

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L50-840-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-L50-840-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	5005
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	187
Total Luminaire Watts	26.7
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	10981	9836	9739
55	9509	8421	8550
65	7993	7212	7620
75	6411	6300	7122
85	4702	6198	7525

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L50-840-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	1619.778	1619.778	1619.778	1619.778	1619.778
0.5	1612.096	1618.241	1619.266	1618.754	1629.508
1.0	1612.096	1618.754	1618.754	1618.241	1628.996
1.5	1610.560	1618.754	1618.241	1617.729	1629.508
2.0	1610.048	1617.217	1618.241	1617.217	1627.971
2.5	1610.048	1617.217	1616.705	1616.705	1626.947
3.0	1608.511	1615.681	1615.681	1615.681	1625.923
3.5	1607.487	1614.145	1614.145	1614.657	1624.899
4.0	1606.463	1613.120	1613.120	1612.608	1623.875
4.5	1603.903	1611.584	1612.096	1611.584	1622.338
5.0	1602.366	1610.048	1610.048	1610.048	1620.802
5.5	1600.318	1607.999	1607.999	1608.511	1618.754
6.0	1599.294	1605.439	1605.951	1605.951	1616.705
6.5	1595.709	1603.390	1603.903	1603.903	1614.145
7.0	1593.661	1600.830	1601.342	1600.830	1612.096
7.5	1591.612	1597.757	1598.782	1598.782	1609.536
8.0	1589.052	1595.709	1595.709	1595.709	1605.951
8.5	1586.491	1592.124	1593.148	1593.148	1602.878
9.0	1582.394	1589.564	1590.076	1589.564	1599.294
9.5	1579.834	1585.979	1585.979	1585.979	1597.245
10.0	1575.737	1581.882	1581.882	1582.906	1593.148
10.5	1572.152	1578.297	1578.810	1578.810	1589.564
11.0	1568.568	1574.713	1575.225	1574.713	1585.467
11.5	1563.959	1570.616	1571.640	1570.616	1581.882
12.0	1559.862	1566.007	1567.031	1567.031	1577.273
12.5	1555.765	1561.398	1562.934	1561.910	1573.176
13.0	1551.156	1557.301	1558.326	1557.813	1568.568
13.5	1546.547	1552.180	1553.204	1553.204	1564.471
14.0	1540.914	1547.059	1548.083	1548.083	1558.838
14.5	1536.305	1541.938	1542.962	1542.962	1554.741
15.0	1531.696	1536.817	1537.329	1537.329	1548.596
15.5	1526.063	1530.672	1532.208	1532.208	1542.450
16.0	1519.918	1525.039	1526.575	1526.575	1537.329
16.5	1514.797	1518.894	1520.430	1520.942	1531.696
17.0	1507.627	1512.236	1514.285	1514.797	1525.551
17.5	1501.482	1506.091	1508.140	1508.652	1519.406
18.0	1495.849	1499.946	1501.482	1503.019	1513.773
18.5	1489.192	1493.801	1495.337	1496.361	1507.115
19.0	1482.534	1486.119	1488.680	1489.704	1499.946
19.5	1474.853	1479.974	1482.022	1484.071	1493.289
20.0	1466.659	1472.292	1474.853	1476.389	1486.119
20.5	1458.466	1465.635	1467.684	1469.732	1479.462
21.0	1451.808	1457.441	1458.978	1463.075	1472.292
21.5	1444.127	1449.760	1452.320	1454.369	1464.611
22.0	1435.933	1442.591	1445.151	1447.199	1457.954
22.5	1428.764	1433.373	1436.957	1440.030	1450.272
23.0	1420.058	1425.179	1428.764	1431.836	1442.078
23.5	1410.840	1416.473	1421.082	1424.155	1434.397
24.0	1401.622	1407.768	1412.377	1415.961	1426.203
24.5	1393.941	1399.062	1404.183	1407.255	1416.985
25.0	1385.235	1390.356	1395.989	1399.062	1408.792
25.5	1375.505	1381.650	1386.259	1390.868	1399.062
26.0	1366.287	1371.920	1378.066	1382.163	1391.380
26.5	1356.557	1362.191	1369.360	1372.945	1382.675

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L50-840-HE-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

27.0	1346.827	1351.949	1360.654	1365.263	1373.969
27.5	1335.561	1342.219	1350.924	1355.021	1365.263
28.0	1327.368	1332.489	1341.194	1345.803	1355.533
28.5	1316.613	1322.759	1331.464	1336.073	1345.803
29.0	1306.371	1312.517	1321.222	1326.856	1336.585
29.5	1295.617	1301.763	1310.980	1316.613	1326.343
30.0	1284.863	1291.521	1300.738	1307.908	1317.638
30.5	1273.597	1280.254	1291.008	1298.178	1307.396
31.0	1262.843	1269.500	1280.254	1287.936	1296.642
31.5	1251.577	1259.258	1270.012	1278.206	1287.424
32.0	1240.822	1247.480	1259.770	1267.452	1276.670
32.5	1229.044	1236.214	1249.016	1257.210	1266.428
33.0	1217.778	1225.459	1237.238	1246.968	1256.185
33.5	1207.024	1214.193	1226.996	1235.701	1245.431
34.0	1194.221	1202.415	1215.729	1225.459	1235.701
34.5	1182.443	1191.149	1204.975	1214.193	1224.435
35.0	1171.689	1178.858	1194.221	1203.951	1213.681
35.5	1157.862	1167.592	1182.443	1192.685	1202.415
36.0	1147.108	1155.301	1171.177	1181.419	1191.661
36.5	1133.793	1143.011	1159.398	1170.665	1181.419
37.0	1121.503	1131.233	1147.620	1158.886	1170.665
37.5	1108.700	1118.430	1136.354	1148.644	1158.886
38.0	1095.898	1106.140	1124.063	1136.866	1146.596
38.5	1082.583	1093.337	1112.285	1126.112	1135.329
39.0	1070.805	1080.535	1099.994	1114.333	1126.112
39.5	1057.490	1068.756	1088.216	1102.555	1113.821
40.0	1043.151	1055.442	1075.926	1091.801	1102.043
40.5	1029.837	1042.639	1064.147	1080.535	1090.777
41.0	1017.546	1029.837	1051.857	1068.756	1078.998
41.5	1004.231	1017.034	1039.566	1056.978	1067.732
42.0	990.917	1004.231	1027.276	1045.712	1056.466
42.5	978.114	990.917	1014.473	1033.933	1044.687
43.0	963.775	978.114	1002.695	1022.667	1033.421
43.5	951.485	964.800	989.893	1010.889	1022.155
44.0	937.658	951.485	977.090	999.623	1010.377
44.5	924.856	938.682	964.288	987.332	998.598
45.0	911.541	925.368	951.997	976.578	987.844
45.5	898.226	912.565	939.707	965.312	976.578
46.0	884.912	899.251	926.392	953.021	964.800
46.5	871.597	885.936	915.126	942.779	953.533
47.0	857.770	873.133	902.323	930.489	942.267
47.5	844.456	859.819	889.521	918.710	930.489
48.0	831.653	846.504	876.718	907.956	918.710
48.5	817.314	833.702	864.940	895.666	907.444
49.0	804.512	819.875	851.625	883.888	895.666
49.5	791.197	807.072	839.335	872.621	884.400
50.0	777.370	793.758	827.044	860.331	872.621
50.5	764.568	780.955	814.242	850.089	861.867
51.0	751.253	767.640	802.975	838.310	850.601
51.5	738.451	754.326	790.173	827.044	839.335
52.0	724.624	741.523	777.882	815.266	828.068
52.5	711.309	728.209	766.104	803.488	817.314
53.0	697.483	715.406	753.814	793.246	805.536
53.5	684.168	702.604	742.035	781.467	794.782
54.0	671.365	689.801	730.257	770.201	784.028
54.5	659.075	676.486	718.479	759.959	773.274

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L50-840-HE-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

55.0	646.272	664.196	706.700	748.181	763.544
55.5	635.518	651.393	694.922	737.426	751.765
56.0	623.228	640.127	683.656	726.672	741.011
56.5	610.425	628.349	671.877	715.918	730.769
57.0	598.135	616.570	660.611	705.164	720.015
57.5	585.332	604.280	650.881	694.922	708.237
58.0	572.530	591.990	639.615	683.656	699.531
58.5	560.239	579.699	628.349	673.926	689.289
59.0	547.949	567.409	617.595	665.220	678.535
59.5	535.658	555.630	607.865	654.466	670.341
60.0	523.368	543.340	597.111	644.224	660.099
60.5	511.334	531.562	586.356	634.494	649.857
61.0	499.248	519.783	575.602	624.764	640.127
61.5	487.265	508.107	564.848	615.034	630.909
62.0	475.486	496.534	554.606	605.816	621.179
62.5	463.862	485.063	543.852	596.598	611.962
63.0	452.083	473.643	533.610	586.869	603.768
63.5	440.407	462.377	523.880	577.651	594.550
64.0	429.039	451.264	513.638	567.921	585.332
64.5	417.721	440.407	503.908	558.703	576.114
65.0	406.506	429.500	494.127	549.485	567.409
65.5	395.445	418.848	484.448	540.267	558.191
66.0	384.230	408.196	474.872	531.049	549.485
66.5	373.271	397.801	465.347	522.344	540.779
67.0	362.568	387.507	455.873	513.126	532.074
67.5	351.814	377.368	446.604	504.523	523.368
68.0	341.213	367.484	437.386	495.817	515.174
68.5	330.766	357.652	428.373	487.367	506.622
69.0	320.371	347.922	419.463	478.866	498.531
69.5	310.129	338.397	410.654	470.621	490.491
70.0	299.938	329.025	402.000	462.530	482.502
70.5	290.003	319.756	393.345	454.439	474.616
71.0	280.171	310.590	384.844	446.450	466.832
71.5	270.441	301.628	376.548	438.666	459.150
72.0	260.916	292.615	368.252	430.934	451.674
72.5	251.340	283.909	360.161	423.354	444.248
73.0	242.019	275.255	352.121	415.878	436.772
73.5	232.955	266.703	344.337	408.452	429.500
74.0	223.993	258.407	336.451	401.283	422.177
74.5	215.185	250.059	328.923	394.165	415.263
75.0	206.428	241.917	321.446	387.200	408.555
75.5	197.825	233.979	314.072	380.287	401.744
76.0	189.478	226.195	306.903	373.425	395.086
76.5	181.182	218.514	299.784	366.716	388.429
77.0	172.988	210.883	292.769	360.059	381.977
77.5	164.948	203.458	285.855	353.606	375.575
78.0	157.010	196.186	279.147	347.256	369.277
78.5	149.226	189.017	272.489	340.855	363.029
79.0	141.596	182.052	266.037	334.658	356.884
79.5	134.017	175.139	259.687	328.616	350.738
80.0	126.540	168.328	253.337	322.624	344.901
80.5	119.268	161.722	247.191	316.581	338.960
81.0	112.201	155.218	241.302	310.743	333.173
81.5	105.032	148.868	235.413	304.957	327.387
82.0	98.119	142.672	229.678	299.375	321.805
82.5	91.359	136.578	224.044	293.793	316.325

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L50-840-HE-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

83.0	84.702	130.637	218.514	288.416	310.999
83.5	78.096	124.850	213.239	282.936	305.469
84.0	71.643	119.217	208.118	277.764	300.194
84.5	65.242	113.789	203.100	272.643	295.022
85.0	59.097	108.514	198.183	267.573	289.850
85.5	52.951	103.496	193.370	262.657	284.831
86.0	46.909	98.682	188.658	257.843	279.864
86.5	40.917	94.176	184.203	253.029	274.896
87.0	35.028	89.823	179.696	248.472	270.031
87.5	29.139	85.777	175.446	243.863	265.371
88.0	23.301	81.834	171.247	239.408	260.660
88.5	17.411	78.147	167.201	235.003	256.102
89.0	12.034	74.664	163.360	230.753	251.596
89.5	7.630	71.438	159.622	226.656	247.191
90.0	4.558	68.570	156.191	222.764	243.146
90.5	3.226	66.061	153.016	218.872	238.844
91.0	3.431	63.757	149.790	214.929	234.747
91.5	4.097	61.555	146.564	211.191	230.651
92.0	4.865	59.711	143.491	207.401	226.656
92.5	5.684	58.124	140.879	203.765	222.713
93.0	6.504	56.741	138.165	200.334	218.923
93.5	7.374	55.665	135.605	196.954	215.339
94.0	8.296	54.744	133.198	193.779	211.856
94.5	9.167	54.078	130.944	190.553	208.272
95.0	10.037	53.566	128.845	187.378	204.841
95.5	10.857	53.207	126.899	184.357	201.461
96.0	11.522	53.054	125.209	181.438	198.132
96.5	12.188	53.054	123.519	178.723	195.060
97.0	12.803	53.105	121.983	176.112	191.987
97.5	13.468	53.310	120.549	173.602	189.170
98.0	14.032	53.515	119.268	171.144	186.303
98.5	14.697	53.771	118.193	168.789	183.640
99.0	15.363	54.078	117.066	166.587	181.028
99.5	16.080	54.436	116.093	164.487	178.467
100.0	16.695	54.795	115.325	162.541	176.163
100.5	17.411	55.205	114.557	160.646	173.807
101.0	18.026	55.614	113.994	158.854	171.708
101.5	18.641	56.024	113.431	157.164	169.557
102.0	19.204	56.434	113.021	155.576	167.662
102.5	19.767	56.843	112.611	154.091	165.767
103.0	20.330	57.304	112.304	152.606	164.077
103.5	20.945	57.765	112.048	151.326	162.336
104.0	21.611	58.175	111.792	150.148	160.749
104.5	22.276	58.636	111.638	149.022	159.264
105.0	22.891	59.097	111.485	147.997	157.830
105.5	23.454	59.506	111.331	146.922	156.601
106.0	24.120	60.018	111.280	146.000	155.372
106.5	24.735	60.479	111.280	145.130	154.143
107.0	25.349	60.991	111.280	144.310	153.118
107.5	25.912	61.401	111.280	143.696	152.043
108.0	26.629	61.913	111.280	142.979	150.968
108.5	27.295	62.425	111.331	142.467	150.251
109.0	27.961	62.835	111.433	141.801	149.534
109.5	28.678	63.296	111.485	141.340	148.766
110.0	29.395	63.757	111.587	140.828	148.151
110.5	30.112	64.218	111.689	140.367	147.588

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L50-840-HE-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

111.0	30.829	64.678	111.741	139.957	146.973
111.5	31.545	65.088	111.792	139.650	146.461
112.0	32.314	65.549	111.894	139.343	145.847
112.5	33.082	66.010	111.997	138.984	145.283
113.0	33.901	66.471	112.150	138.728	145.027
113.5	34.669	66.880	112.150	138.472	144.669
114.0	35.489	67.290	112.253	138.267	144.310
114.5	36.257	67.751	112.355	138.011	144.003
115.0	37.076	68.110	112.458	137.858	143.747
115.5	37.896	68.570	112.458	137.704	143.491
116.0	38.664	68.980	112.611	137.499	143.184
116.5	39.381	69.390	112.714	137.294	143.081
117.0	40.200	69.851	112.816	137.294	142.825
117.5	40.968	70.209	112.918	137.090	142.672
118.0	41.634	70.568	113.021	136.987	142.467
118.5	42.402	70.926	113.072	136.834	142.415
119.0	43.068	71.285	113.174	136.680	142.108
119.5	43.785	71.541	113.277	136.526	142.057
120.0	44.450	71.797	113.226	136.424	141.801
120.5	45.116	72.104	113.277	136.219	141.750
121.0	45.782	72.309	113.379	136.065	141.545
121.5	46.499	72.565	113.328	135.861	141.442
122.0	47.165	72.872	113.328	135.758	141.289
122.5	47.830	73.179	113.379	135.553	140.930
123.0	48.496	73.487	113.328	135.348	140.879
123.5	49.111	73.743	113.226	135.195	140.572
124.0	49.623	73.947	113.226	135.041	140.521
124.5	50.135	74.152	113.226	134.785	140.316
125.0	50.647	74.408	113.123	134.529	140.111
125.5	51.159	74.562	113.021	134.375	139.855
126.0	51.620	74.767	112.970	134.068	139.650
126.5	52.030	75.023	112.867	133.863	139.497
127.0	52.490	75.125	112.765	133.607	139.292
127.5	52.849	75.279	112.611	133.351	138.933
128.0	53.310	75.279	112.560	133.044	138.728
128.5	53.668	75.381	112.355	132.788	138.524
129.0	54.027	75.484	112.150	132.532	138.267
129.5	54.334	75.637	111.792	132.122	137.960
130.0	54.590	75.740	111.433	131.866	137.653
130.5	54.846	75.842	111.024	131.559	137.294
131.0	55.000	75.996	110.614	131.098	136.936
131.5	55.205	76.150	110.204	130.688	136.578
132.0	55.409	76.303	109.743	130.432	136.270
132.5	55.512	76.354	109.231	129.920	135.809
133.0	55.665	76.406	109.026	129.459	135.246
133.5	55.717	76.354	108.719	129.101	134.990
134.0	55.768	76.252	108.514	128.691	134.632
134.5	55.922	76.047	108.258	128.230	133.966
135.0	56.075	75.893	107.951	127.616	133.454
135.5	56.024	75.484	107.695	127.206	133.044
136.0	56.126	75.433	107.337	126.694	132.532
136.5	56.229	75.279	107.080	126.131	132.020
137.0	56.280	75.023	106.671	125.670	131.457
137.5	56.331	74.767	106.312	125.055	130.944
138.0	56.434	74.613	105.800	124.543	130.330
138.5	56.434	74.408	105.134	123.980	129.869

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L50-840-HE-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

139.0	56.382	74.255	104.366	123.314	129.152
139.5	56.382	74.050	103.445	122.597	128.640
140.0	56.382	73.794	102.420	121.931	127.923
140.5	56.382	73.640	101.499	121.112	127.155
141.0	56.382	73.538	100.474	120.241	126.540
141.5	56.382	73.333	99.450	119.473	125.926
142.0	56.331	73.231	98.477	118.500	125.260
142.5	56.280	73.077	97.453	117.630	124.492
143.0	56.229	72.923	96.480	116.810	123.724
143.5	56.229	72.718	95.353	115.940	123.007
144.0	56.229	72.462	94.380	115.274	122.187
144.5	56.382	72.258	93.407	114.506	121.471
145.0	56.587	72.053	92.332	113.840	120.651
145.5	56.946	71.797	91.359	113.174	119.832
146.0	57.407	71.592	90.437	112.458	119.064
146.5	57.867	71.387	89.669	111.689	118.193
147.0	58.328	71.131	88.798	110.921	117.323
147.5	58.738	71.029	88.133	110.153	116.452
148.0	59.199	70.824	87.416	109.283	115.530
148.5	59.609	70.772	86.852	108.463	114.608
149.0	60.121	70.772	86.238	107.644	113.789
149.5	60.479	70.926	85.675	106.773	112.765
150.0	60.889	71.029	85.111	105.954	111.689
150.5	61.247	71.080	84.497	105.032	110.563
151.0	61.503	71.233	83.677	104.110	109.231
151.5	61.759	71.285	82.807	103.137	108.002
152.0	62.067	71.387	81.987	102.113	106.773
152.5	62.374	71.489	81.219	101.038	105.442
153.0	62.579	71.541	80.400	99.809	104.366
153.5	62.835	71.694	79.529	98.528	103.137
154.0	63.040	71.643	78.761	97.094	102.113
154.5	63.296	71.694	78.096	95.712	101.089
155.0	63.398	71.797	77.430	94.124	100.321
155.5	63.603	71.848	76.764	92.639	99.501
156.0	63.757	71.848	76.303	91.052	98.784
156.5	64.013	71.848	75.842	89.464	97.863
157.0	64.115	71.950	75.381	88.030	96.992
157.5	64.269	71.950	75.074	86.648	96.019
158.0	64.474	71.899	74.920	85.214	95.097
158.5	64.525	71.899	74.716	84.036	94.022
159.0	64.781	71.745	74.562	82.909	93.100
159.5	64.986	71.643	74.306	81.834	92.076
160.0	65.242	71.541	74.050	80.963	91.052
160.5	65.549	71.489	73.845	80.144	90.079
161.0	65.754	71.336	73.794	79.273	89.106
161.5	66.061	71.285	73.691	78.403	88.389
162.0	66.317	71.182	73.845	77.686	87.774
162.5	66.573	71.182	73.947	76.918	87.057
163.0	66.880	71.131	73.999	76.098	86.443
163.5	67.137	71.131	74.101	75.228	85.675
164.0	67.239	71.131	74.204	74.152	84.958
164.5	67.393	71.029	74.101	73.333	84.036
165.0	67.546	71.029	73.947	72.514	83.114
165.5	67.700	70.977	73.794	71.950	82.141
166.0	67.853	70.926	73.691	71.336	80.656
166.5	68.007	70.926	73.538	70.824	79.939

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 75W-4-L50-840-HE-DIM-UNV\_.IES

CANDELA TABULATION - (Cont.)

167.0	68.212	70.926	73.384	70.363	79.376
167.5	68.314	70.926	73.077	69.953	78.812
168.0	68.468	70.926	72.821	69.543	78.352
168.5	68.775	70.721	72.462	69.185	77.788
169.0	68.929	70.772	72.206	68.826	77.225
169.5	69.185	70.619	71.797	68.417	76.610
170.0	69.287	70.568	71.438	67.905	76.047
170.5	69.441	70.465	70.977	67.341	75.433
171.0	69.543	70.363	70.465	66.727	74.664
171.5	69.697	70.363	70.004	66.164	74.050
172.0	69.953	70.260	69.748	65.600	73.128
172.5	70.107	70.260	69.441	64.986	72.104
173.0	70.312	70.158	69.185	64.422	70.363
173.5	70.568	70.209	69.083	63.859	67.751
174.0	70.772	70.209	69.031	63.398	64.525
174.5	70.926	70.209	68.929	62.937	60.684
175.0	71.233	70.363	68.878	62.579	56.331
175.5	71.336	70.414	68.826	62.425	51.773
176.0	71.541	70.516	68.826	62.272	48.803
176.5	71.592	70.568	68.775	62.272	46.704
177.0	71.797	70.670	68.673	62.118	44.553
177.5	71.848	70.670	68.519	62.067	44.092
178.0	72.053	70.772	68.468	62.016	44.194
178.5	72.155	70.824	68.519	61.913	44.297
179.0	72.258	70.824	68.468	61.759	44.348
179.5	72.360	70.824	68.417	61.708	44.399
180.0	64.883	64.883	64.883	64.883	64.883



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L50-840-HE-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	586.29	N.A.	11.70
0-30	1228.48	N.A.	24.50
0-40	1973.38	N.A.	39.40
0-60	3339.69	N.A.	66.70
0-80	4160.66	N.A.	83.10
0-90	4367.13	N.A.	87.30
10-90	4214.29	N.A.	84.20
20-40	1387.09	N.A.	27.70
20-50	2120.64	N.A.	42.40
40-70	1853.01	N.A.	37.00
60-80	820.97	N.A.	16.40
70-80	334.27	N.A.	6.70
80-90	206.47	N.A.	4.10
90-110	241.16	N.A.	4.80
90-120	342.69	N.A.	6.80
90-130	436.13	N.A.	8.70
90-150	572.55	N.A.	11.40
90-180	637.77	N.A.	12.70
110-180	396.61	N.A.	7.90
0-180	5004.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	152.85
10-20	433.44
20-30	642.19
30-40	744.90
40-50	733.55
50-60	632.76
60-70	486.70
70-80	334.27
80-90	206.47
90-100	132.29
100-110	108.87
110-120	101.53
120-130	93.44
130-140	78.52
140-150	57.91
150-160	37.86
160-170	20.86
170-180	6.50

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L50-840-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-L50-840-HE-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

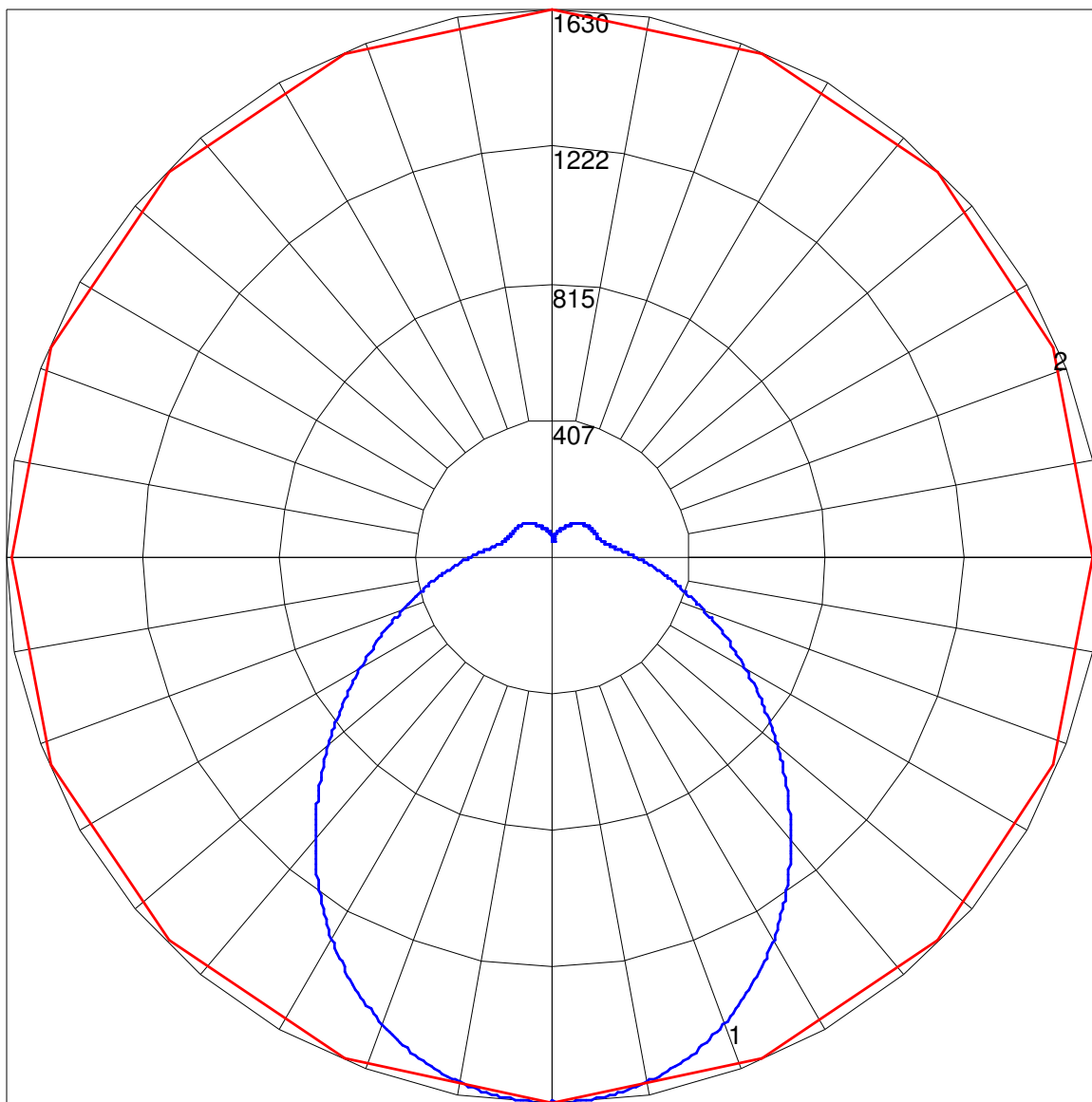
Reflectances

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	17.4	18.8	18.0	19.3	19.9	19.1	20.4	19.6	21.0	21.6
	3H	18.8	20.0	19.3	20.6	21.2	21.3	22.5	21.8	23.1	23.7
	4H	19.2	20.4	19.8	21.0	21.6	22.3	23.5	22.9	24.1	24.8
	6H	19.5	20.6	20.1	21.2	21.9	23.5	24.5	24.1	25.1	25.8
	8H	19.6	20.6	20.2	21.2	21.9	24.0	25.1	24.7	25.7	26.4
	12H	19.6	20.6	20.2	21.2	21.9	24.7	25.7	25.3	26.3	27.0
4H	2H	18.1	19.3	18.7	19.9	20.6	19.5	20.6	20.1	21.2	21.9
	3H	19.7	20.7	20.3	21.3	22.0	21.9	22.9	22.5	23.5	24.2
	4H	20.3	21.2	20.9	21.8	22.6	23.2	24.0	23.8	24.7	25.4
	6H	20.7	21.5	21.4	22.2	22.9	24.5	25.3	25.1	25.9	26.7
	8H	20.8	21.6	21.5	22.2	23.0	25.2	25.9	25.8	26.6	27.3
	12H	20.9	21.6	21.6	22.3	23.0	26.0	26.6	26.6	27.3	28.1
8H	4H	20.9	21.6	21.5	22.3	23.0	23.3	24.1	24.0	24.7	25.5
	6H	21.5	22.1	22.1	22.8	23.5	24.9	25.5	25.5	26.2	26.9
	8H	21.7	22.2	22.3	22.9	23.7	25.7	26.3	26.4	27.0	27.7
	12H	21.8	22.3	22.5	23.0	23.8	26.7	27.2	27.4	27.9	28.7
12H	4H	21.0	21.7	21.7	22.4	23.1	23.4	24.0	24.0	24.7	25.5
	6H	21.7	22.3	22.4	23.0	23.8	24.9	25.5	25.6	26.1	26.9
	8H	22.0	22.5	22.7	23.2	24.0	25.8	26.3	26.5	27.0	27.8

Maximum UGR = 28.7

POLAR GRAPH



Maximum Candela = 1629.508 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.)