

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L65-850-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-L65-850-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	5353
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	150
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	11744	10520	10416
55	10170	9006	9144
65	8549	7713	8149
75	6856	6738	7617
85	5029	6628	8048

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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	1732.306	1732.306	1732.306	1732.306	1732.306
0.5	1724.091	1730.663	1731.759	1731.211	1742.712
1.0	1724.091	1731.211	1731.211	1730.663	1742.165
1.5	1722.448	1731.211	1730.663	1730.116	1742.712
2.0	1721.901	1729.568	1730.663	1729.568	1741.069
2.5	1721.901	1729.568	1729.020	1729.020	1739.974
3.0	1720.258	1727.925	1727.925	1727.925	1738.879
3.5	1719.162	1726.282	1726.282	1726.830	1737.783
4.0	1718.067	1725.187	1725.187	1724.639	1736.688
4.5	1715.328	1723.544	1724.091	1723.544	1735.045
5.0	1713.685	1721.901	1721.901	1721.901	1733.402
5.5	1711.495	1719.710	1719.710	1720.258	1731.211
6.0	1710.399	1716.971	1717.519	1717.519	1729.020
6.5	1706.566	1714.781	1715.328	1715.328	1726.282
7.0	1704.375	1712.042	1712.590	1712.042	1724.091
7.5	1702.184	1708.756	1709.852	1709.852	1721.353
8.0	1699.446	1706.566	1706.566	1706.566	1717.519
8.5	1696.707	1702.732	1703.827	1703.827	1714.233
9.0	1692.326	1699.993	1700.541	1699.993	1710.399
9.5	1689.588	1696.160	1696.160	1696.160	1708.209
10.0	1685.206	1691.778	1691.778	1692.874	1703.827
10.5	1681.372	1687.944	1688.492	1688.492	1699.993
11.0	1677.539	1684.111	1684.658	1684.111	1695.612
11.5	1672.610	1679.729	1680.825	1679.729	1691.778
12.0	1668.228	1674.800	1675.896	1675.896	1686.849
12.5	1663.847	1669.871	1671.514	1670.419	1682.468
13.0	1658.918	1665.490	1666.585	1666.037	1677.539
13.5	1653.988	1660.013	1661.108	1661.108	1673.157
14.0	1647.964	1654.536	1655.631	1655.631	1667.133
14.5	1643.035	1649.059	1650.155	1650.155	1662.751
15.0	1638.106	1643.583	1644.130	1644.130	1656.179
15.5	1632.081	1637.010	1638.653	1638.653	1649.607
16.0	1625.509	1630.986	1632.629	1632.629	1644.130
16.5	1620.032	1624.414	1626.057	1626.605	1638.106
17.0	1612.365	1617.294	1619.485	1620.032	1631.534
17.5	1605.793	1610.722	1612.913	1613.460	1624.961
18.0	1599.768	1604.150	1605.793	1607.436	1618.937
18.5	1592.648	1597.578	1599.221	1600.316	1611.817
19.0	1585.529	1589.362	1592.101	1593.196	1604.150
19.5	1577.313	1582.790	1584.981	1587.172	1597.030
20.0	1568.551	1574.575	1577.313	1578.957	1589.362
20.5	1559.788	1567.455	1569.646	1571.837	1582.243
21.0	1552.668	1558.692	1560.335	1564.717	1574.575
21.5	1544.453	1550.477	1553.216	1555.406	1566.360
22.0	1535.690	1542.810	1545.548	1547.739	1559.240
22.5	1528.022	1532.952	1536.785	1540.071	1551.025
23.0	1518.712	1524.189	1528.022	1531.309	1542.262
23.5	1508.854	1514.878	1519.807	1523.093	1534.047
24.0	1498.995	1505.568	1510.497	1514.330	1525.284
24.5	1490.780	1496.257	1501.734	1505.020	1515.426
25.0	1481.470	1486.947	1492.971	1496.257	1506.663
25.5	1471.064	1477.636	1482.565	1487.494	1496.257
26.0	1461.206	1467.230	1473.802	1478.184	1488.042
26.5	1450.800	1456.824	1464.492	1468.326	1478.731

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**CANDELA TABULATION - (Cont.)**

27.0	1440.394	1445.871	1455.181	1460.110	1469.421
27.5	1428.345	1435.465	1444.775	1449.157	1460.110
28.0	1419.582	1425.059	1434.369	1439.299	1449.704
28.5	1408.081	1414.653	1423.964	1428.893	1439.299
29.0	1397.127	1403.699	1413.010	1419.034	1429.440
29.5	1385.626	1392.198	1402.056	1408.081	1418.487
30.0	1374.125	1381.245	1391.103	1398.770	1409.176
30.5	1362.076	1369.196	1380.697	1388.364	1398.223
31.0	1350.575	1357.694	1369.196	1377.411	1386.721
31.5	1338.526	1346.741	1358.242	1367.005	1376.863
32.0	1327.025	1334.144	1347.289	1355.504	1365.362
32.5	1314.428	1322.095	1335.787	1344.550	1354.408
33.0	1302.379	1310.594	1323.191	1333.597	1343.455
33.5	1290.878	1298.545	1312.237	1321.548	1331.954
34.0	1277.186	1285.949	1300.188	1310.594	1321.548
34.5	1264.589	1273.900	1288.687	1298.545	1309.499
35.0	1253.088	1260.755	1277.186	1287.592	1297.998
35.5	1238.301	1248.707	1264.589	1275.543	1285.949
36.0	1226.799	1235.562	1252.540	1263.494	1274.447
36.5	1212.560	1222.418	1239.944	1251.993	1263.494
37.0	1199.415	1209.821	1227.347	1239.396	1251.993
37.5	1185.724	1196.129	1215.298	1228.442	1239.396
38.0	1172.032	1182.985	1202.154	1215.846	1226.252
38.5	1157.792	1169.293	1189.557	1204.345	1214.203
39.0	1145.195	1155.601	1176.413	1191.748	1204.345
39.5	1130.956	1143.005	1163.816	1179.151	1191.200
40.0	1115.621	1128.765	1150.672	1167.650	1178.604
40.5	1101.381	1115.073	1138.075	1155.601	1166.555
41.0	1088.237	1101.381	1124.931	1143.005	1153.958
41.5	1073.997	1087.689	1111.787	1130.408	1141.909
42.0	1059.757	1073.997	1098.643	1118.359	1129.860
42.5	1046.066	1059.757	1084.951	1105.762	1117.264
43.0	1030.731	1046.066	1072.354	1093.714	1105.215
43.5	1017.586	1031.826	1058.662	1081.117	1093.166
44.0	1002.799	1017.586	1044.970	1069.068	1080.569
44.5	989.107	1003.894	1031.278	1055.924	1067.973
45.0	974.867	989.655	1018.134	1044.423	1056.471
45.5	960.628	975.963	1004.990	1032.374	1044.423
46.0	946.388	961.723	990.750	1019.229	1031.826
46.5	932.148	947.483	978.701	1008.276	1019.777
47.0	917.361	933.791	965.009	995.131	1007.728
47.5	903.122	919.552	951.317	982.535	995.131
48.0	889.430	905.312	937.625	971.034	982.535
48.5	874.095	891.620	925.029	957.889	970.486
49.0	860.403	876.833	910.789	945.293	957.889
49.5	846.163	863.141	897.645	933.244	945.840
50.0	831.376	848.901	884.500	920.100	933.244
50.5	817.684	835.209	870.808	909.146	921.743
51.0	803.444	820.970	858.760	896.549	909.694
51.5	789.752	806.730	845.068	884.500	897.645
52.0	774.965	793.038	831.923	871.904	885.596
52.5	760.725	778.799	819.327	859.307	874.095
53.0	745.938	765.107	806.182	848.354	861.498
53.5	731.698	751.415	793.586	835.757	849.997
54.0	718.006	737.723	780.989	823.708	838.495
54.5	704.862	723.483	768.393	812.755	826.994

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**CANDELA TABULATION - (Cont.)**

55.0	691.170	710.339	755.796	800.158	816.588
55.5	679.669	696.647	743.199	788.657	803.992
56.0	666.524	684.598	731.151	777.155	792.490
56.5	652.833	672.001	718.554	765.654	781.537
57.0	639.688	659.405	706.505	754.153	770.036
57.5	625.996	646.260	696.099	743.199	757.439
58.0	612.304	633.116	684.050	731.151	748.129
58.5	599.160	619.972	672.001	720.745	737.175
59.0	586.016	606.828	660.500	711.434	725.674
59.5	572.871	594.231	650.094	699.933	716.911
60.0	559.727	581.087	638.593	688.979	705.957
60.5	546.857	568.490	627.092	678.573	695.004
61.0	533.932	555.893	615.590	668.168	684.598
61.5	521.116	543.406	604.089	657.762	674.740
62.0	508.519	531.029	593.136	647.903	664.334
62.5	496.087	518.761	581.634	638.045	654.476
63.0	483.490	506.548	570.681	627.639	645.713
63.5	471.003	494.499	560.275	617.781	635.854
64.0	458.845	482.614	549.321	607.375	625.996
64.5	446.741	471.003	538.915	597.517	616.138
65.0	434.747	459.338	528.455	587.659	606.828
65.5	422.917	447.946	518.104	577.801	596.969
66.0	410.923	436.554	507.862	567.942	587.659
66.5	399.203	425.436	497.675	558.632	578.348
67.0	387.756	414.428	487.543	548.774	569.038
67.5	376.255	403.584	477.630	539.573	559.727
68.0	364.918	393.014	467.772	530.262	550.964
68.5	353.745	382.499	458.133	521.225	541.818
69.0	342.628	372.093	448.603	512.134	533.165
69.5	331.674	361.906	439.183	503.316	524.566
70.0	320.775	351.883	429.927	494.663	516.022
70.5	310.150	341.970	420.672	486.010	507.588
71.0	299.635	332.167	411.580	477.466	499.264
71.5	289.229	322.583	402.708	469.141	491.048
72.0	279.042	312.943	393.835	460.871	483.052
72.5	268.801	303.633	385.182	452.766	475.111
73.0	258.833	294.377	376.584	444.770	467.115
73.5	249.139	285.231	368.259	436.828	459.338
74.0	239.554	276.358	359.825	429.161	451.506
74.5	230.134	267.431	351.774	421.548	444.112
75.0	220.769	258.723	343.778	414.100	436.938
75.5	211.568	250.234	335.891	406.706	429.654
76.0	202.641	241.910	328.224	399.367	422.534
76.5	193.769	233.694	320.611	392.192	415.414
77.0	185.006	225.534	313.108	385.073	408.513
77.5	176.407	217.593	305.714	378.172	401.667
78.0	167.918	209.816	298.539	371.381	394.931
78.5	159.593	202.148	291.420	364.535	388.249
79.0	151.433	194.700	284.519	357.908	381.677
79.5	143.327	187.306	277.728	351.445	375.105
80.0	135.331	180.022	270.936	345.037	368.861
80.5	127.554	172.957	264.364	338.575	362.508
81.0	119.996	166.001	258.066	332.331	356.319
81.5	112.329	159.210	251.768	326.142	350.131
82.0	104.935	152.583	245.634	320.173	344.161
82.5	97.706	146.066	239.609	314.203	338.301

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**CANDELA TABULATION - (Cont.)**

83.0	90.586	139.713	233.694	308.452	332.605
83.5	83.521	133.524	228.053	302.592	326.690
84.0	76.620	127.500	222.576	297.061	321.049
84.5	69.774	121.694	217.209	291.584	315.517
85.0	63.202	116.053	211.951	286.162	309.986
85.5	56.630	110.686	206.803	280.904	304.619
86.0	50.167	105.538	201.765	275.756	299.306
86.5	43.759	100.718	197.000	270.608	293.994
87.0	37.461	96.063	192.180	265.734	288.791
87.5	31.163	91.736	187.635	260.804	283.807
88.0	24.919	87.519	183.144	256.040	278.768
88.5	18.621	83.576	178.817	251.330	273.894
89.0	12.870	79.851	174.709	246.784	269.074
89.5	8.160	76.401	170.711	242.402	264.364
90.0	4.874	73.334	167.042	238.240	260.038
90.5	3.450	70.650	163.646	234.078	255.437
91.0	3.669	68.186	160.196	229.861	251.056
91.5	4.381	65.831	156.746	225.863	246.674
92.0	5.203	63.859	153.459	221.810	242.402
92.5	6.079	62.161	150.666	217.921	238.185
93.0	6.956	60.683	147.764	214.252	234.132
93.5	7.887	59.533	145.025	210.637	230.299
94.0	8.872	58.547	142.451	207.241	226.575
94.5	9.803	57.835	140.041	203.791	222.741
95.0	10.734	57.287	137.796	200.395	219.071
95.5	11.611	56.904	135.715	197.164	215.457
96.0	12.323	56.739	133.907	194.042	211.897
96.5	13.035	56.739	132.100	191.140	208.611
97.0	13.692	56.794	130.457	188.347	205.325
97.5	14.404	57.013	128.923	185.663	202.312
98.0	15.006	57.232	127.554	183.034	199.245
98.5	15.718	57.506	126.404	180.515	196.397
99.0	16.430	57.835	125.199	178.160	193.604
99.5	17.197	58.218	124.159	175.914	190.866
100.0	17.854	58.602	123.337	173.833	188.401
100.5	18.621	59.040	122.516	171.807	185.882
101.0	19.278	59.478	121.913	169.890	183.637
101.5	19.935	59.916	121.311	168.082	181.336
102.0	20.538	60.354	120.873	166.385	179.310
102.5	21.140	60.792	120.434	164.796	177.283
103.0	21.743	61.285	120.106	163.208	175.476
103.5	22.400	61.778	119.832	161.839	173.614
104.0	23.112	62.216	119.558	160.579	171.916
104.5	23.824	62.709	119.394	159.374	170.328
105.0	24.481	63.202	119.230	158.279	168.794
105.5	25.084	63.640	119.065	157.129	167.480
106.0	25.796	64.188	119.010	156.143	166.166
106.5	26.453	64.681	119.010	155.212	164.851
107.0	27.110	65.228	119.010	154.336	163.756
107.5	27.713	65.667	119.010	153.679	162.606
108.0	28.479	66.214	119.010	152.912	161.456
108.5	29.191	66.762	119.065	152.364	160.689
109.0	29.903	67.200	119.175	151.652	159.922
109.5	30.670	67.693	119.230	151.159	159.101
110.0	31.437	68.186	119.339	150.612	158.443
110.5	32.203	68.679	119.449	150.119	157.841

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**CANDELA TABULATION - (Cont.)**

111.0	32.970	69.172	119.503	149.680	157.184
111.5	33.737	69.610	119.558	149.352	156.636
112.0	34.559	70.103	119.668	149.023	155.979
112.5	35.380	70.596	119.777	148.640	155.376
113.0	36.256	71.089	119.942	148.366	155.102
113.5	37.078	71.527	119.942	148.092	154.719
114.0	37.954	71.965	120.051	147.873	154.336
114.5	38.776	72.458	120.161	147.599	154.007
115.0	39.652	72.841	120.270	147.435	153.733
115.5	40.528	73.334	120.270	147.271	153.459
116.0	41.350	73.772	120.434	147.052	153.131
116.5	42.116	74.210	120.544	146.833	153.021
117.0	42.993	74.703	120.654	146.833	152.747
117.5	43.814	75.087	120.763	146.613	152.583
118.0	44.526	75.470	120.873	146.504	152.364
118.5	45.348	75.853	120.927	146.340	152.309
119.0	46.060	76.237	121.037	146.175	151.981
119.5	46.826	76.511	121.146	146.011	151.926
120.0	47.538	76.784	121.092	145.901	151.652
120.5	48.250	77.113	121.146	145.682	151.597
121.0	48.962	77.332	121.256	145.518	151.378
121.5	49.729	77.606	121.201	145.299	151.269
122.0	50.441	77.935	121.201	145.190	151.104
122.5	51.153	78.263	121.256	144.970	150.721
123.0	51.865	78.592	121.201	144.751	150.666
123.5	52.522	78.866	121.092	144.587	150.338
124.0	53.070	79.085	121.092	144.423	150.283
124.5	53.618	79.304	121.092	144.149	150.064
125.0	54.165	79.578	120.982	143.875	149.845
125.5	54.713	79.742	120.873	143.711	149.571
126.0	55.206	79.961	120.818	143.382	149.352
126.5	55.644	80.235	120.708	143.163	149.188
127.0	56.137	80.344	120.599	142.889	148.968
127.5	56.520	80.509	120.434	142.615	148.585
128.0	57.013	80.509	120.380	142.287	148.366
128.5	57.397	80.618	120.161	142.013	148.147
129.0	57.780	80.728	119.942	141.739	147.873
129.5	58.109	80.892	119.558	141.301	147.545
130.0	58.383	81.002	119.175	141.027	147.216
130.5	58.656	81.111	118.737	140.699	146.833
131.0	58.821	81.275	118.299	140.206	146.449
131.5	59.040	81.440	117.860	139.768	146.066
132.0	59.259	81.604	117.367	139.494	145.737
132.5	59.368	81.659	116.820	138.946	145.244
133.0	59.533	81.714	116.601	138.453	144.642
133.5	59.587	81.659	116.272	138.070	144.368
134.0	59.642	81.549	116.053	137.632	143.985
134.5	59.806	81.330	115.779	137.139	143.273
135.0	59.971	81.166	115.451	136.481	142.725
135.5	59.916	80.728	115.177	136.043	142.287
136.0	60.026	80.673	114.793	135.496	141.739
136.5	60.135	80.509	114.520	134.893	141.191
137.0	60.190	80.235	114.081	134.400	140.589
137.5	60.245	79.961	113.698	133.743	140.041
138.0	60.354	79.797	113.150	133.195	139.384
138.5	60.354	79.578	112.438	132.593	138.891

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

139.0	60.299	79.413	111.617	131.881	138.124
139.5	60.299	79.194	110.631	131.114	137.577
140.0	60.299	78.920	109.536	130.402	136.810
140.5	60.299	78.756	108.550	129.526	135.989
141.0	60.299	78.647	107.454	128.595	135.331
141.5	60.299	78.428	106.359	127.773	134.674
142.0	60.245	78.318	105.319	126.733	133.962
142.5	60.190	78.154	104.223	125.802	133.141
143.0	60.135	77.989	103.183	124.925	132.319
143.5	60.135	77.770	101.978	123.994	131.552
144.0	60.135	77.496	100.937	123.282	130.676
144.5	60.299	77.277	99.897	122.461	129.909
145.0	60.518	77.058	98.746	121.749	129.033
145.5	60.902	76.784	97.706	121.037	128.157
146.0	61.395	76.565	96.720	120.270	127.335
146.5	61.888	76.346	95.898	119.449	126.404
147.0	62.381	76.073	94.967	118.627	125.473
147.5	62.819	75.963	94.255	117.806	124.542
148.0	63.312	75.744	93.489	116.875	123.556
148.5	63.750	75.689	92.886	115.998	122.570
149.0	64.297	75.689	92.229	115.122	121.694
149.5	64.681	75.853	91.627	114.191	120.599
150.0	65.119	75.963	91.024	113.315	119.449
150.5	65.502	76.018	90.367	112.329	118.244
151.0	65.776	76.182	89.491	111.343	116.820
151.5	66.050	76.237	88.560	110.302	115.505
152.0	66.379	76.346	87.683	109.207	114.191
152.5	66.707	76.456	86.862	108.057	112.767
153.0	66.926	76.511	85.985	106.742	111.617
153.5	67.200	76.675	85.054	105.373	110.302
154.0	67.419	76.620	84.233	103.840	109.207
154.5	67.693	76.675	83.521	102.361	108.112
155.0	67.803	76.784	82.809	100.663	107.290
155.5	68.022	76.839	82.097	99.075	106.414
156.0	68.186	76.839	81.604	97.377	105.647
156.5	68.460	76.839	81.111	95.679	104.661
157.0	68.569	76.949	80.618	94.146	103.730
157.5	68.734	76.949	80.290	92.667	102.690
158.0	68.953	76.894	80.125	91.134	101.704
158.5	69.007	76.894	79.906	89.874	100.554
159.0	69.281	76.730	79.742	88.669	99.568
159.5	69.500	76.620	79.468	87.519	98.473
160.0	69.774	76.511	79.194	86.588	97.377
160.5	70.103	76.456	78.975	85.712	96.337
161.0	70.322	76.292	78.920	84.781	95.296
161.5	70.650	76.237	78.811	83.850	94.529
162.0	70.924	76.127	78.975	83.083	93.872
162.5	71.198	76.127	79.085	82.261	93.105
163.0	71.527	76.073	79.140	81.385	92.448
163.5	71.801	76.073	79.249	80.454	91.627
164.0	71.910	76.073	79.359	79.304	90.860
164.5	72.074	75.963	79.249	78.428	89.874
165.0	72.239	75.963	79.085	77.551	88.888
165.5	72.403	75.908	78.920	76.949	87.848
166.0	72.567	75.853	78.811	76.292	86.259
166.5	72.732	75.853	78.647	75.744	85.493

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

167.0	72.951	75.853	78.482	75.251	84.890
167.5	73.060	75.853	78.154	74.813	84.288
168.0	73.225	75.853	77.880	74.375	83.795
168.5	73.553	75.634	77.496	73.991	83.192
169.0	73.717	75.689	77.223	73.608	82.590
169.5	73.991	75.525	76.784	73.170	81.933
170.0	74.101	75.470	76.401	72.622	81.330
170.5	74.265	75.361	75.908	72.020	80.673
171.0	74.375	75.251	75.361	71.362	79.851
171.5	74.539	75.251	74.868	70.760	79.194
172.0	74.813	75.141	74.594	70.158	78.208
172.5	74.977	75.141	74.265	69.500	77.113
173.0	75.196	75.032	73.991	68.898	75.251
173.5	75.470	75.087	73.882	68.295	72.458
174.0	75.689	75.087	73.827	67.803	69.007
174.5	75.853	75.087	73.717	67.310	64.900
175.0	76.182	75.251	73.663	66.926	60.245
175.5	76.292	75.306	73.608	66.762	55.370
176.0	76.511	75.415	73.608	66.598	52.194
176.5	76.565	75.470	73.553	66.598	49.948
177.0	76.784	75.580	73.444	66.433	47.648
177.5	76.839	75.580	73.279	66.379	47.155
178.0	77.058	75.689	73.225	66.324	47.265
178.5	77.168	75.744	73.279	66.214	47.374
179.0	77.277	75.744	73.225	66.050	47.429
179.5	77.387	75.744	73.170	65.995	47.484
180.0	69.391	69.391	69.391	69.391	69.391



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

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	627.02	N.A.	11.70
0-30	1313.82	N.A.	24.50
0-40	2110.48	N.A.	39.40
0-60	3571.71	N.A.	66.70
0-80	4449.71	N.A.	83.10
0-90	4670.53	N.A.	87.30
10-90	4507.06	N.A.	84.20
20-40	1483.45	N.A.	27.70
20-50	2267.96	N.A.	42.40
40-70	1981.74	N.A.	37.00
60-80	878.00	N.A.	16.40
70-80	357.49	N.A.	6.70
80-90	220.82	N.A.	4.10
90-110	257.91	N.A.	4.80
90-120	366.49	N.A.	6.80
90-130	466.42	N.A.	8.70
90-150	612.33	N.A.	11.40
90-180	682.08	N.A.	12.70
110-180	424.16	N.A.	7.90
0-180	5352.61	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	163.47
10-20	463.56
20-30	686.80
30-40	796.65
40-50	784.51
50-60	676.72
60-70	520.51
70-80	357.49
80-90	220.82
90-100	141.48
100-110	116.44
110-120	108.58
120-130	99.93
130-140	83.98
140-150	61.93
150-160	40.49
160-170	22.31
170-180	6.95

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

**UGR TABLE - CORRECTED**

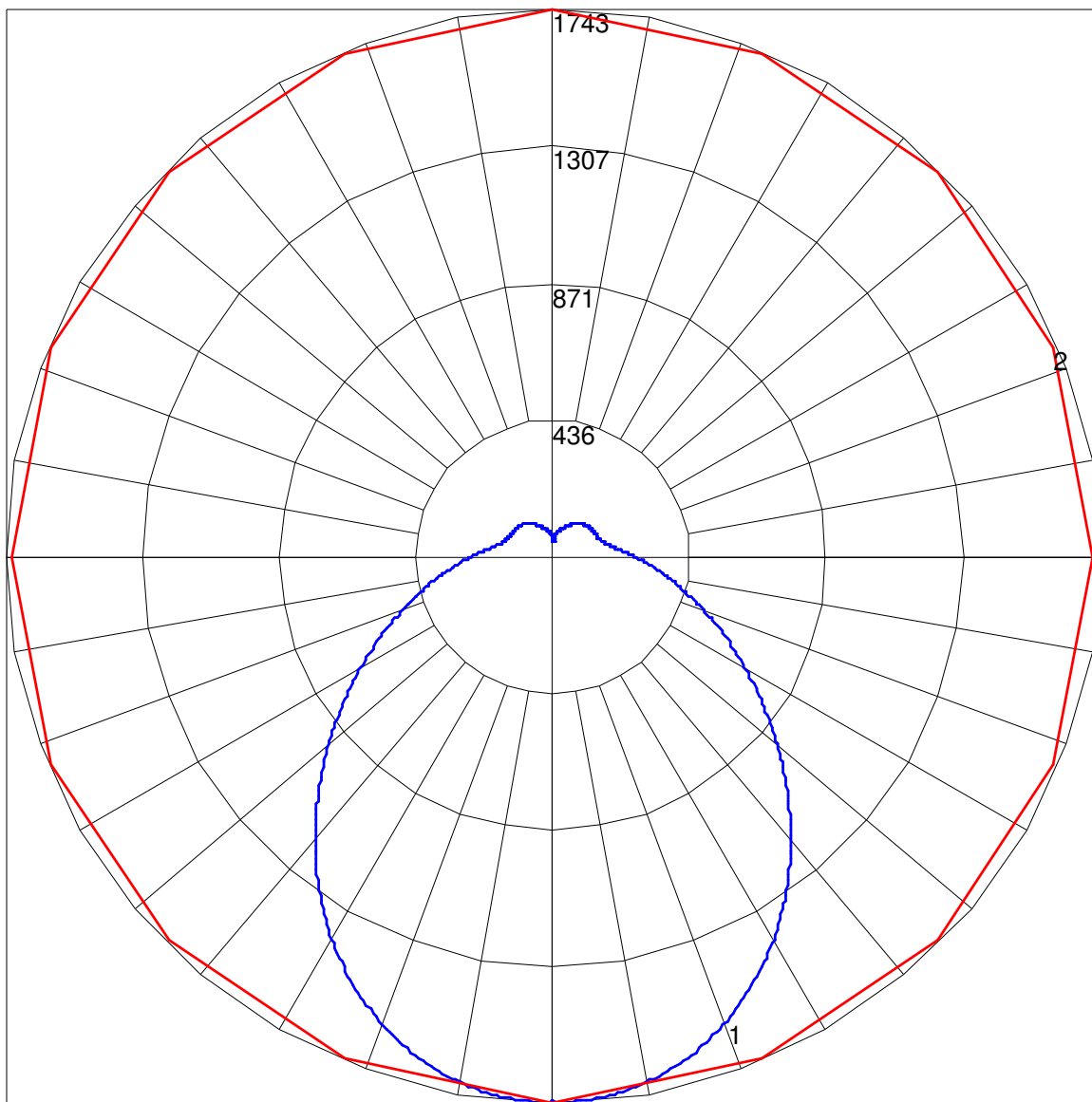
Reflectances

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	17.6	19.0	18.2	19.5	20.1	19.3	20.6	19.8	21.2	21.8
	3H	19.0	20.2	19.5	20.8	21.4	21.5	22.7	22.0	23.3	23.9
	4H	19.4	20.6	20.0	21.2	21.8	22.5	23.7	23.1	24.3	25.0
	6H	19.7	20.8	20.3	21.4	22.1	23.7	24.7	24.3	25.3	26.0
	8H	19.8	20.8	20.4	21.4	22.1	24.2	25.3	24.9	25.9	26.6
	12H	19.8	20.8	20.4	21.4	22.1	24.9	25.9	25.5	26.5	27.2
4H	2H	18.3	19.5	18.9	20.1	20.8	19.7	20.8	20.3	21.4	22.1
	3H	19.9	20.9	20.5	21.5	22.2	22.1	23.1	22.7	23.7	24.4
	4H	20.5	21.4	21.1	22.0	22.8	23.4	24.2	24.0	24.9	25.6
	6H	20.9	21.7	21.6	22.4	23.1	24.7	25.5	25.3	26.1	26.9
	8H	21.0	21.8	21.7	22.4	23.2	25.4	26.1	26.0	26.8	27.5
	12H	21.1	21.8	21.8	22.5	23.2	26.2	26.8	26.8	27.5	28.3
8H	4H	21.1	21.8	21.7	22.5	23.2	23.5	24.3	24.2	24.9	25.7
	6H	21.7	22.3	22.3	23.0	23.7	25.1	25.7	25.7	26.4	27.1
	8H	21.9	22.4	22.5	23.1	23.9	25.9	26.5	26.6	27.2	27.9
	12H	22.0	22.5	22.7	23.2	24.0	26.9	27.4	27.6	28.1	28.9
12H	4H	21.2	21.9	21.9	22.6	23.3	23.6	24.2	24.2	24.9	25.7
	6H	21.9	22.5	22.6	23.2	24.0	25.1	25.7	25.8	26.3	27.1
	8H	22.2	22.7	22.9	23.4	24.2	26.0	26.5	26.7	27.2	28.0

Maximum UGR = 28.9

POLAR GRAPH



Maximum Candela = 1742.712 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.)