

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L65-840-HE-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-L65-840-HE-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	5172
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	35.8
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	11348	10165	10065
55	9827	8702	8836
65	8261	7453	7875
75	6625	6511	7360
85	4859	6405	7777

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L65-840-HE-DIM-UNV\_.IES**

**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1673.914	1673.914	1673.914	1673.914	1673.914
0.5	1665.976	1672.326	1673.385	1672.856	1683.969
1.0	1665.976	1672.856	1672.856	1672.326	1683.440
1.5	1664.388	1672.856	1672.326	1671.797	1683.969
2.0	1663.859	1671.268	1672.326	1671.268	1682.381
2.5	1663.859	1671.268	1670.739	1670.739	1681.323
3.0	1662.271	1669.680	1669.680	1669.680	1680.265
3.5	1661.213	1668.093	1668.093	1668.622	1679.206
4.0	1660.154	1667.034	1667.034	1666.505	1678.148
4.5	1657.508	1665.446	1665.976	1665.446	1676.560
5.0	1655.921	1663.859	1663.859	1663.859	1674.972
5.5	1653.804	1661.742	1661.742	1662.271	1672.856
6.0	1652.745	1659.096	1659.625	1659.625	1670.739
6.5	1649.041	1656.979	1657.508	1657.508	1668.093
7.0	1646.924	1654.333	1654.862	1654.333	1665.976
7.5	1644.807	1651.158	1652.216	1652.216	1663.330
8.0	1642.161	1649.041	1649.041	1649.041	1659.625
8.5	1639.515	1645.336	1646.395	1646.395	1656.450
9.0	1635.281	1642.690	1643.219	1642.690	1652.745
9.5	1632.635	1638.986	1638.986	1638.986	1650.628
10.0	1628.401	1634.752	1634.752	1635.810	1646.395
10.5	1624.697	1631.047	1631.577	1631.577	1642.690
11.0	1620.992	1627.343	1627.872	1627.343	1638.456
11.5	1616.229	1623.109	1624.168	1623.109	1634.752
12.0	1611.996	1618.346	1619.405	1619.405	1629.989
12.5	1607.762	1613.583	1615.171	1614.112	1625.755
13.0	1602.999	1609.349	1610.408	1609.879	1620.992
13.5	1598.236	1604.057	1605.116	1605.116	1616.758
14.0	1592.415	1598.765	1599.824	1599.824	1610.937
14.5	1587.652	1593.473	1594.531	1594.531	1606.703
15.0	1582.889	1588.181	1588.710	1588.710	1600.353
15.5	1577.067	1581.830	1583.418	1583.418	1594.002
16.0	1570.717	1576.009	1577.596	1577.596	1588.710
16.5	1565.424	1569.658	1571.246	1571.775	1582.889
17.0	1558.015	1562.778	1564.895	1565.424	1576.538
17.5	1551.665	1556.428	1558.545	1559.074	1570.187
18.0	1545.843	1550.077	1551.665	1553.252	1564.366
18.5	1538.964	1543.727	1545.314	1546.373	1557.486
19.0	1532.084	1535.788	1538.434	1539.493	1550.077
19.5	1524.145	1529.438	1531.555	1533.671	1543.197
20.0	1515.678	1521.499	1524.145	1525.733	1535.788
20.5	1507.211	1514.620	1516.736	1518.853	1528.908
21.0	1500.331	1506.152	1507.740	1511.973	1521.499
21.5	1492.392	1498.214	1500.860	1502.977	1513.561
22.0	1483.925	1490.805	1493.451	1495.568	1506.681
22.5	1476.516	1481.279	1484.983	1488.159	1498.743
23.0	1467.519	1472.811	1476.516	1479.691	1490.276
23.5	1457.993	1463.815	1468.578	1471.753	1482.337
24.0	1448.467	1454.818	1459.581	1463.286	1473.870
24.5	1440.529	1445.821	1451.114	1454.289	1464.344
25.0	1431.532	1436.825	1442.646	1445.821	1455.876
25.5	1421.477	1427.828	1432.591	1437.354	1445.821
26.0	1411.951	1417.773	1424.123	1428.357	1437.883
26.5	1401.896	1407.718	1415.127	1418.831	1428.886

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L65-840-HE-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

27.0	1391.841	1397.133	1406.130	1410.893	1419.890
27.5	1380.198	1387.078	1396.075	1400.309	1410.893
28.0	1371.731	1377.023	1386.020	1390.783	1400.838
28.5	1360.617	1366.968	1375.965	1380.728	1390.783
29.0	1350.033	1356.384	1365.380	1371.202	1381.257
29.5	1338.919	1345.270	1354.796	1360.617	1370.673
30.0	1327.806	1334.686	1344.212	1351.621	1361.676
30.5	1316.163	1323.043	1334.157	1341.566	1351.091
31.0	1305.050	1311.929	1323.043	1330.981	1339.978
31.5	1293.407	1301.345	1312.459	1320.926	1330.452
32.0	1282.293	1289.173	1301.874	1309.813	1319.338
32.5	1270.121	1277.530	1290.761	1299.228	1308.754
33.0	1258.478	1266.417	1278.589	1288.644	1298.170
33.5	1247.365	1254.774	1268.004	1277.001	1287.056
34.0	1234.134	1242.602	1256.362	1266.417	1277.001
34.5	1221.962	1230.959	1245.248	1254.774	1265.358
35.0	1210.849	1218.258	1234.134	1244.190	1254.245
35.5	1196.560	1206.615	1221.962	1232.547	1242.602
36.0	1185.446	1193.914	1210.320	1220.904	1231.488
36.5	1171.687	1181.213	1198.148	1209.790	1220.904
37.0	1158.986	1169.041	1185.976	1197.618	1209.790
37.5	1145.755	1155.810	1174.333	1187.034	1197.618
38.0	1132.525	1143.109	1161.632	1174.862	1184.917
38.5	1118.765	1129.879	1149.460	1163.749	1173.274
39.0	1106.593	1116.648	1136.759	1151.577	1163.749
39.5	1092.833	1104.476	1124.587	1139.405	1151.047
40.0	1078.015	1090.717	1111.885	1128.291	1138.875
40.5	1064.256	1077.486	1099.713	1116.648	1127.233
41.0	1051.555	1064.256	1087.012	1104.476	1115.061
41.5	1037.795	1051.025	1074.311	1092.304	1103.418
42.0	1024.035	1037.795	1061.610	1080.661	1091.775
42.5	1010.805	1024.035	1048.379	1068.489	1079.603
43.0	995.987	1010.805	1036.207	1056.847	1067.960
43.5	983.286	997.045	1022.977	1044.675	1056.317
44.0	968.997	983.286	1009.746	1033.032	1044.146
44.5	955.766	970.055	996.516	1020.331	1031.974
45.0	942.007	956.295	983.815	1009.217	1020.860
45.5	928.247	943.065	971.114	997.574	1009.217
46.0	914.487	929.305	957.354	984.873	997.045
46.5	900.728	915.546	945.711	974.289	985.402
47.0	886.439	902.315	932.481	961.588	973.760
47.5	872.679	888.556	919.250	949.416	961.588
48.0	859.449	874.796	906.020	938.302	949.416
48.5	844.631	861.566	893.848	925.601	937.773
49.0	831.400	847.277	880.088	913.429	925.601
49.5	817.641	834.046	867.387	901.786	913.958
50.0	803.352	820.287	854.686	889.085	901.786
50.5	790.121	807.056	841.455	878.501	890.673
51.0	776.362	793.297	829.813	866.329	879.030
51.5	763.131	779.537	816.582	854.686	867.387
52.0	748.842	766.306	803.881	842.514	855.744
52.5	735.083	752.547	791.709	830.342	844.631
53.0	720.794	739.316	779.008	819.757	832.459
53.5	707.034	726.086	766.836	807.585	821.345
54.0	693.804	712.856	754.664	795.943	810.232
54.5	681.103	699.096	742.492	785.358	799.118

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L65-840-HE-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

55.0	667.872	686.395	730.320	773.186	789.063
55.5	656.759	673.164	718.148	762.073	776.891
56.0	644.057	661.521	706.505	750.959	765.777
56.5	630.827	649.349	694.333	739.846	755.193
57.0	618.126	637.177	682.690	728.732	744.079
57.5	604.895	624.476	672.635	718.148	731.907
58.0	591.665	611.775	660.992	706.505	722.911
58.5	578.964	599.074	649.349	696.450	712.326
59.0	566.262	586.373	638.236	687.453	701.213
59.5	553.561	574.201	628.181	676.340	692.745
60.0	540.860	561.499	617.067	665.755	682.161
60.5	528.423	549.327	605.954	655.700	671.577
61.0	515.934	537.155	594.840	645.645	661.521
61.5	503.550	525.089	583.727	635.590	651.996
62.0	491.378	513.129	573.142	626.064	641.940
62.5	479.365	501.275	562.029	616.538	632.415
63.0	467.193	489.473	551.444	606.483	623.947
63.5	455.127	477.830	541.389	596.957	614.421
64.0	443.378	466.346	530.805	586.902	604.895
64.5	431.682	455.127	520.750	577.376	595.369
65.0	420.093	443.854	510.642	567.850	586.373
65.5	408.662	432.847	500.639	558.324	576.847
66.0	397.072	421.839	490.743	548.798	567.850
66.5	385.746	411.096	480.900	539.802	558.853
67.0	374.686	400.459	471.109	530.276	549.857
67.5	363.572	389.980	461.530	521.385	540.860
68.0	352.617	379.766	452.004	512.388	532.392
68.5	341.821	369.605	442.690	503.656	523.555
69.0	331.078	359.550	433.482	494.871	515.193
69.5	320.494	349.707	424.379	486.351	506.884
70.0	309.963	340.022	415.435	477.989	498.628
70.5	299.696	330.443	406.492	469.627	490.478
71.0	289.535	320.970	397.707	461.372	482.434
71.5	279.480	311.709	389.133	453.327	474.496
72.0	269.636	302.395	380.560	445.336	466.770
72.5	259.740	293.398	372.198	437.504	459.096
73.0	250.108	284.454	363.890	429.777	451.369
73.5	240.741	275.616	355.846	422.104	443.854
74.0	231.480	267.043	347.696	414.695	436.287
74.5	222.377	258.417	339.916	407.338	429.142
75.0	213.327	250.002	332.190	400.141	422.209
75.5	204.437	241.799	324.569	392.997	415.171
76.0	195.810	233.755	317.160	385.905	408.291
76.5	187.237	225.817	309.804	378.972	401.411
77.0	178.770	217.932	302.553	372.093	394.743
77.5	170.461	210.258	295.409	365.424	388.128
78.0	162.258	202.743	288.476	358.862	381.619
78.5	154.214	195.334	281.596	352.247	375.162
79.0	146.329	188.137	274.928	345.843	368.811
79.5	138.496	180.992	268.366	339.599	362.461
80.0	130.770	173.954	261.804	333.407	356.428
80.5	123.255	167.127	255.453	327.162	350.289
81.0	115.951	160.406	249.367	321.129	344.309
81.5	108.542	153.843	243.281	315.149	338.329
82.0	101.398	147.440	237.354	309.380	332.560
82.5	94.412	141.142	231.533	303.612	326.897

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L65-840-HE-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

83.0	87.533	135.003	225.817	298.055	321.394
83.5	80.706	129.023	220.366	292.392	315.678
84.0	74.037	123.202	215.074	287.047	310.227
84.5	67.422	117.592	209.888	281.755	304.882
85.0	61.072	112.141	204.807	276.516	299.537
85.5	54.721	106.955	199.832	271.435	294.351
86.0	48.476	101.980	194.964	266.461	289.217
86.5	42.284	97.323	190.359	261.486	284.084
87.0	36.198	92.825	185.702	256.776	279.056
87.5	30.112	88.644	181.310	252.013	274.240
88.0	24.079	84.569	176.970	247.409	269.372
88.5	17.993	80.759	172.789	242.858	264.662
89.0	12.437	77.160	168.820	238.465	260.004
89.5	7.885	73.826	164.957	234.232	255.453
90.0	4.710	70.862	161.411	230.209	251.272
90.5	3.334	68.269	158.130	226.187	246.827
91.0	3.546	65.888	154.796	222.112	242.593
91.5	4.234	63.612	151.462	218.249	238.359
92.0	5.028	61.707	148.287	214.333	234.232
92.5	5.874	60.066	145.588	210.576	230.157
93.0	6.721	58.637	142.783	207.030	226.240
93.5	7.621	57.526	140.137	203.537	222.536
94.0	8.573	56.573	137.649	200.256	218.937
94.5	9.473	55.885	135.321	196.922	215.233
95.0	10.373	55.356	133.151	193.641	211.687
95.5	11.219	54.986	131.140	190.518	208.194
96.0	11.907	54.827	129.394	187.502	204.754
96.5	12.595	54.827	127.647	184.697	201.579
97.0	13.230	54.880	126.060	181.998	198.404
97.5	13.918	55.092	124.578	179.405	195.493
98.0	14.501	55.303	123.255	176.864	192.529
98.5	15.189	55.568	122.143	174.430	189.777
99.0	15.877	55.885	120.979	172.154	187.078
99.5	16.617	56.256	119.974	169.985	184.432
100.0	17.252	56.626	119.180	167.974	182.051
100.5	17.993	57.050	118.386	166.015	179.616
101.0	18.628	57.473	117.804	164.163	177.447
101.5	19.264	57.896	117.222	162.417	175.224
102.0	19.846	58.320	116.798	160.776	173.266
102.5	20.428	58.743	116.375	159.241	171.308
103.0	21.010	59.219	116.057	157.707	169.561
103.5	21.645	59.696	115.793	156.384	167.762
104.0	22.333	60.119	115.528	155.166	166.121
104.5	23.021	60.595	115.369	154.002	164.587
105.0	23.656	61.072	115.211	152.944	163.105
105.5	24.238	61.495	115.052	151.832	161.835
106.0	24.926	62.024	114.999	150.880	160.564
106.5	25.561	62.501	114.999	149.980	159.294
107.0	26.196	63.030	114.999	149.133	158.236
107.5	26.778	63.453	114.999	148.498	157.125
108.0	27.519	63.982	114.999	147.757	156.013
108.5	28.207	64.512	115.052	147.228	155.272
109.0	28.895	64.935	115.158	146.540	154.531
109.5	29.636	65.411	115.211	146.064	153.738
110.0	30.377	65.888	115.316	145.535	153.103
110.5	31.118	66.364	115.422	145.058	152.520

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L65-840-HE-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

111.0	31.859	66.840	115.475	144.635	151.885
111.5	32.600	67.264	115.528	144.318	151.356
112.0	33.394	67.740	115.634	144.000	150.721
112.5	34.187	68.216	115.740	143.630	150.139
113.0	35.034	68.692	115.899	143.365	149.874
113.5	35.828	69.116	115.899	143.100	149.504
114.0	36.675	69.539	116.004	142.889	149.133
114.5	37.469	70.015	116.110	142.624	148.816
115.0	38.315	70.386	116.216	142.465	148.551
115.5	39.162	70.862	116.216	142.307	148.287
116.0	39.956	71.286	116.375	142.095	147.969
116.5	40.697	71.709	116.481	141.883	147.863
117.0	41.544	72.185	116.587	141.883	147.599
117.5	42.337	72.556	116.692	141.671	147.440
118.0	43.025	72.926	116.798	141.566	147.228
118.5	43.819	73.297	116.851	141.407	147.175
119.0	44.507	73.667	116.957	141.248	146.858
119.5	45.248	73.932	117.063	141.089	146.805
120.0	45.936	74.196	117.010	140.983	146.540
120.5	46.624	74.514	117.063	140.772	146.487
121.0	47.312	74.725	117.169	140.613	146.276
121.5	48.053	74.990	117.116	140.401	146.170
122.0	48.741	75.308	117.116	140.295	146.011
122.5	49.429	75.625	117.169	140.084	145.641
123.0	50.117	75.943	117.116	139.872	145.588
123.5	50.752	76.207	117.010	139.713	145.270
124.0	51.281	76.419	117.010	139.555	145.217
124.5	51.810	76.631	117.010	139.290	145.006
125.0	52.340	76.895	116.904	139.025	144.794
125.5	52.869	77.054	116.798	138.867	144.529
126.0	53.345	77.266	116.745	138.549	144.318
126.5	53.768	77.530	116.639	138.337	144.159
127.0	54.245	77.636	116.534	138.073	143.947
127.5	54.615	77.795	116.375	137.808	143.577
128.0	55.092	77.795	116.322	137.491	143.365
128.5	55.462	77.901	116.110	137.226	143.153
129.0	55.832	78.007	115.899	136.961	142.889
129.5	56.150	78.165	115.528	136.538	142.571
130.0	56.415	78.271	115.158	136.273	142.254
130.5	56.679	78.377	114.734	135.956	141.883
131.0	56.838	78.536	114.311	135.480	141.513
131.5	57.050	78.695	113.888	135.056	141.142
132.0	57.261	78.853	113.411	134.792	140.825
132.5	57.367	78.906	112.882	134.262	140.348
133.0	57.526	78.959	112.670	133.786	139.766
133.5	57.579	78.906	112.353	133.416	139.502
134.0	57.632	78.800	112.141	132.992	139.131
134.5	57.791	78.589	111.877	132.516	138.443
135.0	57.949	78.430	111.559	131.881	137.914
135.5	57.896	78.007	111.294	131.458	137.491
136.0	58.002	77.954	110.924	130.928	136.961
136.5	58.108	77.795	110.659	130.346	136.432
137.0	58.161	77.530	110.236	129.870	135.850
137.5	58.214	77.266	109.865	129.235	135.321
138.0	58.320	77.107	109.336	128.706	134.686
138.5	58.320	76.895	108.648	128.123	134.209

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L65-840-HE-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

139.0	58.267	76.736	107.854	127.435	133.469
139.5	58.267	76.525	106.902	126.695	132.939
140.0	58.267	76.260	105.843	126.007	132.198
140.5	58.267	76.101	104.891	125.160	131.405
141.0	58.267	75.996	103.832	124.260	130.770
141.5	58.267	75.784	102.774	123.466	130.135
142.0	58.214	75.678	101.768	122.461	129.447
142.5	58.161	75.519	100.710	121.561	128.653
143.0	58.108	75.361	99.705	120.714	127.859
143.5	58.108	75.149	98.540	119.815	127.118
144.0	58.108	74.884	97.535	119.127	126.271
144.5	58.267	74.673	96.529	118.333	125.530
145.0	58.478	74.461	95.418	117.645	124.684
145.5	58.849	74.196	94.412	116.957	123.837
146.0	59.325	73.985	93.460	116.216	123.043
146.5	59.802	73.773	92.666	115.422	122.143
147.0	60.278	73.508	91.766	114.628	121.244
147.5	60.701	73.402	91.078	113.835	120.344
148.0	61.178	73.191	90.337	112.935	119.391
148.5	61.601	73.138	89.755	112.088	118.439
149.0	62.130	73.138	89.120	111.241	117.592
149.5	62.501	73.297	88.538	110.342	116.534
150.0	62.924	73.402	87.956	109.495	115.422
150.5	63.294	73.455	87.321	108.542	114.258
151.0	63.559	73.614	86.474	107.590	112.882
151.5	63.824	73.667	85.574	106.584	111.612
152.0	64.141	73.773	84.728	105.526	110.342
152.5	64.459	73.879	83.934	104.415	108.966
153.0	64.670	73.932	83.087	103.144	107.854
153.5	64.935	74.090	82.187	101.821	106.584
154.0	65.147	74.037	81.394	100.340	105.526
154.5	65.411	74.090	80.706	98.911	104.467
155.0	65.517	74.196	80.018	97.270	103.674
155.5	65.729	74.249	79.330	95.735	102.827
156.0	65.888	74.249	78.853	94.095	102.086
156.5	66.152	74.249	78.377	92.454	101.133
157.0	66.258	74.355	77.901	90.972	100.234
157.5	66.417	74.355	77.583	89.544	99.228
158.0	66.628	74.302	77.424	88.062	98.276
158.5	66.681	74.302	77.213	86.845	97.164
159.0	66.946	74.143	77.054	85.680	96.212
159.5	67.158	74.037	76.789	84.569	95.153
160.0	67.422	73.932	76.525	83.669	94.095
160.5	67.740	73.879	76.313	82.822	93.089
161.0	67.951	73.720	76.260	81.923	92.084
161.5	68.269	73.667	76.154	81.023	91.343
162.0	68.534	73.561	76.313	80.282	90.708
162.5	68.798	73.561	76.419	79.488	89.967
163.0	69.116	73.508	76.472	78.642	89.332
163.5	69.380	73.508	76.578	77.742	88.538
164.0	69.486	73.508	76.684	76.631	87.797
164.5	69.645	73.402	76.578	75.784	86.845
165.0	69.804	73.402	76.419	74.937	85.892
165.5	69.963	73.350	76.260	74.355	84.886
166.0	70.121	73.297	76.154	73.720	83.352
166.5	70.280	73.297	75.996	73.191	82.611

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 75W-4-L65-840-HE-DIM-UNV\_.IES

CANDELA TABULATION - (Cont.)

167.0	70.492	73.297	75.837	72.714	82.029
167.5	70.598	73.297	75.519	72.291	81.447
168.0	70.756	73.297	75.255	71.868	80.970
168.5	71.074	73.085	74.884	71.497	80.388
169.0	71.233	73.138	74.620	71.127	79.806
169.5	71.497	72.979	74.196	70.703	79.171
170.0	71.603	72.926	73.826	70.174	78.589
170.5	71.762	72.820	73.350	69.592	77.954
171.0	71.868	72.714	72.820	68.957	77.160
171.5	72.026	72.714	72.344	68.375	76.525
172.0	72.291	72.609	72.079	67.793	75.572
172.5	72.450	72.609	71.762	67.158	74.514
173.0	72.662	72.503	71.497	66.576	72.714
173.5	72.926	72.556	71.391	65.993	70.015
174.0	73.138	72.556	71.338	65.517	66.681
174.5	73.297	72.556	71.233	65.041	62.712
175.0	73.614	72.714	71.180	64.670	58.214
175.5	73.720	72.767	71.127	64.512	53.504
176.0	73.932	72.873	71.127	64.353	50.434
176.5	73.985	72.926	71.074	64.353	48.265
177.0	74.196	73.032	70.968	64.194	46.042
177.5	74.249	73.032	70.809	64.141	45.566
178.0	74.461	73.138	70.756	64.088	45.671
178.5	74.567	73.191	70.809	63.982	45.777
179.0	74.673	73.191	70.756	63.824	45.830
179.5	74.778	73.191	70.703	63.771	45.883
180.0	67.052	67.052	67.052	67.052	67.052



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L65-840-HE-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	605.89	N.A.	11.70
0-30	1269.54	N.A.	24.50
0-40	2039.34	N.A.	39.40
0-60	3451.31	N.A.	66.70
0-80	4299.72	N.A.	83.10
0-90	4513.09	N.A.	87.30
10-90	4355.14	N.A.	84.20
20-40	1433.45	N.A.	27.70
20-50	2191.51	N.A.	42.40
40-70	1914.94	N.A.	37.00
60-80	848.41	N.A.	16.40
70-80	345.44	N.A.	6.70
80-90	213.37	N.A.	4.10
90-110	249.22	N.A.	4.80
90-120	354.14	N.A.	6.80
90-130	450.70	N.A.	8.70
90-150	591.69	N.A.	11.40
90-180	659.09	N.A.	12.70
110-180	409.87	N.A.	7.90
0-180	5172.18	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	157.96
10-20	447.93
20-30	663.65
30-40	769.80
40-50	758.06
50-60	653.91
60-70	502.97
70-80	345.44
80-90	213.37
90-100	136.71
100-110	112.51
110-120	104.92
120-130	96.56
130-140	81.14
140-150	59.84
150-160	39.13
160-170	21.56
170-180	6.72

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L65-840-HE-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-L65-840-HE-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

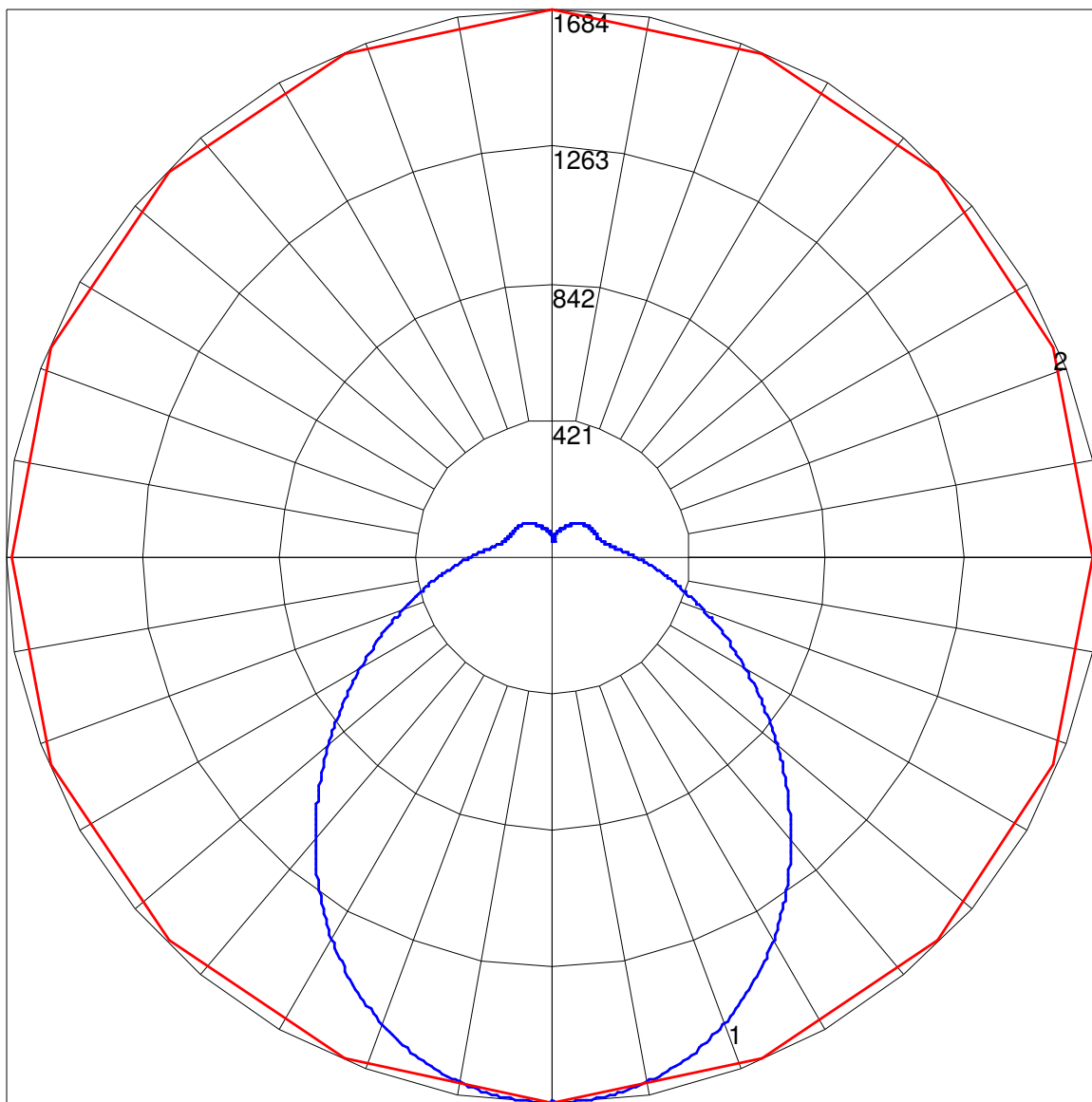
Reflectances

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	17.5	18.9	18.1	19.4	20.0	19.2	20.5	19.7	21.1	21.7
	3H	18.9	20.1	19.4	20.7	21.3	21.4	22.6	21.9	23.2	23.8
	4H	19.3	20.5	19.9	21.1	21.7	22.4	23.6	23.0	24.2	24.9
	6H	19.6	20.7	20.2	21.3	22.0	23.6	24.6	24.2	25.2	25.9
	8H	19.7	20.7	20.3	21.3	22.0	24.1	25.2	24.8	25.8	26.5
	12H	19.7	20.7	20.3	21.3	22.0	24.8	25.8	25.4	26.4	27.1
4H	2H	18.2	19.4	18.8	20.0	20.7	19.6	20.7	20.2	21.3	22.0
	3H	19.8	20.8	20.4	21.4	22.1	22.0	23.0	22.6	23.6	24.3
	4H	20.4	21.3	21.0	21.9	22.7	23.3	24.1	23.9	24.8	25.5
	6H	20.8	21.6	21.5	22.3	23.0	24.6	25.4	25.2	26.0	26.8
	8H	20.9	21.7	21.6	22.3	23.1	25.3	26.0	25.9	26.7	27.4
	12H	21.0	21.7	21.7	22.4	23.1	26.1	26.7	26.7	27.4	28.2
8H	4H	21.0	21.7	21.6	22.4	23.1	23.4	24.2	24.1	24.8	25.6
	6H	21.6	22.2	22.2	22.9	23.6	24.9	25.6	25.6	26.3	27.0
	8H	21.8	22.3	22.4	23.0	23.8	25.8	26.4	26.5	27.1	27.8
	12H	21.9	22.4	22.6	23.1	23.9	26.8	27.3	27.5	28.0	28.8
12H	4H	21.1	21.8	21.8	22.5	23.2	23.4	24.1	24.1	24.8	25.6
	6H	21.8	22.4	22.5	23.1	23.9	25.0	25.6	25.7	26.2	27.0
	8H	22.1	22.6	22.8	23.3	24.1	25.9	26.4	26.6	27.1	27.9

Maximum UGR = 28.8

POLAR GRAPH



Maximum Candela = 1683.969 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.)