

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L50-827-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-L50-827-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	4713
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	177
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	10342	9263	9172
55	8955	7930	8052
65	7528	6792	7176
75	6037	5933	6708
85	4428	5837	7087

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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	1525.422	1525.422	1525.422	1525.422	1525.422
0.5	1518.188	1523.975	1524.939	1524.457	1534.585
1.0	1518.188	1524.457	1524.457	1523.975	1534.102
1.5	1516.741	1524.457	1523.975	1523.493	1534.585
2.0	1516.258	1523.010	1523.975	1523.010	1533.138
2.5	1516.258	1523.010	1522.528	1522.528	1532.173
3.0	1514.812	1521.563	1521.563	1521.563	1531.209
3.5	1513.847	1520.117	1520.117	1520.599	1530.244
4.0	1512.883	1519.152	1519.152	1518.670	1529.280
4.5	1510.471	1517.705	1518.188	1517.705	1527.833
5.0	1509.024	1516.258	1516.258	1516.258	1526.386
5.5	1507.095	1514.329	1514.329	1514.812	1524.457
6.0	1506.131	1511.918	1512.400	1512.400	1522.528
6.5	1502.755	1509.989	1510.471	1510.471	1520.117
7.0	1500.826	1507.578	1508.060	1507.578	1518.188
7.5	1498.897	1504.684	1505.649	1505.649	1515.776
8.0	1496.485	1502.755	1502.755	1502.755	1512.400
8.5	1494.074	1499.379	1500.344	1500.344	1509.507
9.0	1490.216	1496.968	1497.450	1496.968	1506.131
9.5	1487.805	1493.592	1493.592	1493.592	1504.202
10.0	1483.946	1489.734	1489.734	1490.698	1500.344
10.5	1480.570	1486.358	1486.840	1486.840	1496.968
11.0	1477.195	1482.982	1483.464	1482.982	1493.109
11.5	1472.854	1479.124	1480.088	1479.124	1489.734
12.0	1468.996	1474.783	1475.748	1475.748	1485.393
12.5	1465.138	1470.443	1471.890	1470.925	1481.535
13.0	1460.797	1466.585	1467.549	1467.067	1477.195
13.5	1456.457	1461.762	1462.726	1462.726	1473.336
14.0	1451.152	1456.939	1457.904	1457.904	1468.031
14.5	1446.812	1452.117	1453.081	1453.081	1464.173
15.0	1442.471	1447.294	1447.776	1447.776	1458.386
15.5	1437.166	1441.507	1442.953	1442.953	1452.599
16.0	1431.379	1436.202	1437.648	1437.648	1447.776
16.5	1426.556	1430.414	1431.861	1432.343	1442.471
17.0	1419.804	1424.145	1426.074	1426.556	1436.684
17.5	1414.017	1418.358	1420.287	1420.769	1430.897
18.0	1408.712	1412.570	1414.017	1415.464	1425.592
18.5	1402.443	1406.783	1408.230	1409.194	1419.322
19.0	1396.173	1399.549	1401.960	1402.925	1412.570
19.5	1388.939	1393.762	1395.691	1397.620	1406.301
20.0	1381.223	1386.528	1388.939	1390.386	1399.549
20.5	1373.506	1380.258	1382.187	1384.116	1393.280
21.0	1367.237	1372.542	1373.989	1377.847	1386.528
21.5	1360.003	1365.308	1367.719	1369.648	1379.294
22.0	1352.287	1358.556	1360.967	1362.896	1373.024
22.5	1345.535	1349.875	1353.251	1356.145	1365.790
23.0	1337.336	1342.159	1345.535	1348.428	1358.074
23.5	1328.655	1333.960	1338.301	1341.194	1350.840
24.0	1319.974	1325.762	1330.102	1333.478	1343.123
24.5	1312.740	1317.563	1322.386	1325.279	1334.442
25.0	1304.542	1309.364	1314.669	1317.563	1326.726
25.5	1295.379	1301.166	1305.506	1309.847	1317.563
26.0	1286.698	1292.003	1297.790	1301.648	1310.329
26.5	1277.535	1282.840	1289.591	1292.967	1302.130

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CANDELA TABULATION - (Cont.)

27.0	1268.371	1273.194	1281.393	1285.733	1293.932
27.5	1257.761	1264.031	1272.230	1276.088	1285.733
28.0	1250.045	1254.868	1263.066	1267.407	1276.570
28.5	1239.917	1245.705	1253.903	1258.244	1267.407
29.0	1230.272	1236.059	1244.258	1249.563	1258.726
29.5	1220.144	1225.932	1234.613	1239.917	1249.081
30.0	1210.017	1216.286	1224.967	1231.719	1240.882
30.5	1199.407	1205.676	1215.804	1222.556	1231.237
31.0	1189.279	1195.549	1205.676	1212.910	1221.109
31.5	1178.669	1185.903	1196.031	1203.747	1212.428
32.0	1168.541	1174.811	1186.385	1193.620	1202.300
32.5	1157.449	1164.201	1176.258	1183.974	1192.655
33.0	1146.839	1154.073	1165.166	1174.329	1183.010
33.5	1136.712	1143.463	1155.520	1163.719	1172.882
34.0	1124.655	1132.371	1144.910	1154.073	1163.719
34.5	1113.563	1121.761	1134.783	1143.463	1153.109
35.0	1103.435	1110.187	1124.655	1133.818	1142.981
35.5	1090.414	1099.577	1113.563	1123.208	1132.371
36.0	1080.286	1088.002	1102.953	1112.598	1122.243
36.5	1067.747	1076.428	1091.860	1102.470	1112.598
37.0	1056.172	1065.336	1080.768	1091.378	1102.470
37.5	1044.116	1053.279	1070.158	1081.733	1091.378
38.0	1032.059	1041.704	1058.584	1070.641	1079.804
38.5	1019.520	1029.648	1047.492	1060.513	1069.194
39.0	1008.428	1017.591	1035.917	1049.421	1060.513
39.5	995.889	1006.499	1024.825	1038.328	1048.938
40.0	982.385	993.960	1013.250	1028.201	1037.846
40.5	969.846	981.903	1002.158	1017.591	1027.236
41.0	958.272	969.846	990.584	1006.499	1016.144
41.5	945.732	957.789	979.009	995.406	1005.534
42.0	933.193	945.732	967.435	984.796	994.924
42.5	921.137	933.193	955.378	973.704	983.832
43.0	907.633	921.137	944.286	963.094	973.222
43.5	896.059	908.598	932.229	952.002	962.612
44.0	883.037	896.059	920.172	941.392	951.520
44.5	870.981	884.002	908.115	929.818	940.427
45.0	858.442	871.463	896.541	919.690	930.300
45.5	845.902	859.406	884.966	909.080	919.690
46.0	833.363	846.867	872.427	897.505	908.598
46.5	820.824	834.328	861.817	887.860	897.988
47.0	807.803	822.271	849.761	876.286	887.378
47.5	795.264	809.732	837.704	865.193	876.286
48.0	783.207	797.193	825.647	855.066	865.193
48.5	769.704	785.136	814.555	843.491	854.583
49.0	757.647	772.115	802.016	832.399	843.491
49.5	745.108	760.058	790.441	821.789	832.881
50.0	732.087	747.519	778.867	810.214	821.789
50.5	720.030	735.463	766.810	800.569	811.661
51.0	707.491	722.923	756.200	789.477	801.051
51.5	695.434	710.384	744.143	778.867	790.441
52.0	682.413	698.328	732.569	767.775	779.831
52.5	669.874	685.789	721.477	756.682	769.704
53.0	656.852	673.732	709.902	747.037	758.612
53.5	644.313	661.675	698.810	735.945	748.484
54.0	632.257	649.618	687.718	725.335	738.356
54.5	620.682	637.079	676.626	715.689	728.228

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55.0	608.625	625.505	665.533	704.597	719.065
55.5	598.498	613.448	654.441	694.470	707.973
56.0	586.923	602.838	643.831	684.342	697.845
56.5	574.866	591.746	632.739	674.214	688.200
57.0	563.292	580.654	622.129	664.086	678.072
57.5	551.235	569.079	612.966	654.441	666.980
58.0	539.178	557.505	602.356	643.831	658.782
58.5	527.604	545.930	591.746	634.668	649.136
59.0	516.029	534.356	581.618	626.469	639.008
59.5	504.455	523.264	572.455	616.342	631.292
60.0	492.880	511.689	562.327	606.696	621.647
60.5	481.547	500.597	552.200	597.533	612.001
61.0	470.166	489.505	542.072	588.370	602.838
61.5	458.880	478.509	531.944	579.207	594.157
62.0	447.788	467.609	522.299	570.526	584.994
62.5	436.841	456.807	512.171	561.845	576.313
63.0	425.748	446.052	502.526	552.682	568.597
63.5	414.753	435.442	493.363	544.001	559.916
64.0	404.046	424.977	483.717	534.838	551.235
64.5	393.388	414.753	474.554	526.157	542.554
65.0	382.826	404.480	465.343	517.476	534.356
65.5	372.409	394.449	456.228	508.795	525.675
66.0	361.848	384.418	447.209	500.115	517.476
66.5	351.527	374.628	438.239	491.916	509.278
67.0	341.448	364.934	429.317	483.235	501.079
67.5	331.320	355.385	420.588	475.133	492.880
68.0	321.337	346.077	411.907	466.934	485.164
68.5	311.499	336.818	403.419	458.977	477.110
69.0	301.708	327.655	395.028	450.971	469.490
69.5	292.063	318.684	386.733	443.207	461.919
70.0	282.466	309.859	378.582	435.587	454.395
70.5	273.110	301.130	370.432	427.967	446.968
71.0	263.850	292.497	362.426	420.443	439.638
71.5	254.687	284.057	354.614	413.113	432.404
72.0	245.717	275.569	346.801	405.831	425.363
72.5	236.698	267.371	339.181	398.693	418.370
73.0	227.921	259.220	331.609	391.652	411.329
73.5	219.385	251.166	324.279	384.659	404.480
74.0	210.945	243.354	316.852	377.907	397.584
74.5	202.650	235.493	309.762	371.204	391.073
75.0	194.403	227.825	302.721	364.645	384.755
75.5	186.301	220.349	295.777	358.134	378.341
76.0	178.440	213.019	289.025	351.672	372.072
76.5	170.627	205.785	282.321	345.354	365.802
77.0	162.911	198.599	275.714	339.084	359.726
77.5	155.339	191.606	269.203	333.008	353.697
78.0	147.864	184.758	262.886	327.028	347.765
78.5	140.534	178.006	256.616	320.999	341.882
79.0	133.348	171.447	250.540	315.164	336.094
79.5	126.210	164.937	244.559	309.473	330.307
80.0	119.169	158.522	238.579	303.830	324.809
80.5	112.321	152.301	232.792	298.140	319.215
81.0	105.665	146.176	227.246	292.642	313.765
81.5	98.914	140.196	221.700	287.192	308.316
82.0	92.403	134.361	216.298	281.935	303.059
82.5	86.037	128.622	210.993	276.679	297.898

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83.0	79.768	123.027	205.785	271.615	292.883
83.5	73.546	117.578	200.817	266.454	287.674
84.0	67.470	112.273	195.995	261.584	282.707
84.5	61.441	107.161	191.268	256.761	277.836
85.0	55.654	102.193	186.639	251.986	272.965
85.5	49.867	97.467	182.105	247.357	268.239
86.0	44.176	92.934	177.668	242.823	263.561
86.5	38.533	88.690	173.473	238.290	258.883
87.0	32.987	84.590	169.229	233.998	254.301
87.5	27.441	80.780	165.226	229.657	249.913
88.0	21.943	77.067	161.271	225.461	245.476
88.5	16.397	73.594	157.461	221.314	241.183
89.0	11.333	70.315	153.844	217.311	236.940
89.5	7.186	67.277	150.324	213.453	232.792
90.0	4.292	64.576	147.093	209.788	228.982
90.5	3.038	62.213	144.102	206.122	224.931
91.0	3.231	60.043	141.064	202.409	221.073
91.5	3.858	57.969	138.026	198.888	217.215
92.0	4.582	56.233	135.132	195.320	213.453
92.5	5.353	54.738	132.673	191.895	209.739
93.0	6.125	53.436	130.117	188.664	206.171
93.5	6.945	52.423	127.705	185.481	202.795
94.0	7.813	51.555	125.439	182.491	199.515
94.5	8.633	50.928	123.317	179.453	196.139
95.0	9.453	50.445	121.339	176.463	192.908
95.5	10.224	50.108	119.507	173.617	189.725
96.0	10.851	49.963	117.915	170.868	186.590
96.5	11.478	49.963	116.324	168.312	183.697
97.0	12.057	50.011	114.877	165.853	180.803
97.5	12.684	50.204	113.526	163.490	178.151
98.0	13.214	50.397	112.321	161.175	175.450
98.5	13.841	50.638	111.308	158.956	172.942
99.0	14.468	50.928	110.247	156.883	170.483
99.5	15.143	51.265	109.331	154.905	168.071
100.0	15.722	51.603	108.607	153.073	165.901
100.5	16.397	51.989	107.884	151.288	163.683
101.0	16.976	52.375	107.353	149.600	161.705
101.5	17.555	52.760	106.823	148.009	159.680
102.0	18.085	53.146	106.437	146.514	157.895
102.5	18.616	53.532	106.051	145.115	156.111
103.0	19.146	53.966	105.762	143.717	154.519
103.5	19.725	54.400	105.521	142.511	152.880
104.0	20.352	54.786	105.280	141.402	151.385
104.5	20.979	55.220	105.135	140.341	149.986
105.0	21.557	55.654	104.990	139.376	148.636
105.5	22.088	56.040	104.846	138.363	147.478
106.0	22.715	56.522	104.797	137.495	146.321
106.5	23.294	56.956	104.797	136.675	145.163
107.0	23.872	57.438	104.797	135.904	144.199
107.5	24.403	57.824	104.797	135.325	143.186
108.0	25.078	58.307	104.797	134.650	142.173
108.5	25.705	58.789	104.846	134.168	141.498
109.0	26.332	59.175	104.942	133.541	140.823
109.5	27.007	59.609	104.990	133.107	140.100
110.0	27.682	60.043	105.087	132.624	139.521
110.5	28.358	60.477	105.183	132.190	138.990

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CANDELA TABULATION - (Cont.)

111.0	29.033	60.911	105.231	131.805	138.412
111.5	29.708	61.297	105.280	131.515	137.929
112.0	30.431	61.731	105.376	131.226	137.351
112.5	31.155	62.165	105.473	130.888	136.820
113.0	31.926	62.599	105.617	130.647	136.579
113.5	32.650	62.985	105.617	130.406	136.241
114.0	33.421	63.370	105.714	130.213	135.904
114.5	34.145	63.804	105.810	129.972	135.614
115.0	34.916	64.142	105.907	129.827	135.373
115.5	35.688	64.576	105.907	129.683	135.132
116.0	36.411	64.962	106.051	129.490	134.843
116.5	37.087	65.348	106.148	129.297	134.746
117.0	37.858	65.782	106.244	129.297	134.505
117.5	38.582	66.119	106.341	129.104	134.361
118.0	39.209	66.457	106.437	129.007	134.168
118.5	39.932	66.794	106.485	128.863	134.119
119.0	40.559	67.132	106.582	128.718	133.830
119.5	41.234	67.373	106.678	128.573	133.782
120.0	41.861	67.614	106.630	128.477	133.541
120.5	42.488	67.904	106.678	128.284	133.492
121.0	43.115	68.097	106.775	128.139	133.300
121.5	43.790	68.338	106.726	127.946	133.203
122.0	44.417	68.627	106.726	127.850	133.058
122.5	45.044	68.916	106.775	127.657	132.721
123.0	45.671	69.206	106.726	127.464	132.673
123.5	46.250	69.447	106.630	127.319	132.383
124.0	46.732	69.640	106.630	127.175	132.335
124.5	47.214	69.833	106.630	126.934	132.142
125.0	47.697	70.074	106.534	126.692	131.949
125.5	48.179	70.219	106.437	126.548	131.708
126.0	48.613	70.411	106.389	126.258	131.515
126.5	48.999	70.653	106.292	126.066	131.370
127.0	49.433	70.749	106.196	125.824	131.178
127.5	49.770	70.894	106.051	125.583	130.840
128.0	50.204	70.894	106.003	125.294	130.647
128.5	50.542	70.990	105.810	125.053	130.454
129.0	50.880	71.087	105.617	124.812	130.213
129.5	51.169	71.231	105.280	124.426	129.924
130.0	51.410	71.328	104.942	124.185	129.634
130.5	51.651	71.424	104.556	123.895	129.297
131.0	51.796	71.569	104.170	123.461	128.959
131.5	51.989	71.714	103.785	123.075	128.622
132.0	52.182	71.858	103.351	122.834	128.332
132.5	52.278	71.907	102.868	122.352	127.898
133.0	52.423	71.955	102.675	121.918	127.368
133.5	52.471	71.907	102.386	121.580	127.127
134.0	52.519	71.810	102.193	121.195	126.789
134.5	52.664	71.617	101.952	120.761	126.162
135.0	52.809	71.472	101.663	120.182	125.680
135.5	52.760	71.087	101.421	119.796	125.294
136.0	52.857	71.038	101.084	119.314	124.812
136.5	52.953	70.894	100.843	118.783	124.329
137.0	53.002	70.653	100.457	118.349	123.799
137.5	53.050	70.411	100.119	117.770	123.317
138.0	53.146	70.267	99.637	117.288	122.738
138.5	53.146	70.074	99.010	116.758	122.304

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

139.0	53.098	69.929	98.287	116.131	121.629
139.5	53.098	69.736	97.419	115.456	121.146
140.0	53.098	69.495	96.454	114.829	120.471
140.5	53.098	69.350	95.586	114.057	119.748
141.0	53.098	69.254	94.621	113.237	119.169
141.5	53.098	69.061	93.657	112.514	118.590
142.0	53.050	68.965	92.741	111.597	117.963
142.5	53.002	68.820	91.776	110.778	117.240
143.0	52.953	68.675	90.860	110.006	116.517
143.5	52.953	68.482	89.799	109.186	115.841
144.0	52.953	68.241	88.882	108.559	115.070
144.5	53.098	68.048	87.966	107.836	114.395
145.0	53.291	67.855	86.953	107.209	113.623
145.5	53.628	67.614	86.037	106.582	112.851
146.0	54.063	67.421	85.169	105.907	112.128
146.5	54.497	67.229	84.446	105.183	111.308
147.0	54.931	66.987	83.626	104.460	110.488
147.5	55.316	66.891	82.999	103.736	109.668
148.0	55.750	66.698	82.324	102.917	108.800
148.5	56.136	66.650	81.793	102.145	107.932
149.0	56.619	66.650	81.214	101.373	107.161
149.5	56.956	66.794	80.684	100.553	106.196
150.0	57.342	66.891	80.153	99.782	105.183
150.5	57.680	66.939	79.575	98.914	104.122
151.0	57.921	67.084	78.803	98.046	102.868
151.5	58.162	67.132	77.983	97.129	101.711
152.0	58.451	67.229	77.212	96.165	100.553
152.5	58.741	67.325	76.488	95.152	99.299
153.0	58.933	67.373	75.716	93.995	98.287
153.5	59.175	67.518	74.897	92.789	97.129
154.0	59.367	67.470	74.173	91.438	96.165
154.5	59.609	67.518	73.546	90.136	95.200
155.0	59.705	67.614	72.919	88.641	94.477
155.5	59.898	67.663	72.292	87.243	93.705
156.0	60.043	67.663	71.858	85.748	93.030
156.5	60.284	67.663	71.424	84.253	92.162
157.0	60.380	67.759	70.990	82.902	91.342
157.5	60.525	67.759	70.701	81.600	90.426
158.0	60.718	67.711	70.556	80.250	89.558
158.5	60.766	67.711	70.363	79.141	88.545
159.0	61.007	67.566	70.219	78.080	87.677
159.5	61.200	67.470	69.977	77.067	86.712
160.0	61.441	67.373	69.736	76.247	85.748
160.5	61.731	67.325	69.543	75.475	84.831
161.0	61.924	67.180	69.495	74.655	83.915
161.5	62.213	67.132	69.399	73.836	83.240
162.0	62.454	67.036	69.543	73.160	82.661
162.5	62.695	67.036	69.640	72.437	81.986
163.0	62.985	66.987	69.688	71.665	81.407
163.5	63.226	66.987	69.785	70.846	80.684
164.0	63.322	66.987	69.881	69.833	80.009
164.5	63.467	66.891	69.785	69.061	79.141
165.0	63.611	66.891	69.640	68.290	78.273
165.5	63.756	66.843	69.495	67.759	77.356
166.0	63.901	66.794	69.399	67.180	75.958
166.5	64.046	66.794	69.254	66.698	75.282

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L50-827-HE-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

167.0	64.238	66.794	69.109	66.264	74.752
167.5	64.335	66.794	68.820	65.878	74.221
168.0	64.480	66.794	68.579	65.492	73.787
168.5	64.769	66.602	68.241	65.155	73.257
169.0	64.914	66.650	68.000	64.817	72.726
169.5	65.155	66.505	67.614	64.431	72.148
170.0	65.251	66.457	67.277	63.949	71.617
170.5	65.396	66.360	66.843	63.419	71.038
171.0	65.492	66.264	66.360	62.840	70.315
171.5	65.637	66.264	65.926	62.309	69.736
172.0	65.878	66.168	65.685	61.779	68.868
172.5	66.023	66.168	65.396	61.200	67.904
173.0	66.216	66.071	65.155	60.670	66.264
173.5	66.457	66.119	65.058	60.139	63.804
174.0	66.650	66.119	65.010	59.705	60.766
174.5	66.794	66.119	64.914	59.271	57.149
175.0	67.084	66.264	64.865	58.933	53.050
175.5	67.180	66.312	64.817	58.789	48.758
176.0	67.373	66.409	64.817	58.644	45.960
176.5	67.421	66.457	64.769	58.644	43.983
177.0	67.614	66.553	64.672	58.499	41.958
177.5	67.663	66.553	64.528	58.451	41.523
178.0	67.855	66.650	64.480	58.403	41.620
178.5	67.952	66.698	64.528	58.307	41.716
179.0	68.048	66.698	64.480	58.162	41.765
179.5	68.145	66.698	64.431	58.114	41.813
180.0	61.104	61.104	61.104	61.104	61.104

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L50-827-HE-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	552.14	N.A.	11.70
0-30	1156.92	N.A.	24.50
0-40	1858.43	N.A.	39.40
0-60	3145.15	N.A.	66.70
0-80	3918.29	N.A.	83.10
0-90	4112.74	N.A.	87.30
10-90	3968.79	N.A.	84.20
20-40	1306.29	N.A.	27.70
20-50	1997.1	N.A.	42.40
40-70	1745.07	N.A.	37.00
60-80	773.14	N.A.	16.40
70-80	314.80	N.A.	6.70
80-90	194.44	N.A.	4.10
90-110	227.11	N.A.	4.80
90-120	322.72	N.A.	6.80
90-130	410.72	N.A.	8.70
90-150	539.20	N.A.	11.40
90-180	600.62	N.A.	12.70
110-180	373.51	N.A.	7.90
0-180	4713.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	143.94
10-20	408.19
20-30	604.78
30-40	701.51
40-50	690.82
50-60	595.90
60-70	458.35
70-80	314.80
80-90	194.44
90-100	124.58
100-110	102.53
110-120	95.61
120-130	88.00
130-140	73.95
140-150	54.53
150-160	35.66
160-170	19.65
170-180	6.12

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L50-827-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	87	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-HE-DIM-UNV_.IES

UGR TABLE - CORRECTED

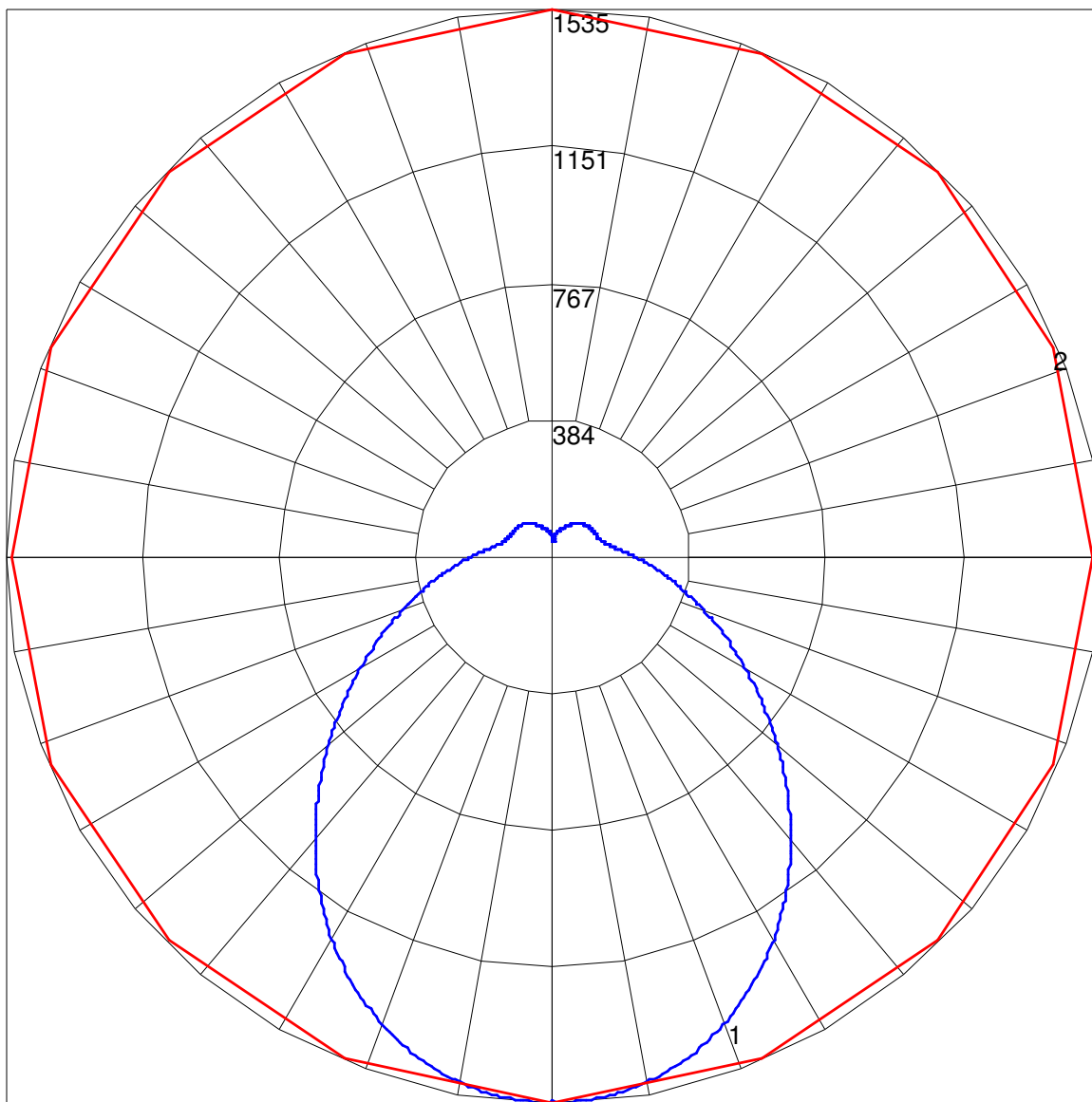
Reflectances

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	17.2	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	24.7	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	23.2	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 = 1534.585 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.)