	141.662	178.783	188.080
110.5	38.227	81.525	141.792	178.198	187.365

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**CANDELA TABULATION - (Cont.)**

111.0	39.137	82.110	141.857	177.678	186.585
111.5	40.047	82.630	141.922	177.288	185.935
112.0	41.023	83.216	142.052	176.898	185.155
112.5	41.998	83.801	142.182	176.443	184.440
113.0	43.038	84.386	142.377	176.118	184.114
113.5	44.013	84.906	142.377	175.793	183.659
114.0	45.053	85.426	142.507	175.533	183.204
114.5	46.029	86.011	142.637	175.208	182.814
115.0	47.069	86.466	142.767	175.013	182.489
115.5	48.109	87.051	142.767	174.818	182.164
116.0	49.084	87.571	142.962	174.558	181.774
116.5	49.994	88.091	143.092	174.298	181.644
117.0	51.035	88.677	143.222	174.298	181.319
117.5	52.010	89.132	143.352	174.038	181.124
118.0	52.855	89.587	143.482	173.908	180.864
118.5	53.830	90.042	143.547	173.713	180.799
119.0	54.675	90.497	143.677	173.517	180.409
119.5	55.585	90.822	143.807	173.322	180.344
120.0	56.431	91.147	143.742	173.192	180.019
120.5	57.276	91.537	143.807	172.932	179.954
121.0	58.121	91.797	143.937	172.737	179.694
121.5	59.031	92.122	143.872	172.477	179.564
122.0	59.876	92.512	143.872	172.347	179.369
122.5	60.721	92.902	143.937	172.087	178.913
123.0	61.567	93.292	143.872	171.827	178.848
123.5	62.347	93.618	143.742	171.632	178.458
124.0	62.997	93.878	143.742	171.437	178.393
124.5	63.647	94.138	143.742	171.112	178.133
125.0	64.297	94.463	143.612	170.787	177.873
125.5	64.947	94.658	143.482	170.592	177.548
126.0	65.532	94.918	143.417	170.202	177.288
126.5	66.052	95.243	143.287	169.942	177.093
127.0	66.637	95.373	143.157	169.617	176.833
127.5	67.093	95.568	142.962	169.292	176.378
128.0	67.678	95.568	142.897	168.902	176.118
128.5	68.133	95.698	142.637	168.577	175.858
129.0	68.588	95.828	142.377	168.251	175.533
129.5	68.978	96.023	141.922	167.731	175.143
130.0	69.303	96.153	141.466	167.406	174.753
130.5	69.628	96.283	140.946	167.016	174.298
131.0	69.823	96.478	140.426	166.431	173.843
131.5	70.083	96.673	139.906	165.911	173.387
132.0	70.343	96.868	139.321	165.586	172.997
132.5	70.473	96.933	138.671	164.936	172.412
133.0	70.668	96.998	138.411	164.351	171.697
133.5	70.733	96.933	138.021	163.896	171.372
134.0	70.798	96.803	137.761	163.376	170.917
134.5	70.993	96.543	137.436	162.790	170.072
135.0	71.188	96.348	137.046	162.010	169.422
135.5	71.123	95.828	136.721	161.490	168.902
136.0	71.253	95.763	136.266	160.840	168.251
136.5	71.383	95.568	135.940	160.125	167.601
137.0	71.448	95.243	135.420	159.540	166.886
137.5	71.513	94.918	134.965	158.760	166.236
138.0	71.643	94.723	134.315	158.110	165.456
138.5	71.643	94.463	133.470	157.394	164.871

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

139.0	71.578	94.268	132.495	156.549	163.961
139.5	71.578	94.008	131.325	155.639	163.311
140.0	71.578	93.683	130.024	154.794	162.400
140.5	71.578	93.487	128.854	153.754	161.425
141.0	71.578	93.357	127.554	152.649	160.645
141.5	71.578	93.097	126.254	151.673	159.865
142.0	71.513	92.967	125.018	150.438	159.020
142.5	71.448	92.772	123.718	149.333	158.045
143.0	71.383	92.577	122.483	148.293	157.069
143.5	71.383	92.317	121.053	147.188	156.159
144.0	71.383	91.992	119.817	146.342	155.119
144.5	71.578	91.732	118.582	145.367	154.209
145.0	71.838	91.472	117.217	144.522	153.169
145.5	72.294	91.147	115.982	143.677	152.128
146.0	72.879	90.887	114.811	142.767	151.153
146.5	73.464	90.627	113.836	141.792	150.048
147.0	74.049	90.302	112.731	140.816	148.943
147.5	74.569	90.172	111.886	139.841	147.838
148.0	75.154	89.912	110.976	138.736	146.667
148.5	75.674	89.847	110.261	137.696	145.497
149.0	76.324	89.847	109.480	136.656	144.457
149.5	76.779	90.042	108.765	135.550	143.157
150.0	77.299	90.172	108.050	134.510	141.792
150.5	77.755	90.237	107.270	133.340	140.361
151.0	78.080	90.432	106.230	132.170	138.671
151.5	78.405	90.497	105.125	130.935	137.111
152.0	78.795	90.627	104.084	129.634	135.550
152.5	79.185	90.757	103.109	128.269	133.860
153.0	79.445	90.822	102.069	126.709	132.495
153.5	79.770	91.017	100.964	125.083	130.935
154.0	80.030	90.952	99.989	123.263	129.634
154.5	80.355	91.017	99.144	121.508	128.334
155.0	80.485	91.147	98.298	119.492	127.359
155.5	80.745	91.212	97.453	117.607	126.319
156.0	80.940	91.212	96.868	115.592	125.408
156.5	81.265	91.212	96.283	113.576	124.238
157.0	81.395	91.342	95.698	111.756	123.133
157.5	81.590	91.342	95.308	110.001	121.898
158.0	81.850	91.277	95.113	108.180	120.728
158.5	81.915	91.277	94.853	106.685	119.362
159.0	82.240	91.082	94.658	105.255	118.192
159.5	82.500	90.952	94.333	103.889	116.892
160.0	82.826	90.822	94.008	102.784	115.592
160.5	83.216	90.757	93.748	101.744	114.356
161.0	83.476	90.562	93.683	100.639	113.121
161.5	83.866	90.497	93.553	99.534	112.211
162.0	84.191	90.367	93.748	98.623	111.431
162.5	84.516	90.367	93.878	97.648	110.521
163.0	84.906	90.302	93.943	96.608	109.741
163.5	85.231	90.302	94.073	95.503	108.765
164.0	85.361	90.302	94.203	94.138	107.855
164.5	85.556	90.172	94.073	93.097	106.685
165.0	85.751	90.172	93.878	92.057	105.515
165.5	85.946	90.107	93.683	91.342	104.280
166.0	86.141	90.042	93.553	90.562	102.394
166.5	86.336	90.042	93.357	89.912	101.484

IES INDOOR REPORT  
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CANDELA TABULATION - (Cont.)

167.0	86.596	90.042	93.162	89.327	100.769
167.5	86.726	90.042	92.772	88.807	100.054
168.0	86.921	90.042	92.447	88.287	99.469
168.5	87.311	89.782	91.992	87.831	98.753
169.0	87.506	89.847	91.667	87.376	98.038
169.5	87.831	89.652	91.147	86.856	97.258
170.0	87.961	89.587	90.692	86.206	96.543
170.5	88.157	89.457	90.107	85.491	95.763
171.0	88.287	89.327	89.457	84.711	94.788
171.5	88.482	89.327	88.872	83.996	94.008
172.0	88.807	89.197	88.547	83.281	92.837
172.5	89.002	89.197	88.157	82.500	91.537
173.0	89.262	89.067	87.831	81.785	89.327
173.5	89.587	89.132	87.701	81.070	86.011
174.0	89.847	89.132	87.636	80.485	81.915
174.5	90.042	89.132	87.506	79.900	77.039
175.0	90.432	89.327	87.441	79.445	71.513
175.5	90.562	89.392	87.376	79.250	65.727
176.0	90.822	89.522	87.376	79.055	61.957
176.5	90.887	89.587	87.311	79.055	59.291
177.0	91.147	89.717	87.181	78.860	56.561
177.5	91.212	89.717	86.986	78.795	55.975
178.0	91.472	89.847	86.921	78.730	56.106
178.5	91.602	89.912	86.986	78.600	56.236
179.0	91.732	89.912	86.921	78.405	56.301
179.5	91.862	89.912	86.856	78.340	56.366
180.0	82.370	82.370	82.370	82.370	82.370



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L65-850-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	744.31	N.A.	11.70
0-30	1559.58	N.A.	24.50
0-40	2505.24	N.A.	39.40
0-60	4239.8	N.A.	66.70
0-80	5282.03	N.A.	83.10
0-90	5544.15	N.A.	87.30
10-90	5350.11	N.A.	84.20
20-40	1760.93	N.A.	27.70
20-50	2692.18	N.A.	42.40
40-70	2352.43	N.A.	37.00
60-80	1042.23	N.A.	16.40
70-80	424.36	N.A.	6.70
80-90	262.12	N.A.	4.10
90-110	306.16	N.A.	4.80
90-120	435.05	N.A.	6.80
90-130	553.67	N.A.	8.70
90-150	726.86	N.A.	11.40
90-180	809.66	N.A.	12.70
110-180	503.50	N.A.	7.90
0-180	6353.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	194.04
10-20	550.26
20-30	815.27
30-40	945.67
40-50	931.25
50-60	803.31
60-70	617.87
70-80	424.36
80-90	262.12
90-100	167.94
100-110	138.22
110-120	128.89
120-130	118.62
130-140	99.68
140-150	73.51
150-160	48.07
160-170	26.48
170-180	8.25

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L65-850-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-L65-850-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

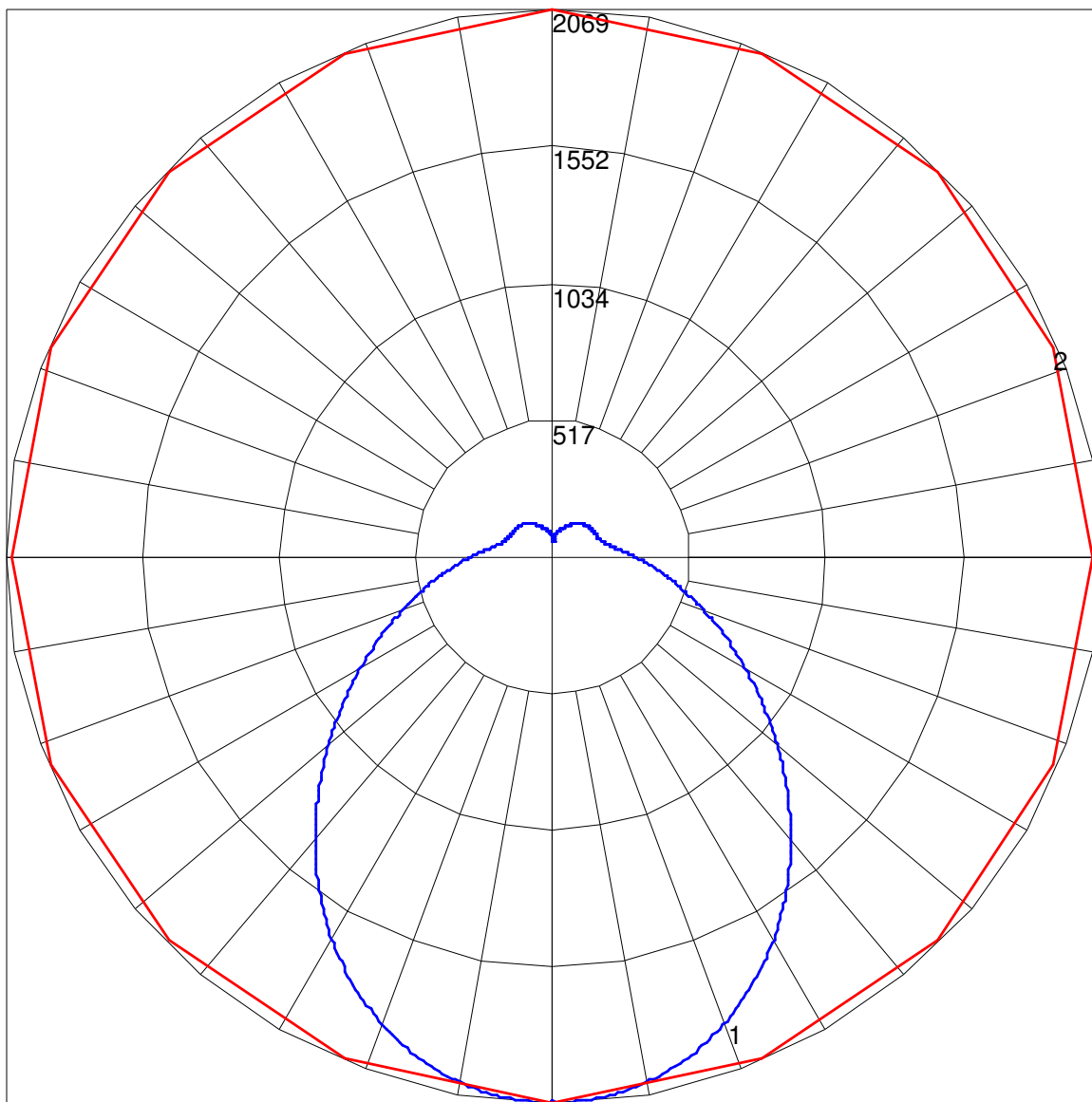
Reflectances

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	18.2	19.6	18.8	20.1	20.7	19.9	21.2	20.4	21.8	22.4
	3H	19.6	20.8	20.1	21.4	22.0	22.1	23.3	22.6	23.9	24.5
	4H	20.0	21.2	20.6	21.8	22.4	23.1	24.3	23.7	24.9	25.6
	6H	20.3	21.4	20.9	22.0	22.7	24.3	25.3	24.9	25.9	26.6
	8H	20.4	21.4	21.0	22.0	22.7	24.8	25.9	25.5	26.5	27.2
	12H	20.4	21.4	21.0	22.0	22.7	25.5	26.5	26.1	27.1	27.8
4H	2H	18.9	20.1	19.5	20.7	21.4	20.3	21.4	20.9	22.0	22.7
	3H	20.5	21.5	21.1	22.1	22.8	22.7	23.7	23.3	24.3	25.0
	4H	21.1	22.0	21.7	22.6	23.4	24.0	24.8	24.6	25.5	26.2
	6H	21.5	22.3	22.2	23.0	23.7	25.3	26.1	25.9	26.7	27.5
	8H	21.6	22.4	22.3	23.0	23.8	26.0	26.7	26.6	27.4	28.1
	12H	21.7	22.4	22.4	23.1	23.8	26.8	27.4	27.4	28.1	28.9
8H	4H	21.7	22.4	22.3	23.1	23.8	24.1	24.9	24.8	25.5	26.3
	6H	22.3	22.9	22.9	23.6	24.3	25.6	26.3	26.3	27.0	27.7
	8H	22.5	23.0	23.1	23.7	24.5	26.5	27.1	27.2	27.8	28.5
	12H	22.6	23.1	23.3	23.8	24.6	27.5	28.0	28.2	28.7	29.5
12H	4H	21.8	22.5	22.5	23.2	23.9	24.1	24.8	24.8	25.5	26.3
	6H	22.5	23.1	23.2	23.8	24.6	25.7	26.3	26.4	26.9	27.7
	8H	22.8	23.3	23.5	24.0	24.8	26.6	27.1	27.3	27.8	28.6

Maximum UGR = 29.5

POLAR GRAPH



Maximum Candela = 2068.687 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.)