

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L50-827-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-L50-827-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	4721
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
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	10359	9278	9187
55	8970	7943	8065
65	7540	6803	7188
75	6047	5943	6719
85	4436	5846	7098

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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	1527.933	1527.933	1527.933	1527.933	1527.933
0.5	1520.687	1526.484	1527.450	1526.967	1537.112
1.0	1520.687	1526.967	1526.967	1526.484	1536.628
1.5	1519.238	1526.967	1526.484	1526.001	1537.112
2.0	1518.755	1525.518	1526.484	1525.518	1535.662
2.5	1518.755	1525.518	1525.035	1525.035	1534.696
3.0	1517.306	1524.069	1524.069	1524.069	1533.730
3.5	1516.340	1522.620	1522.620	1523.103	1532.764
4.0	1515.374	1521.653	1521.653	1521.170	1531.798
4.5	1512.958	1520.204	1520.687	1520.204	1530.349
5.0	1511.509	1518.755	1518.755	1518.755	1528.899
5.5	1509.577	1516.823	1516.823	1517.306	1526.967
6.0	1508.611	1514.407	1514.891	1514.891	1525.035
6.5	1505.229	1512.475	1512.958	1512.958	1522.620
7.0	1503.297	1510.060	1510.543	1510.060	1520.687
7.5	1501.365	1507.162	1508.128	1508.128	1518.272
8.0	1498.949	1505.229	1505.229	1505.229	1514.891
8.5	1496.534	1501.848	1502.814	1502.814	1511.992
9.0	1492.670	1499.432	1499.916	1499.432	1508.611
9.5	1490.254	1496.051	1496.051	1496.051	1506.678
10.0	1486.390	1492.187	1492.187	1493.153	1502.814
10.5	1483.008	1488.805	1489.288	1489.288	1499.432
11.0	1479.627	1485.424	1485.907	1485.424	1495.568
11.5	1475.279	1481.559	1482.525	1481.559	1492.187
12.0	1471.415	1477.212	1478.178	1478.178	1487.839
12.5	1467.550	1472.864	1474.313	1473.347	1483.974
13.0	1463.203	1468.999	1469.966	1469.482	1479.627
13.5	1458.855	1464.169	1465.135	1465.135	1475.762
14.0	1453.541	1459.338	1460.304	1460.304	1470.449
14.5	1449.194	1454.507	1455.474	1455.474	1466.584
15.0	1444.846	1449.677	1450.160	1450.160	1460.787
15.5	1439.532	1443.880	1445.329	1445.329	1454.991
16.0	1433.736	1438.566	1440.016	1440.016	1450.160
16.5	1428.905	1432.770	1434.219	1434.702	1444.846
17.0	1422.142	1426.490	1428.422	1428.905	1439.049
17.5	1416.345	1420.693	1422.625	1423.108	1433.253
18.0	1411.032	1414.896	1416.345	1417.795	1427.939
18.5	1404.752	1409.099	1410.549	1411.515	1421.659
19.0	1398.472	1401.853	1404.269	1405.235	1414.896
19.5	1391.226	1396.057	1397.989	1399.921	1408.616
20.0	1383.497	1388.811	1391.226	1392.675	1401.853
20.5	1375.768	1382.531	1384.463	1386.395	1395.574
21.0	1369.488	1374.802	1376.251	1380.116	1388.811
21.5	1362.242	1367.556	1369.971	1371.903	1381.565
22.0	1354.513	1360.793	1363.208	1365.141	1375.285
22.5	1347.750	1352.098	1355.479	1358.378	1368.039
23.0	1339.538	1344.369	1347.750	1350.649	1360.310
23.5	1330.843	1336.157	1340.504	1343.403	1353.064
24.0	1322.148	1327.945	1332.292	1335.674	1345.335
24.5	1314.902	1319.732	1324.563	1327.461	1336.640
25.0	1306.690	1311.520	1316.834	1319.732	1328.911
25.5	1297.511	1303.308	1307.656	1312.003	1319.732
26.0	1288.816	1294.130	1299.927	1303.791	1312.486
26.5	1279.638	1284.952	1291.715	1295.096	1304.274

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**CANDELA TABULATION - (Cont.)**

27.0	1270.460	1275.291	1283.503	1287.850	1296.062
27.5	1259.832	1266.112	1274.324	1278.189	1287.850
28.0	1252.103	1256.934	1265.146	1269.494	1278.672
28.5	1241.959	1247.756	1255.968	1260.316	1269.494
29.0	1232.298	1238.095	1246.307	1251.620	1260.799
29.5	1222.153	1227.950	1236.645	1241.959	1251.137
30.0	1212.009	1218.289	1226.984	1233.747	1242.925
30.5	1201.382	1207.661	1217.806	1224.569	1233.264
31.0	1191.237	1197.517	1207.661	1214.907	1223.120
31.5	1180.610	1187.856	1198.000	1205.729	1214.424
32.0	1170.466	1176.745	1188.339	1195.585	1204.280
32.5	1159.355	1166.118	1178.195	1185.924	1194.619
33.0	1148.728	1155.974	1167.084	1176.262	1184.957
33.5	1138.583	1145.346	1157.423	1165.635	1174.813
34.0	1126.507	1134.236	1146.795	1155.974	1165.635
34.5	1115.396	1123.608	1136.651	1145.346	1155.007
35.0	1105.252	1112.015	1126.507	1135.685	1144.863
35.5	1092.209	1101.387	1115.396	1125.057	1134.236
36.0	1082.065	1089.794	1104.769	1114.430	1124.091
36.5	1069.505	1078.200	1093.658	1104.286	1114.430
37.0	1057.911	1067.090	1082.548	1093.175	1104.286
37.5	1045.835	1055.013	1071.920	1083.514	1093.175
38.0	1033.758	1043.420	1060.327	1072.403	1081.582
38.5	1021.199	1031.343	1049.216	1062.259	1070.954
39.0	1010.088	1019.266	1037.623	1051.149	1062.259
39.5	997.528	1008.156	1026.512	1040.038	1050.665
40.0	984.003	995.596	1014.919	1029.894	1039.555
40.5	971.443	983.520	1003.808	1019.266	1028.928
41.0	959.849	971.443	992.215	1008.156	1017.817
41.5	947.290	959.366	980.621	997.045	1007.190
42.0	934.730	947.290	969.028	986.418	996.562
42.5	922.653	934.730	956.951	975.307	985.452
43.0	909.128	922.653	945.840	964.680	974.824
43.5	897.534	910.094	933.764	953.570	964.197
44.0	884.491	897.534	921.687	942.942	953.086
44.5	872.415	885.457	909.611	931.349	941.976
45.0	859.855	872.898	898.017	921.204	931.832
45.5	847.295	860.821	886.424	910.577	921.204
46.0	834.736	848.261	873.864	898.983	910.094
46.5	822.176	835.702	863.236	889.322	899.466
47.0	809.133	823.625	851.160	877.728	888.839
47.5	796.574	811.065	839.083	866.618	877.728
48.0	784.497	798.506	827.007	856.474	866.618
48.5	770.971	786.429	815.896	844.880	855.990
49.0	758.894	773.386	803.336	833.769	844.880
49.5	746.335	761.310	791.743	823.142	834.253
50.0	733.292	748.750	780.149	811.549	823.142
50.5	721.215	736.674	768.073	801.887	812.998
51.0	708.656	724.114	757.445	790.777	802.370
51.5	696.579	711.554	745.369	780.149	791.743
52.0	683.536	699.478	733.775	769.039	781.115
52.5	670.977	686.918	722.665	757.928	770.971
53.0	657.934	674.841	711.071	748.267	759.861
53.5	645.374	662.765	699.961	737.157	749.716
54.0	633.298	650.688	688.850	726.529	739.572
54.5	621.704	638.128	677.740	716.868	729.428

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**CANDELA TABULATION - (Cont.)**

55.0	609.628	626.535	666.629	705.757	720.249
55.5	599.483	614.458	655.519	695.613	709.139
56.0	587.890	603.831	644.891	685.469	698.994
56.5	575.813	592.720	633.781	675.324	689.333
57.0	564.219	581.610	623.153	665.180	679.189
57.5	552.143	570.016	613.975	655.519	668.078
58.0	540.066	558.423	603.348	644.891	659.866
58.5	528.473	546.829	592.720	635.713	650.205
59.0	516.879	535.236	582.576	627.501	640.061
59.5	505.286	524.125	573.398	617.357	632.332
60.0	493.692	512.532	563.253	607.695	622.670
60.5	482.340	501.421	553.109	598.517	613.009
61.0	470.940	490.311	542.965	589.339	603.831
61.5	459.636	479.297	532.820	580.161	595.136
62.0	448.525	468.379	523.159	571.465	585.957
62.5	437.560	457.559	513.015	562.770	577.262
63.0	426.449	446.786	503.353	553.592	569.533
63.5	415.436	436.159	494.175	544.897	560.838
64.0	404.712	425.677	484.514	535.719	552.143
64.5	394.036	415.436	475.336	527.023	543.448
65.0	383.457	405.146	466.109	518.328	535.236
65.5	373.022	395.099	456.979	509.633	526.540
66.0	362.443	385.051	447.946	500.938	518.328
66.5	352.106	375.245	438.961	492.726	510.116
67.0	342.010	365.535	430.024	484.031	501.904
67.5	331.865	355.970	421.281	475.915	493.692
68.0	321.866	346.647	412.585	467.703	485.963
68.5	312.011	337.372	404.084	459.733	477.896
69.0	302.205	328.194	395.678	451.714	470.263
69.5	292.544	319.209	387.369	443.936	462.679
70.0	282.931	310.369	379.206	436.304	455.143
70.5	273.559	301.626	371.042	428.672	447.704
71.0	264.285	292.979	363.023	421.136	440.362
71.5	255.106	284.525	355.197	413.793	433.116
72.0	246.121	276.023	347.372	406.499	426.063
72.5	237.088	267.811	339.739	399.349	419.059
73.0	228.296	259.647	332.155	392.297	412.006
73.5	219.746	251.580	324.813	385.292	405.146
74.0	211.292	243.754	317.373	378.529	398.238
74.5	202.984	235.880	310.272	371.815	391.717
75.0	194.723	228.200	303.220	365.245	385.389
75.5	186.608	220.712	296.264	358.724	378.964
76.0	178.734	213.370	289.501	352.251	372.684
76.5	170.908	206.124	282.786	345.923	366.404
77.0	163.179	198.926	276.168	339.643	360.318
77.5	155.595	191.922	269.647	333.556	354.280
78.0	148.108	185.062	263.319	327.566	348.338
78.5	140.765	178.299	257.039	321.528	342.444
79.0	133.567	171.729	250.952	315.683	336.648
79.5	126.418	165.208	244.962	309.983	330.851
80.0	119.365	158.783	238.972	304.331	325.344
80.5	112.506	152.552	233.175	298.631	319.740
81.0	105.839	146.417	227.620	293.124	314.282
81.5	99.077	140.427	222.065	287.665	308.823
82.0	92.555	134.582	216.654	282.400	303.558
82.5	86.179	128.833	211.341	277.134	298.389

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**CANDELA TABULATION - (Cont.)**

83.0	79.899	123.230	206.124	272.062	293.365
83.5	73.667	117.771	201.148	266.893	288.148
84.0	67.581	112.457	196.317	262.014	283.172
84.5	61.542	107.337	191.583	257.184	278.294
85.0	55.746	102.361	186.946	252.401	273.415
85.5	49.949	97.627	182.405	247.764	268.681
86.0	44.249	93.087	177.961	243.223	263.995
86.5	38.597	88.836	173.758	238.682	259.309
87.0	33.042	84.730	169.507	234.383	254.720
87.5	27.486	80.913	165.498	230.035	250.324
88.0	21.979	77.194	161.537	225.833	245.880
88.5	16.424	73.716	157.721	221.678	241.581
89.0	11.352	70.431	154.098	217.669	237.330
89.5	7.198	67.388	150.571	213.804	233.175
90.0	4.299	64.682	147.335	210.133	229.359
90.5	3.043	62.315	144.340	206.462	225.301
91.0	3.237	60.142	141.296	202.742	221.437
91.5	3.865	58.064	138.253	199.216	217.572
92.0	4.589	56.325	135.355	195.641	213.804
92.5	5.362	54.828	132.891	192.211	210.085
93.0	6.135	53.524	130.331	188.975	206.510
93.5	6.956	52.509	127.916	185.787	203.129
94.0	7.826	51.640	125.645	182.792	199.844
94.5	8.647	51.012	123.520	179.748	196.462
95.0	9.468	50.529	121.539	176.753	193.226
95.5	10.241	50.190	119.703	173.903	190.038
96.0	10.869	50.045	118.109	171.150	186.898
96.5	11.497	50.045	116.515	168.590	183.999
97.0	12.077	50.094	115.066	166.126	181.101
97.5	12.705	50.287	113.713	163.759	178.444
98.0	13.236	50.480	112.506	161.440	175.739
98.5	13.864	50.722	111.491	159.218	173.227
99.0	14.492	51.012	110.429	157.141	170.763
99.5	15.168	51.350	109.511	155.160	168.348
100.0	15.748	51.688	108.786	153.325	166.174
100.5	16.424	52.074	108.062	151.537	163.952
101.0	17.004	52.461	107.530	149.847	161.972
101.5	17.584	52.847	106.999	148.253	159.943
102.0	18.115	53.234	106.612	146.755	158.155
102.5	18.646	53.620	106.226	145.354	156.368
103.0	19.178	54.055	105.936	143.953	154.774
103.5	19.757	54.490	105.695	142.746	153.131
104.0	20.385	54.876	105.453	141.635	151.634
104.5	21.013	55.311	105.308	140.572	150.233
105.0	21.593	55.746	105.163	139.606	148.881
105.5	22.124	56.132	105.018	138.591	147.721
106.0	22.752	56.615	104.970	137.722	146.562
106.5	23.332	57.050	104.970	136.901	145.402
107.0	23.912	57.533	104.970	136.128	144.436
107.5	24.443	57.919	104.970	135.548	143.422
108.0	25.119	58.403	104.970	134.872	142.407
108.5	25.747	58.886	105.018	134.389	141.731
109.0	26.375	59.272	105.115	133.761	141.055
109.5	27.052	59.707	105.163	133.326	140.330
110.0	27.728	60.142	105.260	132.843	139.751
110.5	28.404	60.576	105.356	132.408	139.219

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**CANDELA TABULATION - (Cont.)**

111.0	29.080	61.011	105.405	132.022	138.640
111.5	29.757	61.398	105.453	131.732	138.156
112.0	30.481	61.832	105.550	131.442	137.577
112.5	31.206	62.267	105.646	131.104	137.045
113.0	31.979	62.702	105.791	130.862	136.804
113.5	32.703	63.088	105.791	130.621	136.466
114.0	33.476	63.475	105.888	130.427	136.128
114.5	34.201	63.909	105.984	130.186	135.838
115.0	34.974	64.248	106.081	130.041	135.596
115.5	35.747	64.682	106.081	129.896	135.355
116.0	36.471	65.069	106.226	129.703	135.065
116.5	37.148	65.455	106.323	129.510	134.968
117.0	37.921	65.890	106.419	129.510	134.727
117.5	38.645	66.228	106.516	129.316	134.582
118.0	39.273	66.566	106.612	129.220	134.389
118.5	39.998	66.904	106.661	129.075	134.340
119.0	40.626	67.243	106.757	128.930	134.050
119.5	41.302	67.484	106.854	128.785	134.002
120.0	41.930	67.726	106.806	128.688	133.761
120.5	42.558	68.015	106.854	128.495	133.712
121.0	43.186	68.209	106.951	128.350	133.519
121.5	43.862	68.450	106.902	128.157	133.422
122.0	44.490	68.740	106.902	128.060	133.278
122.5	45.118	69.030	106.951	127.867	132.939
123.0	45.746	69.320	106.902	127.674	132.891
123.5	46.326	69.561	106.806	127.529	132.601
124.0	46.809	69.755	106.806	127.384	132.553
124.5	47.292	69.948	106.806	127.143	132.360
125.0	47.775	70.189	106.709	126.901	132.166
125.5	48.258	70.334	106.612	126.756	131.925
126.0	48.693	70.527	106.564	126.466	131.732
126.5	49.079	70.769	106.467	126.273	131.587
127.0	49.514	70.866	106.371	126.032	131.394
127.5	49.852	71.010	106.226	125.790	131.055
128.0	50.287	71.010	106.178	125.500	130.862
128.5	50.625	71.107	105.984	125.259	130.669
129.0	50.963	71.204	105.791	125.017	130.427
129.5	51.253	71.349	105.453	124.631	130.138
130.0	51.495	71.445	105.115	124.389	129.848
130.5	51.736	71.542	104.728	124.099	129.510
131.0	51.881	71.687	104.342	123.665	129.171
131.5	52.074	71.832	103.956	123.278	128.833
132.0	52.268	71.977	103.521	123.037	128.543
132.5	52.364	72.025	103.038	122.553	128.109
133.0	52.509	72.073	102.844	122.119	127.577
133.5	52.557	72.025	102.555	121.781	127.336
134.0	52.606	71.928	102.361	121.394	126.998
134.5	52.751	71.735	102.120	120.959	126.370
135.0	52.896	71.590	101.830	120.380	125.887
135.5	52.847	71.204	101.588	119.993	125.500
136.0	52.944	71.155	101.250	119.510	125.017
136.5	53.040	71.010	101.009	118.979	124.534
137.0	53.089	70.769	100.622	118.544	124.003
137.5	53.137	70.527	100.284	117.964	123.520
138.0	53.234	70.383	99.801	117.481	122.940
138.5	53.234	70.189	99.173	116.950	122.505

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L50-827-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

139.0	53.185	70.044	98.449	116.322	121.829
139.5	53.185	69.851	97.579	115.646	121.346
140.0	53.185	69.610	96.613	115.018	120.670
140.5	53.185	69.465	95.743	114.245	119.945
141.0	53.185	69.368	94.777	113.424	119.365
141.5	53.185	69.175	93.811	112.699	118.786
142.0	53.137	69.078	92.893	111.781	118.158
142.5	53.089	68.933	91.927	110.960	117.433
143.0	53.040	68.788	91.009	110.187	116.708
143.5	53.040	68.595	89.947	109.366	116.032
144.0	53.040	68.354	89.029	108.738	115.259
144.5	53.185	68.160	88.111	108.013	114.583
145.0	53.379	67.967	87.097	107.385	113.810
145.5	53.717	67.726	86.179	106.757	113.037
146.0	54.152	67.532	85.309	106.081	112.313
146.5	54.586	67.339	84.585	105.356	111.491
147.0	55.021	67.098	83.763	104.632	110.670
147.5	55.408	67.001	83.135	103.907	109.849
148.0	55.842	66.808	82.459	103.086	108.979
148.5	56.229	66.760	81.928	102.313	108.110
149.0	56.712	66.760	81.348	101.540	107.337
149.5	57.050	66.904	80.817	100.719	106.371
150.0	57.436	67.001	80.285	99.946	105.356
150.5	57.775	67.049	79.706	99.077	104.294
151.0	58.016	67.194	78.933	98.207	103.038
151.5	58.258	67.243	78.112	97.289	101.878
152.0	58.547	67.339	77.339	96.323	100.719
152.5	58.837	67.436	76.614	95.309	99.463
153.0	59.030	67.484	75.841	94.149	98.449
153.5	59.272	67.629	75.020	92.942	97.289
154.0	59.465	67.581	74.295	91.589	96.323
154.5	59.707	67.629	73.667	90.285	95.357
155.0	59.803	67.726	73.039	88.787	94.632
155.5	59.997	67.774	72.411	87.386	93.859
156.0	60.142	67.774	71.977	85.889	93.183
156.5	60.383	67.774	71.542	84.391	92.314
157.0	60.480	67.871	71.107	83.039	91.492
157.5	60.625	67.871	70.817	81.735	90.575
158.0	60.818	67.822	70.672	80.382	89.705
158.5	60.866	67.822	70.479	79.271	88.691
159.0	61.108	67.677	70.334	78.208	87.821
159.5	61.301	67.581	70.093	77.194	86.855
160.0	61.542	67.484	69.851	76.373	85.889
160.5	61.832	67.436	69.658	75.600	84.971
161.0	62.025	67.291	69.610	74.778	84.053
161.5	62.315	67.243	69.513	73.957	83.377
162.0	62.557	67.146	69.658	73.281	82.797
162.5	62.798	67.146	69.755	72.556	82.121
163.0	63.088	67.098	69.803	71.783	81.541
163.5	63.330	67.098	69.899	70.962	80.817
164.0	63.426	67.098	69.996	69.948	80.140
164.5	63.571	67.001	69.899	69.175	79.271
165.0	63.716	67.001	69.755	68.402	78.401
165.5	63.861	66.953	69.610	67.871	77.484
166.0	64.006	66.904	69.513	67.291	76.083
166.5	64.151	66.904	69.368	66.808	75.406

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

167.0	64.344	66.904	69.223	66.373	74.875
167.5	64.441	66.904	68.933	65.987	74.344
168.0	64.586	66.904	68.692	65.600	73.909
168.5	64.876	66.711	68.354	65.262	73.378
169.0	65.020	66.760	68.112	64.924	72.846
169.5	65.262	66.615	67.726	64.537	72.266
170.0	65.359	66.566	67.388	64.054	71.735
170.5	65.504	66.470	66.953	63.523	71.155
171.0	65.600	66.373	66.470	62.943	70.431
171.5	65.745	66.373	66.035	62.412	69.851
172.0	65.987	66.276	65.793	61.881	68.982
172.5	66.132	66.276	65.504	61.301	68.015
173.0	66.325	66.180	65.262	60.770	66.373
173.5	66.566	66.228	65.165	60.238	63.909
174.0	66.760	66.228	65.117	59.803	60.866
174.5	66.904	66.228	65.020	59.369	57.243
175.0	67.194	66.373	64.972	59.030	53.137
175.5	67.291	66.421	64.924	58.886	48.838
176.0	67.484	66.518	64.924	58.741	46.036
176.5	67.532	66.566	64.876	58.741	44.055
177.0	67.726	66.663	64.779	58.596	42.027
177.5	67.774	66.663	64.634	58.547	41.592
178.0	67.967	66.760	64.586	58.499	41.688
178.5	68.064	66.808	64.634	58.403	41.785
179.0	68.160	66.808	64.586	58.258	41.833
179.5	68.257	66.808	64.537	58.209	41.882
180.0	61.204	61.204	61.204	61.204	61.204



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L50-827-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	553.05	N.A.	11.70
0-30	1158.82	N.A.	24.50
0-40	1861.49	N.A.	39.40
0-60	3150.33	N.A.	66.70
0-80	3924.75	N.A.	83.10
0-90	4119.51	N.A.	87.30
10-90	3975.33	N.A.	84.20
20-40	1308.44	N.A.	27.70
20-50	2000.39	N.A.	42.40
40-70	1747.94	N.A.	37.00
60-80	774.42	N.A.	16.40
70-80	315.31	N.A.	6.70
80-90	194.76	N.A.	4.10
90-110	227.49	N.A.	4.80
90-120	323.26	N.A.	6.80
90-130	411.40	N.A.	8.70
90-150	540.09	N.A.	11.40
90-180	601.61	N.A.	12.70
110-180	374.12	N.A.	7.90
0-180	4721.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	144.18
10-20	408.87
20-30	605.77
30-40	702.67
40-50	691.95
50-60	596.89
60-70	459.10
70-80	315.31
80-90	194.76
90-100	124.79
100-110	102.70
110-120	95.77
120-130	88.14
130-140	74.07
140-150	54.62
150-160	35.71
160-170	19.68
170-180	6.13

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L50-827-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-L50-827-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

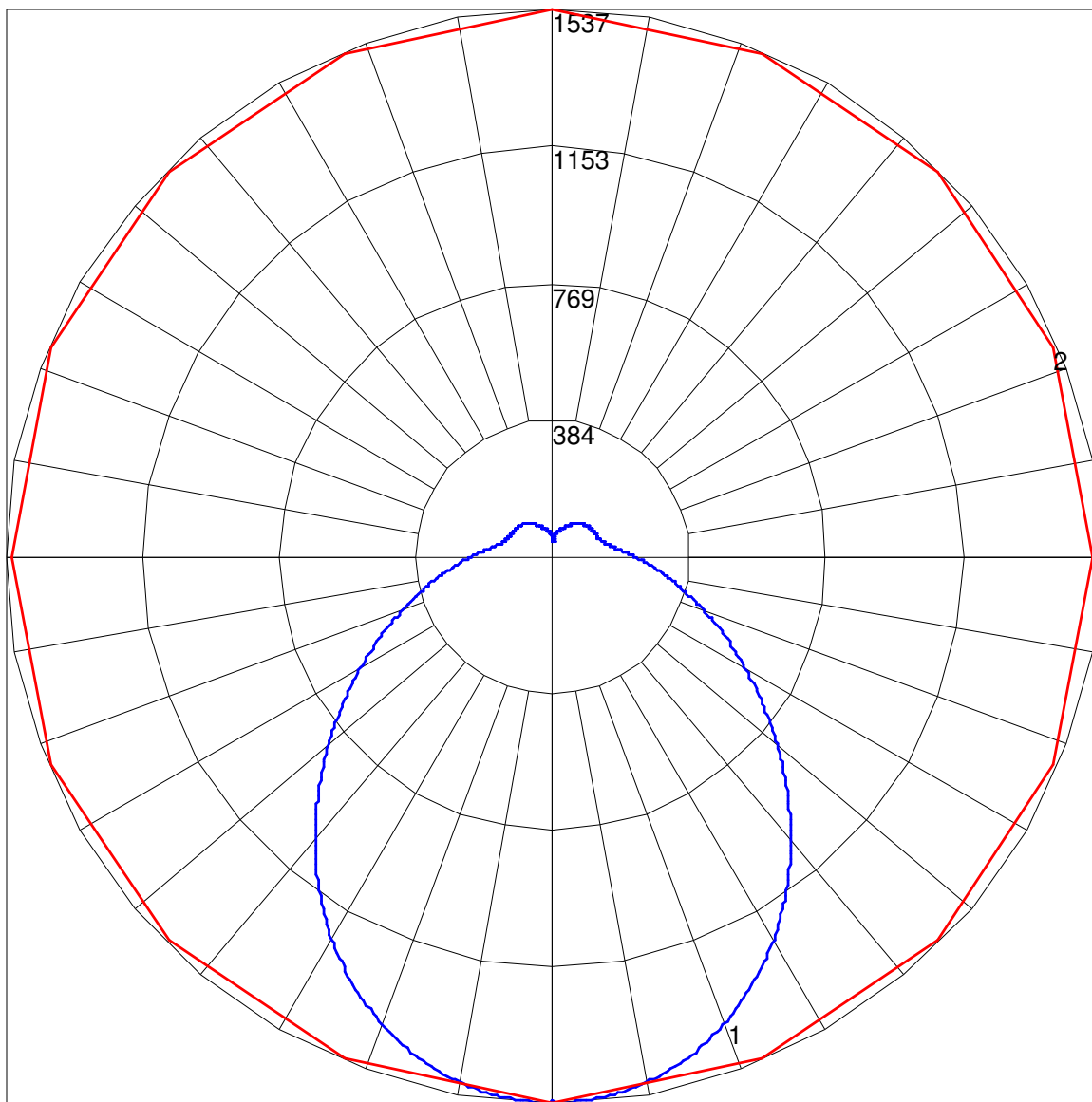
Reflectances

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	17.2	18.6	17.8	19.1	19.7	18.9	20.2	19.4	20.8	21.4
	3H	18.6	19.8	19.1	20.4	21.0	21.1	22.3	21.6	22.9	23.5
	4H	19.0	20.2	19.6	20.8	21.4	22.1	23.3	22.7	23.9	24.6
	6H	19.3	20.4	19.9	21.0	21.7	23.3	24.3	23.9	24.9	25.6
	8H	19.4	20.4	20.0	21.0	21.7	23.8	24.9	24.5	25.5	26.2
	12H	19.4	20.4	20.0	21.0	21.7	24.5	25.5	25.1	26.1	26.8
4H	2H	17.9	19.1	18.5	19.7	20.4	19.3	20.4	19.9	21.0	21.7
	3H	19.5	20.5	20.1	21.1	21.8	21.7	22.7	22.3	23.3	24.0
	4H	20.1	21.0	20.7	21.6	22.4	23.0	23.8	23.6	24.5	25.2
	6H	20.5	21.3	21.2	22.0	22.7	24.3	25.1	24.9	25.7	26.5
	8H	20.6	21.4	21.3	22.0	22.8	25.0	25.7	25.6	26.4	27.1
	12H	20.7	21.4	21.4	22.1	22.8	25.8	26.4	26.4	27.1	27.9
8H	4H	20.7	21.4	21.3	22.1	22.8	23.1	23.9	23.8	24.5	25.3
	6H	21.3	21.9	21.9	22.6	23.3	24.6	25.3	25.3	26.0	26.7
	8H	21.5	22.0	22.1	22.7	23.5	25.5	26.1	26.2	26.8	27.5
	12H	21.6	22.1	22.3	22.8	23.6	26.5	27.0	27.2	27.7	28.5
12H	4H	20.8	21.5	21.5	22.2	22.9	23.1	23.8	23.8	24.5	25.3
	6H	21.5	22.1	22.2	22.8	23.6	24.7	25.3	25.4	25.9	26.7
	8H	21.8	22.3	22.5	23.0	23.8	25.6	26.1	26.3	26.8	27.6

Maximum UGR = 28.5

POLAR GRAPH



Maximum Candela = 1537.112 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.)