

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L50-835-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-L50-835-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	4867
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	33
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	10679	9565	9471
55	9247	8189	8315
65	7773	7014	7410
75	6234	6127	6926
85	4573	6027	7318

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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	1575.189	1575.189	1575.189	1575.189	1575.189
0.5	1567.719	1573.695	1574.691	1574.193	1584.651
1.0	1567.719	1574.193	1574.193	1573.695	1584.153
1.5	1566.225	1574.193	1573.695	1573.197	1584.651
2.0	1565.727	1572.699	1573.695	1572.699	1583.157
2.5	1565.727	1572.699	1572.201	1572.201	1582.161
3.0	1564.233	1571.205	1571.205	1571.205	1581.165
3.5	1563.237	1569.711	1569.711	1570.209	1580.169
4.0	1562.241	1568.715	1568.715	1568.217	1579.173
4.5	1559.751	1567.221	1567.719	1567.221	1577.679
5.0	1558.257	1565.727	1565.727	1565.727	1576.185
5.5	1556.265	1563.735	1563.735	1564.233	1574.193
6.0	1555.269	1561.245	1561.743	1561.743	1572.201
6.5	1551.783	1559.253	1559.751	1559.751	1569.711
7.0	1549.791	1556.763	1557.261	1556.763	1567.719
7.5	1547.799	1553.775	1554.771	1554.771	1565.229
8.0	1545.309	1551.783	1551.783	1551.783	1561.743
8.5	1542.819	1548.297	1549.293	1549.293	1558.755
9.0	1538.835	1545.807	1546.305	1545.807	1555.269
9.5	1536.345	1542.321	1542.321	1542.321	1553.277
10.0	1532.360	1538.337	1538.337	1539.333	1549.293
10.5	1528.874	1534.850	1535.349	1535.349	1545.807
11.0	1525.388	1531.364	1531.862	1531.364	1541.823
11.5	1520.906	1527.380	1528.376	1527.380	1538.337
12.0	1516.922	1522.898	1523.894	1523.894	1533.854
12.5	1512.938	1518.416	1519.910	1518.914	1529.870
13.0	1508.456	1514.432	1515.428	1514.930	1525.388
13.5	1503.974	1509.452	1510.448	1510.448	1521.404
14.0	1498.496	1504.472	1505.468	1505.468	1515.926
14.5	1494.014	1499.492	1500.488	1500.488	1511.942
15.0	1489.532	1494.512	1495.010	1495.010	1505.966
15.5	1484.054	1488.536	1490.030	1490.030	1499.990
16.0	1478.078	1483.058	1484.552	1484.552	1495.010
16.5	1473.098	1477.082	1478.576	1479.074	1489.532
17.0	1466.126	1470.608	1472.600	1473.098	1483.556
17.5	1460.150	1464.632	1466.624	1467.122	1477.580
18.0	1454.672	1458.656	1460.150	1461.644	1472.102
18.5	1448.198	1452.680	1454.174	1455.170	1465.628
19.0	1441.724	1445.210	1447.700	1448.696	1458.656
19.5	1434.254	1439.234	1441.226	1443.218	1452.182
20.0	1426.285	1431.764	1434.254	1435.748	1445.210
20.5	1418.317	1425.289	1427.281	1429.274	1438.736
21.0	1411.843	1417.321	1418.815	1422.799	1431.764
21.5	1404.373	1409.851	1412.341	1414.333	1424.293
22.0	1396.405	1402.879	1405.369	1407.361	1417.819
22.5	1389.433	1393.915	1397.401	1400.389	1410.349
23.0	1380.967	1385.947	1389.433	1392.421	1402.381
23.5	1372.003	1377.481	1381.963	1384.951	1394.911
24.0	1363.039	1369.015	1373.497	1376.983	1386.943
24.5	1355.569	1360.549	1365.529	1368.517	1377.979
25.0	1347.103	1352.083	1357.561	1360.549	1370.011
25.5	1337.641	1343.617	1348.099	1352.581	1360.549
26.0	1328.677	1334.155	1340.131	1344.115	1353.079
26.5	1319.214	1324.693	1331.665	1335.151	1344.613

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**CANDELA TABULATION - (Cont.)**

27.0	1309.752	1314.732	1323.199	1327.681	1336.147
27.5	1298.796	1305.270	1313.736	1317.720	1327.681
28.0	1290.828	1295.808	1304.274	1308.756	1318.218
28.5	1280.370	1286.346	1294.812	1299.294	1308.756
29.0	1270.410	1276.386	1284.852	1290.330	1299.792
29.5	1259.952	1265.928	1274.892	1280.370	1289.832
30.0	1249.494	1255.968	1264.932	1271.904	1281.366
30.5	1238.538	1245.012	1255.470	1262.442	1271.406
31.0	1228.080	1234.554	1245.012	1252.482	1260.948
31.5	1217.123	1224.594	1235.052	1243.020	1251.984
32.0	1206.665	1213.139	1225.092	1232.562	1241.526
32.5	1195.211	1202.183	1214.633	1222.602	1231.566
33.0	1184.255	1191.725	1203.179	1212.641	1221.606
33.5	1173.797	1180.769	1193.219	1201.685	1211.147
34.0	1161.347	1169.315	1182.263	1191.725	1201.685
34.5	1149.893	1158.359	1171.805	1180.769	1190.729
35.0	1139.435	1146.407	1161.347	1170.809	1180.271
35.5	1125.989	1135.451	1149.893	1159.853	1169.315
36.0	1115.531	1123.499	1138.937	1148.897	1158.857
36.5	1102.582	1111.547	1127.483	1138.439	1148.897
37.0	1090.630	1100.092	1116.029	1126.985	1138.439
37.5	1078.180	1087.642	1105.072	1117.025	1126.985
38.0	1065.730	1075.690	1093.120	1105.570	1115.033
38.5	1052.782	1063.240	1081.666	1095.112	1104.076
39.0	1041.328	1050.790	1069.714	1083.658	1095.112
39.5	1028.380	1039.336	1058.260	1072.204	1083.160
40.0	1014.436	1026.388	1046.308	1061.746	1071.706
40.5	1001.487	1013.938	1034.854	1050.790	1060.750
41.0	989.535	1001.487	1022.902	1039.336	1049.296
41.5	976.587	989.037	1010.950	1027.882	1038.340
42.0	963.639	976.587	998.997	1016.926	1027.384
42.5	951.189	963.639	986.547	1005.471	1015.930
43.0	937.245	951.189	975.093	994.515	1004.973
43.5	925.293	938.241	962.643	983.061	994.017
44.0	911.847	925.293	950.193	972.105	982.563
44.5	899.396	912.843	937.743	960.153	971.109
45.0	886.448	899.895	925.791	949.695	960.651
45.5	873.500	887.444	913.839	938.739	949.695
46.0	860.552	874.496	900.891	926.787	938.241
46.5	847.604	861.548	889.934	916.827	927.285
47.0	834.158	849.098	877.484	904.875	916.329
47.5	821.210	836.150	865.034	893.420	904.875
48.0	808.760	823.202	852.584	882.962	893.420
48.5	794.816	810.752	841.130	871.010	882.464
49.0	782.365	797.306	828.182	859.556	871.010
49.5	769.417	784.855	816.230	848.600	860.054
50.0	755.971	771.907	804.278	836.648	848.600
50.5	743.521	759.457	791.827	826.688	838.142
51.0	730.573	746.509	780.871	815.234	827.186
51.5	718.123	733.561	768.421	804.278	816.230
52.0	704.677	721.111	756.469	792.823	805.274
52.5	691.729	708.163	745.015	781.369	794.816
53.0	678.282	695.713	733.063	771.409	783.361
53.5	665.334	683.262	721.609	759.955	772.903
54.0	652.884	670.812	710.155	748.999	762.445
54.5	640.932	657.864	698.701	739.039	751.987

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**CANDELA TABULATION - (Cont.)**

55.0	628.482	645.912	687.246	727.585	742.525
55.5	618.024	633.462	675.792	717.127	731.071
56.0	606.072	622.506	664.836	706.669	720.613
56.5	593.622	611.052	653.382	696.211	710.653
57.0	581.669	599.598	642.426	685.752	700.195
57.5	569.219	587.646	632.964	675.792	688.741
58.0	556.769	575.693	622.008	664.836	680.274
58.5	544.817	563.741	611.052	655.374	670.314
59.0	532.865	551.789	600.594	646.908	659.856
59.5	520.913	540.335	591.132	636.450	651.888
60.0	508.961	528.383	580.673	626.490	641.928
60.5	497.258	516.929	570.215	617.028	631.968
61.0	485.505	505.475	559.757	607.566	622.506
61.5	473.851	494.120	549.299	598.104	613.542
62.0	462.397	482.865	539.339	589.140	604.080
62.5	451.093	471.710	528.881	580.175	595.116
63.0	439.639	460.605	518.921	570.713	587.148
63.5	428.284	449.648	509.459	561.749	578.183
64.0	417.228	438.842	499.499	552.287	569.219
64.5	406.222	428.284	490.037	543.323	560.255
65.0	395.316	417.677	480.525	534.359	551.789
65.5	384.559	407.318	471.112	525.395	542.825
66.0	373.653	396.960	461.800	516.431	534.359
66.5	362.996	386.850	452.537	507.965	525.893
67.0	352.587	376.840	443.324	499.001	517.427
67.5	342.129	366.980	434.310	490.634	508.961
68.0	331.821	357.368	425.346	482.168	500.993
68.5	321.661	347.806	416.581	473.951	492.676
69.0	311.552	338.344	407.916	465.684	484.808
69.5	301.592	329.082	399.350	457.666	476.989
70.0	291.681	319.968	390.934	449.798	469.220
70.5	282.020	310.954	382.517	441.929	461.551
71.0	272.458	302.040	374.251	434.161	453.981
71.5	262.996	293.325	366.183	426.591	446.511
72.0	253.733	284.560	358.115	419.071	439.240
72.5	244.421	276.094	350.247	411.700	432.019
73.0	235.357	267.678	342.428	404.430	424.748
73.5	226.542	259.361	334.858	397.209	417.677
74.0	217.827	251.293	327.189	390.236	410.555
74.5	209.262	243.176	319.868	383.314	403.832
75.0	200.746	235.257	312.598	376.541	397.308
75.5	192.379	227.538	305.426	369.818	390.685
76.0	184.262	219.969	298.454	363.145	384.211
76.5	176.194	212.499	291.532	356.621	377.737
77.0	168.226	205.078	284.709	350.147	371.462
77.5	160.407	197.857	277.986	343.872	365.237
78.0	152.688	190.786	271.462	337.697	359.111
78.5	145.119	183.814	264.988	331.472	353.036
79.0	137.698	177.041	258.713	325.446	347.059
79.5	130.328	170.318	252.538	319.570	341.083
80.0	123.057	163.694	246.363	313.743	335.406
80.5	115.985	157.270	240.387	307.867	329.629
81.0	109.113	150.945	234.660	302.189	324.002
81.5	102.141	144.770	228.933	296.562	318.374
82.0	95.418	138.744	223.355	291.134	312.946
82.5	88.844	132.818	217.877	285.705	307.618

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**CANDELA TABULATION - (Cont.)**

83.0	82.370	127.041	212.499	280.476	302.438
83.5	75.946	121.414	207.369	275.148	297.060
84.0	69.671	115.935	202.389	270.118	291.930
84.5	63.446	110.657	197.509	265.138	286.901
85.0	57.470	105.527	192.728	260.207	281.871
85.5	51.494	100.647	188.047	255.427	276.990
86.0	45.617	95.966	183.465	250.745	272.160
86.5	39.791	91.583	179.132	246.064	267.329
87.0	34.064	87.350	174.750	241.632	262.598
87.5	28.336	83.416	170.616	237.150	258.066
88.0	22.659	79.581	166.533	232.817	253.484
88.5	16.932	75.996	162.599	228.534	249.052
89.0	11.703	72.609	158.864	224.401	244.670
89.5	7.420	69.472	155.228	220.417	240.387
90.0	4.432	66.683	151.891	216.632	236.453
90.5	3.137	64.243	148.804	212.847	232.269
91.0	3.337	62.002	145.666	209.013	228.285
91.5	3.984	59.860	142.529	205.377	224.301
92.0	4.731	58.067	139.541	201.692	220.417
92.5	5.528	56.524	137.001	198.156	216.582
93.0	6.325	55.179	134.362	194.819	212.897
93.5	7.171	54.133	131.872	191.533	209.411
94.0	8.068	53.237	129.531	188.445	206.025
94.5	8.914	52.589	127.340	185.308	202.539
95.0	9.761	52.091	125.298	182.220	199.202
95.5	10.558	51.743	123.406	179.282	195.915
96.0	11.205	51.593	121.762	176.443	192.678
96.5	11.853	51.593	120.119	173.804	189.690
97.0	12.450	51.643	118.625	171.264	186.702
97.5	13.098	51.842	117.230	168.824	183.963
98.0	13.645	52.041	115.985	166.433	181.174
98.5	14.293	52.290	114.939	164.142	178.584
99.0	14.940	52.589	113.844	162.001	176.045
99.5	15.637	52.938	112.898	159.959	173.555
100.0	16.235	53.287	112.151	158.067	171.314
100.5	16.932	53.685	111.404	156.224	169.023
101.0	17.530	54.083	110.856	154.481	166.981
101.5	18.127	54.482	110.308	152.838	164.889
102.0	18.675	54.880	109.910	151.294	163.047
102.5	19.223	55.279	109.511	149.850	161.204
103.0	19.771	55.727	109.212	148.405	159.561
103.5	20.368	56.175	108.963	147.160	157.867
104.0	21.016	56.573	108.714	146.015	156.324
104.5	21.663	57.022	108.565	144.919	154.879
105.0	22.261	57.470	108.416	143.923	153.485
105.5	22.809	57.868	108.266	142.878	152.290
106.0	23.456	58.366	108.216	141.981	151.095
106.5	24.054	58.814	108.216	141.135	149.899
107.0	24.651	59.312	108.216	140.338	148.903
107.5	25.199	59.711	108.216	139.740	147.858
108.0	25.896	60.209	108.216	139.043	146.812
108.5	26.544	60.707	108.266	138.545	146.115
109.0	27.191	61.105	108.366	137.898	145.417
109.5	27.888	61.553	108.416	137.449	144.670
110.0	28.585	62.002	108.515	136.951	144.073
110.5	29.283	62.450	108.615	136.503	143.525

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**CANDELA TABULATION - (Cont.)**

111.0	29.980	62.898	108.665	136.105	142.927
111.5	30.677	63.296	108.714	135.806	142.429
112.0	31.424	63.745	108.814	135.507	141.832
112.5	32.171	64.193	108.914	135.158	141.284
113.0	32.968	64.641	109.063	134.909	141.035
113.5	33.715	65.039	109.063	134.660	140.686
114.0	34.512	65.438	109.163	134.461	140.338
114.5	35.259	65.886	109.262	134.212	140.039
115.0	36.056	66.235	109.362	134.063	139.790
115.5	36.852	66.683	109.362	133.913	139.541
116.0	37.599	67.081	109.511	133.714	139.242
116.5	38.297	67.480	109.611	133.515	139.143
117.0	39.093	67.928	109.710	133.515	138.894
117.5	39.840	68.276	109.810	133.316	138.744
118.0	40.488	68.625	109.910	133.216	138.545
118.5	41.235	68.974	109.959	133.067	138.495
119.0	41.882	69.322	110.059	132.917	138.196
119.5	42.579	69.571	110.159	132.768	138.147
120.0	43.227	69.820	110.109	132.668	137.898
120.5	43.874	70.119	110.159	132.469	137.848
121.0	44.522	70.318	110.258	132.320	137.649
121.5	45.219	70.567	110.208	132.121	137.549
122.0	45.866	70.866	110.208	132.021	137.399
122.5	46.514	71.165	110.258	131.822	137.051
123.0	47.161	71.464	110.208	131.623	137.001
123.5	47.759	71.713	110.109	131.473	136.702
124.0	48.257	71.912	110.109	131.324	136.652
124.5	48.755	72.111	110.109	131.075	136.453
125.0	49.253	72.360	110.009	130.826	136.254
125.5	49.751	72.509	109.910	130.676	136.005
126.0	50.199	72.709	109.860	130.378	135.806
126.5	50.597	72.958	109.760	130.178	135.656
127.0	51.045	73.057	109.661	129.929	135.457
127.5	51.394	73.207	109.511	129.680	135.109
128.0	51.842	73.207	109.461	129.382	134.909
128.5	52.191	73.306	109.262	129.133	134.710
129.0	52.539	73.406	109.063	128.884	134.461
129.5	52.838	73.555	108.714	128.485	134.162
130.0	53.087	73.655	108.366	128.236	133.864
130.5	53.336	73.754	107.967	127.937	133.515
131.0	53.486	73.904	107.569	127.489	133.166
131.5	53.685	74.053	107.171	127.091	132.818
132.0	53.884	74.203	106.722	126.842	132.519
132.5	53.984	74.253	106.224	126.344	132.071
133.0	54.133	74.302	106.025	125.896	131.523
133.5	54.183	74.253	105.726	125.547	131.274
134.0	54.233	74.153	105.527	125.149	130.925
134.5	54.382	73.954	105.278	124.700	130.278
135.0	54.532	73.804	104.979	124.103	129.780
135.5	54.482	73.406	104.730	123.704	129.382
136.0	54.581	73.356	104.382	123.206	128.884
136.5	54.681	73.207	104.133	122.659	128.386
137.0	54.731	72.958	103.734	122.210	127.838
137.5	54.781	72.709	103.386	121.613	127.340
138.0	54.880	72.559	102.888	121.115	126.742
138.5	54.880	72.360	102.240	120.567	126.294

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

139.0	54.830	72.211	101.493	119.920	125.597
139.5	54.830	72.011	100.597	119.222	125.099
140.0	54.830	71.762	99.601	118.575	124.402
140.5	54.830	71.613	98.705	117.778	123.655
141.0	54.830	71.513	97.709	116.932	123.057
141.5	54.830	71.314	96.713	116.184	122.459
142.0	54.781	71.215	95.766	115.238	121.812
142.5	54.731	71.065	94.770	114.392	121.065
143.0	54.681	70.916	93.824	113.595	120.318
143.5	54.681	70.717	92.728	112.748	119.621
144.0	54.681	70.468	91.782	112.101	118.824
144.5	54.830	70.268	90.836	111.354	118.127
145.0	55.030	70.069	89.790	110.706	117.330
145.5	55.378	69.820	88.844	110.059	116.533
146.0	55.826	69.621	87.948	109.362	115.786
146.5	56.275	69.422	87.201	108.615	114.939
147.0	56.723	69.173	86.354	107.868	114.093
147.5	57.121	69.073	85.707	107.121	113.246
148.0	57.569	68.874	85.009	106.274	112.350
148.5	57.968	68.824	84.462	105.477	111.453
149.0	58.466	68.824	83.864	104.681	110.657
149.5	58.814	68.974	83.316	103.834	109.661
150.0	59.213	69.073	82.768	103.037	108.615
150.5	59.561	69.123	82.171	102.141	107.519
151.0	59.810	69.272	81.374	101.244	106.224
151.5	60.059	69.322	80.527	100.298	105.029
152.0	60.358	69.422	79.731	99.302	103.834
152.5	60.657	69.521	78.984	98.256	102.539
153.0	60.856	69.571	78.187	97.061	101.493
153.5	61.105	69.721	77.340	95.816	100.298
154.0	61.304	69.671	76.593	94.422	99.302
154.5	61.553	69.721	75.946	93.077	98.306
155.0	61.653	69.820	75.298	91.533	97.559
155.5	61.852	69.870	74.651	90.089	96.762
156.0	62.002	69.870	74.203	88.545	96.065
156.5	62.251	69.870	73.754	87.001	95.169
157.0	62.350	69.970	73.306	85.607	94.322
157.5	62.500	69.970	73.007	84.262	93.376
158.0	62.699	69.920	72.858	82.868	92.479
158.5	62.749	69.920	72.659	81.723	91.434
159.0	62.998	69.770	72.509	80.627	90.537
159.5	63.197	69.671	72.260	79.581	89.541
160.0	63.446	69.571	72.011	78.735	88.545
160.5	63.745	69.521	71.812	77.938	87.599
161.0	63.944	69.372	71.762	77.091	86.653
161.5	64.243	69.322	71.663	76.245	85.956
162.0	64.492	69.223	71.812	75.547	85.358
162.5	64.741	69.223	71.912	74.800	84.661
163.0	65.039	69.173	71.962	74.003	84.063
163.5	65.288	69.173	72.061	73.157	83.316
164.0	65.388	69.173	72.161	72.111	82.619
164.5	65.537	69.073	72.061	71.314	81.723
165.0	65.687	69.073	71.912	70.517	80.826
165.5	65.836	69.023	71.762	69.970	79.880
166.0	65.986	68.974	71.663	69.372	78.436
166.5	66.135	68.974	71.513	68.874	77.739

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

167.0	66.334	68.974	71.364	68.426	77.191
167.5	66.434	68.974	71.065	68.027	76.643
168.0	66.583	68.974	70.816	67.629	76.195
168.5	66.882	68.774	70.468	67.280	75.647
169.0	67.031	68.824	70.219	66.932	75.099
169.5	67.280	68.675	69.820	66.533	74.502
170.0	67.380	68.625	69.472	66.035	73.954
170.5	67.529	68.525	69.023	65.488	73.356
171.0	67.629	68.426	68.525	64.890	72.609
171.5	67.778	68.426	68.077	64.342	72.011
172.0	68.027	68.326	67.828	63.794	71.115
172.5	68.177	68.326	67.529	63.197	70.119
173.0	68.376	68.227	67.280	62.649	68.426
173.5	68.625	68.276	67.181	62.101	65.886
174.0	68.824	68.276	67.131	61.653	62.749
174.5	68.974	68.276	67.031	61.205	59.014
175.0	69.272	68.426	66.982	60.856	54.781
175.5	69.372	68.476	66.932	60.707	50.348
176.0	69.571	68.575	66.932	60.557	47.460
176.5	69.621	68.625	66.882	60.557	45.418
177.0	69.820	68.725	66.782	60.408	43.326
177.5	69.870	68.725	66.633	60.358	42.878
178.0	70.069	68.824	66.583	60.308	42.978
178.5	70.169	68.874	66.633	60.209	43.077
179.0	70.268	68.874	66.583	60.059	43.127
179.5	70.368	68.874	66.533	60.010	43.177
180.0	63.097	63.097	63.097	63.097	63.097



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L50-835-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	570.15	N.A.	11.70
0-30	1194.66	N.A.	24.50
0-40	1919.06	N.A.	39.40
0-60	3247.76	N.A.	66.70
0-80	4046.13	N.A.	83.10
0-90	4246.92	N.A.	87.30
10-90	4098.28	N.A.	84.20
20-40	1348.91	N.A.	27.70
20-50	2062.26	N.A.	42.40
40-70	1802.00	N.A.	37.00
60-80	798.37	N.A.	16.40
70-80	325.07	N.A.	6.70
80-90	200.79	N.A.	4.10
90-110	234.52	N.A.	4.80
90-120	333.25	N.A.	6.80
90-130	424.12	N.A.	8.70
90-150	556.79	N.A.	11.40
90-180	620.22	N.A.	12.70
110-180	385.69	N.A.	7.90
0-180	4867.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	148.64
10-20	421.51
20-30	624.51
30-40	724.40
40-50	713.35
50-60	615.35
60-70	473.30
70-80	325.07
80-90	200.79
90-100	128.65
100-110	105.88
110-120	98.73
120-130	90.87
130-140	76.36
140-150	56.31
150-160	36.82
160-170	20.29
170-180	6.32

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L50-835-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-L50-835-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

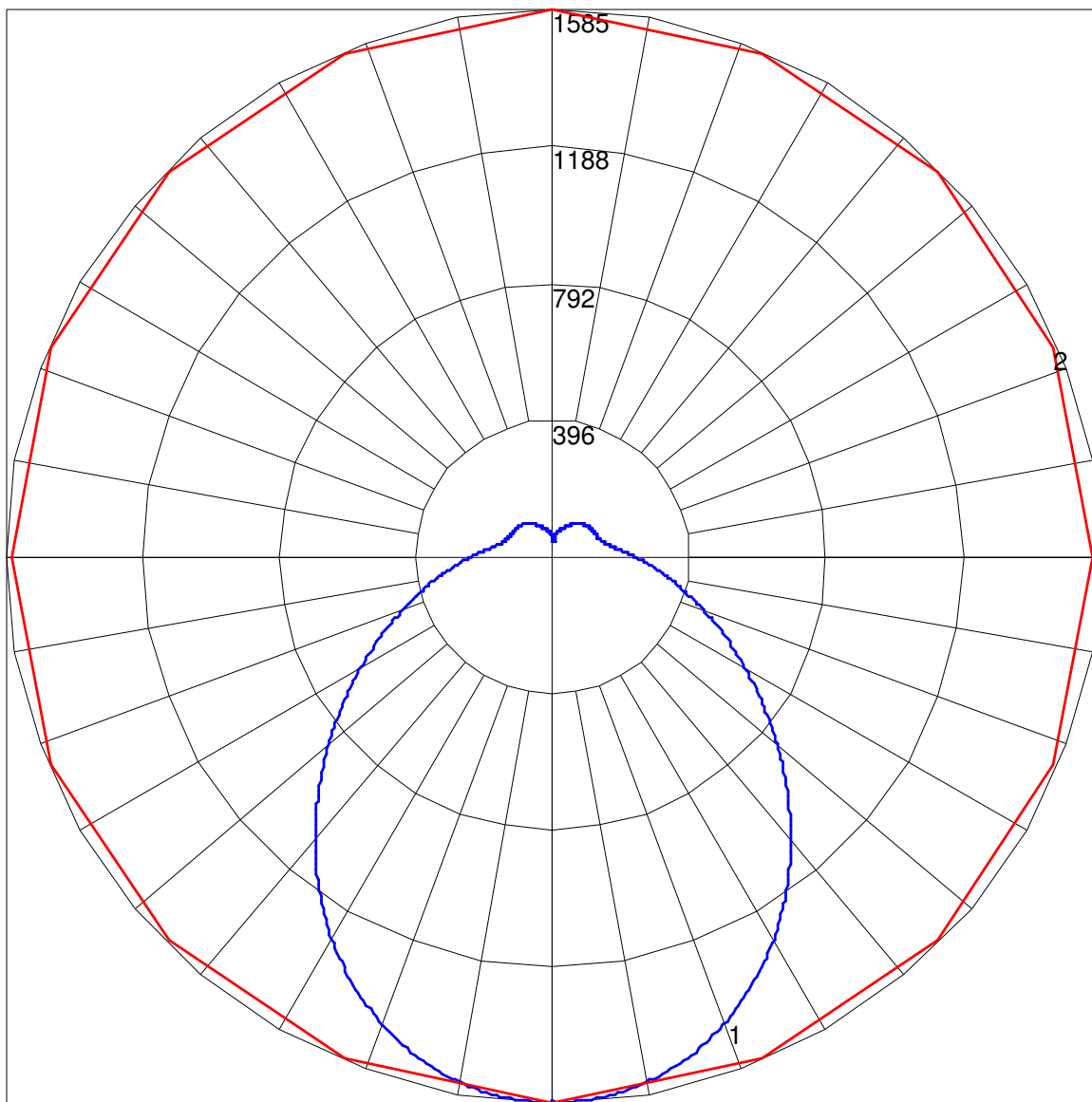
Reflectances

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	17.3	18.7	17.9	19.2	19.8	19.0	20.3	19.5	20.9	21.5
	3H	18.7	19.9	19.2	20.5	21.1	21.2	22.4	21.7	23.0	23.6
	4H	19.1	20.3	19.7	20.9	21.5	22.2	23.4	22.8	24.0	24.7
	6H	19.4	20.5	20.0	21.1	21.8	23.4	24.4	24.0	25.0	25.7
	8H	19.5	20.5	20.1	21.1	21.8	23.9	25.0	24.6	25.6	26.3
	12H	19.5	20.5	20.1	21.1	21.8	24.6	25.6	25.2	26.2	26.9
4H	2H	18.0	19.2	18.6	19.8	20.5	19.4	20.5	20.0	21.1	21.8
	3H	19.6	20.6	20.2	21.2	21.9	21.8	22.8	22.4	23.4	24.1
	4H	20.2	21.1	20.8	21.7	22.5	23.1	23.9	23.7	24.6	25.3
	6H	20.6	21.4	21.3	22.1	22.8	24.4	25.2	25.0	25.8	26.6
	8H	20.7	21.5	21.4	22.1	22.9	25.1	25.8	25.7	26.5	27.2
	12H	20.8	21.5	21.5	22.2	22.9	25.9	26.5	26.5	27.2	28.0
8H	4H	20.8	21.5	21.4	22.2	22.9	23.2	24.0	23.9	24.6	25.4
	6H	21.4	22.0	22.0	22.7	23.4	24.8	25.4	25.4	26.1	26.8
	8H	21.6	22.1	22.2	22.8	23.6	25.6	26.2	26.3	26.9	27.6
	12H	21.7	22.2	22.4	22.9	23.7	26.6	27.1	27.3	27.8	28.6
12H	4H	20.9	21.6	21.6	22.3	23.0	23.3	23.9	23.9	24.6	25.4
	6H	21.6	22.2	22.3	22.9	23.7	24.8	25.4	25.5	26.0	26.8
	8H	21.9	22.4	22.6	23.1	23.9	25.7	26.2	26.4	26.9	27.7

Maximum UGR = 28.6

POLAR GRAPH



Maximum Candela = 1584.651 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.)