

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L50-950-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-L50-950-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	4332
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
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	9504	8513	8429
55	8230	7288	7400
65	6918	6242	6595
75	5549	5453	6164
85	4070	5364	6513

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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	1401.918	1401.918	1401.918	1401.918	1401.918
0.5	1395.270	1400.588	1401.475	1401.032	1410.339
1.0	1395.270	1401.032	1401.032	1400.588	1409.896
1.5	1393.940	1401.032	1400.588	1400.145	1410.339
2.0	1393.497	1399.702	1400.588	1399.702	1409.010
2.5	1393.497	1399.702	1399.259	1399.259	1408.123
3.0	1392.167	1398.372	1398.372	1398.372	1407.237
3.5	1391.281	1397.043	1397.043	1397.486	1406.350
4.0	1390.394	1396.156	1396.156	1395.713	1405.464
4.5	1388.178	1394.827	1395.270	1394.827	1404.134
5.0	1386.848	1393.497	1393.497	1393.497	1402.805
5.5	1385.076	1391.724	1391.724	1392.167	1401.032
6.0	1384.189	1389.508	1389.951	1389.951	1399.259
6.5	1381.087	1387.735	1388.178	1388.178	1397.043
7.0	1379.314	1385.519	1385.962	1385.519	1395.270
7.5	1377.541	1382.859	1383.746	1383.746	1393.054
8.0	1375.325	1381.087	1381.087	1381.087	1389.951
8.5	1373.109	1377.984	1378.870	1378.870	1387.292
9.0	1369.563	1375.768	1376.211	1375.768	1384.189
9.5	1367.347	1372.665	1372.665	1372.665	1382.416
10.0	1363.801	1369.120	1369.120	1370.006	1378.870
10.5	1360.698	1366.017	1366.460	1366.460	1375.768
11.0	1357.596	1362.914	1363.358	1362.914	1372.222
11.5	1353.607	1359.369	1360.255	1359.369	1369.120
12.0	1350.061	1355.380	1356.266	1356.266	1365.131
12.5	1346.515	1351.391	1352.720	1351.834	1361.585
13.0	1342.526	1347.845	1348.731	1348.288	1357.596
13.5	1338.537	1343.413	1344.299	1344.299	1354.050
14.0	1333.662	1338.980	1339.867	1339.867	1349.174
14.5	1329.673	1334.548	1335.434	1335.434	1345.629
15.0	1325.684	1330.116	1330.559	1330.559	1340.310
15.5	1320.808	1324.797	1326.127	1326.127	1334.991
16.0	1315.489	1319.922	1321.251	1321.251	1330.559
16.5	1311.057	1314.603	1315.933	1316.376	1325.684
17.0	1304.852	1308.841	1310.614	1311.057	1320.365
17.5	1299.533	1303.522	1305.295	1305.738	1315.046
18.0	1294.658	1298.204	1299.533	1300.863	1310.171
18.5	1288.896	1292.885	1294.215	1295.101	1304.409
19.0	1283.134	1286.237	1288.453	1289.339	1298.204
19.5	1276.486	1280.918	1282.691	1284.464	1292.442
20.0	1269.394	1274.270	1276.486	1277.815	1286.237
20.5	1262.302	1268.508	1270.281	1272.053	1280.475
21.0	1256.541	1261.416	1262.746	1266.292	1274.270
21.5	1249.892	1254.768	1256.984	1258.757	1267.621
22.0	1242.801	1248.563	1250.779	1252.552	1261.859
22.5	1236.595	1240.585	1243.687	1246.346	1255.211
23.0	1229.061	1233.493	1236.595	1239.255	1248.119
23.5	1221.083	1225.958	1229.947	1232.606	1241.471
24.0	1213.105	1218.423	1222.412	1225.515	1234.379
24.5	1206.456	1210.888	1215.321	1217.980	1226.401
25.0	1198.921	1203.354	1208.229	1210.888	1219.310
25.5	1190.500	1195.819	1199.808	1203.797	1210.888
26.0	1182.522	1187.398	1192.716	1196.262	1204.240
26.5	1174.101	1178.976	1185.181	1188.284	1196.705

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27.0	1165.680	1170.112	1177.647	1181.636	1189.171
27.5	1155.929	1161.691	1169.225	1172.771	1181.636
28.0	1148.837	1153.269	1160.804	1164.793	1173.214
28.5	1139.529	1144.848	1152.383	1156.372	1164.793
29.0	1130.665	1135.984	1143.518	1148.394	1156.815
29.5	1121.357	1126.676	1134.654	1139.529	1147.951
30.0	1112.049	1117.811	1125.789	1131.995	1140.416
30.5	1102.299	1108.060	1117.368	1123.573	1131.551
31.0	1092.991	1098.753	1108.060	1114.709	1122.244
31.5	1083.240	1089.888	1099.196	1106.288	1114.266
32.0	1073.932	1079.694	1090.332	1096.980	1104.958
32.5	1063.738	1069.943	1081.024	1088.115	1096.093
33.0	1053.987	1060.635	1070.830	1079.251	1087.229
33.5	1044.679	1050.885	1061.965	1069.500	1077.921
34.0	1033.599	1040.690	1052.214	1060.635	1069.500
34.5	1023.405	1030.939	1042.907	1050.885	1059.749
35.0	1014.097	1020.302	1033.599	1042.020	1050.441
35.5	1002.130	1010.551	1023.405	1032.269	1040.690
36.0	992.822	999.914	1013.654	1022.518	1031.383
36.5	981.298	989.276	1003.460	1013.211	1022.518
37.0	970.661	979.082	993.265	1003.016	1013.211
37.5	959.580	968.002	983.514	994.152	1003.016
38.0	948.500	957.364	972.877	983.958	992.379
38.5	936.976	946.284	962.683	974.650	982.628
39.0	926.782	935.203	952.046	964.456	974.650
39.5	915.258	925.009	941.851	954.262	964.013
40.0	902.848	913.485	931.214	944.954	953.818
40.5	891.324	902.404	921.020	935.203	944.068
41.0	880.686	891.324	910.382	925.009	933.873
41.5	869.163	880.243	899.745	914.815	924.122
42.0	857.639	869.163	889.108	905.064	914.372
42.5	846.558	857.639	878.027	894.870	904.177
43.0	834.148	846.558	867.833	885.119	894.426
43.5	823.511	835.034	856.752	874.925	884.675
44.0	811.543	823.511	845.672	865.174	874.481
44.5	800.463	812.430	834.591	854.536	864.287
45.0	788.939	800.906	823.954	845.229	854.979
45.5	777.415	789.826	813.316	835.478	845.229
46.0	765.891	778.302	801.793	824.840	835.034
46.5	754.368	766.778	792.042	815.976	825.283
47.0	742.401	755.697	780.961	805.338	815.533
47.5	730.877	744.173	769.880	795.144	805.338
48.0	719.796	732.650	758.800	785.836	795.144
48.5	707.386	721.569	748.606	775.199	785.393
49.0	696.305	709.602	737.082	765.005	775.199
49.5	684.781	698.521	726.444	755.254	765.448
50.0	672.814	686.997	715.807	744.617	755.254
50.5	661.734	675.917	704.726	735.752	745.946
51.0	650.210	664.393	694.976	725.558	736.195
51.5	639.129	652.869	683.895	715.807	726.444
52.0	627.162	641.789	673.258	705.613	716.694
52.5	615.638	630.265	663.063	695.419	707.386
53.0	603.671	619.184	652.426	686.554	697.192
53.5	592.148	608.104	642.232	676.360	687.884
54.0	581.067	597.023	632.038	666.609	678.576
54.5	570.430	585.499	621.844	657.745	669.269

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55.0	559.349	574.862	611.649	647.551	660.847
55.5	550.041	563.781	601.455	638.243	650.653
56.0	539.404	554.030	591.704	628.935	641.345
56.5	528.323	543.836	581.510	619.627	632.481
57.0	517.686	533.642	571.759	610.320	623.173
57.5	506.605	523.005	563.338	601.455	612.979
58.0	495.525	512.367	553.587	591.704	605.444
58.5	484.887	501.730	543.836	583.283	596.580
59.0	474.250	491.092	534.528	575.748	587.272
59.5	463.613	480.898	526.107	566.441	580.180
60.0	452.975	470.261	516.799	557.576	571.316
60.5	442.559	460.067	507.492	549.155	562.451
61.0	432.099	449.873	498.184	540.734	554.030
61.5	421.728	439.767	488.876	532.312	546.052
62.0	411.534	429.750	480.012	524.334	537.631
62.5	401.472	419.822	470.704	516.356	529.653
63.0	391.278	409.938	461.840	507.935	522.561
63.5	381.173	400.187	453.418	499.957	514.583
64.0	371.333	390.569	444.554	491.536	506.605
64.5	361.538	381.173	436.133	483.558	498.627
65.0	351.831	371.732	427.667	475.580	491.092
65.5	342.258	362.513	419.290	467.602	483.114
66.0	332.551	353.294	411.002	459.623	475.580
66.5	323.066	344.297	402.758	452.089	468.045
67.0	313.803	335.388	394.558	444.111	460.510
67.5	304.495	326.612	386.536	436.664	452.975
68.0	295.320	318.058	378.558	429.130	445.884
68.5	286.279	309.548	370.757	421.816	438.482
69.0	277.281	301.127	363.045	414.459	431.479
69.5	268.417	292.883	355.421	407.323	424.520
70.0	259.596	284.772	347.931	400.320	417.606
70.5	250.998	276.749	340.441	393.317	410.780
71.0	242.488	268.815	333.083	386.403	404.043
71.5	234.067	261.059	325.903	379.666	397.395
72.0	225.823	253.258	318.723	372.973	390.924
72.5	217.534	245.723	311.720	366.413	384.497
73.0	209.468	238.233	304.761	359.942	378.026
73.5	201.623	230.831	298.024	353.516	371.732
74.0	193.866	223.651	291.198	347.310	365.394
74.5	186.243	216.426	284.683	341.150	359.410
75.0	178.664	209.379	278.212	335.122	353.604
75.5	171.218	202.509	271.829	329.138	347.709
76.0	163.993	195.772	265.624	323.199	341.947
76.5	156.813	189.124	259.463	317.393	336.186
77.0	149.721	182.520	253.391	311.631	330.601
77.5	142.763	176.093	247.408	306.046	325.061
78.0	135.893	169.799	241.602	300.550	319.609
78.5	129.156	163.594	235.840	295.010	314.202
79.0	122.551	157.566	230.255	289.647	308.883
79.5	115.992	151.583	224.759	284.417	303.564
80.0	109.521	145.688	219.263	279.231	298.511
80.5	103.227	139.970	213.944	274.001	293.370
81.0	97.110	134.341	208.847	268.948	288.362
81.5	90.905	128.845	203.750	263.940	283.353
82.0	84.922	123.482	198.786	259.109	278.522
82.5	79.071	118.208	193.911	254.278	273.780

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83.0	73.309	113.066	189.124	249.624	269.170
83.5	67.592	108.058	184.559	244.881	264.383
84.0	62.007	103.183	180.126	240.405	259.818
84.5	56.467	98.484	175.783	235.973	255.341
85.0	51.148	93.919	171.528	231.585	250.865
85.5	45.829	89.576	167.361	227.330	246.521
86.0	40.599	85.409	163.284	223.163	242.222
86.5	35.414	81.509	159.428	218.997	237.923
87.0	30.317	77.742	155.527	215.052	233.712
87.5	25.219	74.240	151.849	211.063	229.679
88.0	20.167	70.827	148.214	207.207	225.601
88.5	15.070	67.636	144.713	203.396	221.656
89.0	10.416	64.622	141.389	199.717	217.756
89.5	6.604	61.830	138.153	196.171	213.944
90.0	3.945	59.348	135.183	192.803	210.443
90.5	2.792	57.176	132.435	189.434	206.720
91.0	2.970	55.181	129.643	186.021	203.174
91.5	3.546	53.276	126.851	182.786	199.628
92.0	4.211	51.680	124.191	179.506	196.171
92.5	4.920	50.306	121.931	176.359	192.758
93.0	5.629	49.109	119.582	173.389	189.478
93.5	6.382	48.178	117.366	170.464	186.376
94.0	7.180	47.381	115.283	167.716	183.362
94.5	7.934	46.804	113.332	164.924	180.259
95.0	8.687	46.361	111.515	162.176	177.290
95.5	9.396	46.051	109.831	159.561	174.364
96.0	9.973	45.918	108.368	157.034	171.483
96.5	10.549	45.918	106.906	154.685	168.824
97.0	11.081	45.962	105.576	152.425	166.165
97.5	11.657	46.140	104.335	150.253	163.727
98.0	12.144	46.317	103.227	148.126	161.245
98.5	12.721	46.539	102.296	146.087	158.940
99.0	13.297	46.804	101.321	144.181	156.680
99.5	13.917	47.115	100.479	142.364	154.464
100.0	14.449	47.425	99.814	140.679	152.469
100.5	15.070	47.780	99.149	139.039	150.430
101.0	15.601	48.134	98.662	137.488	148.613
101.5	16.133	48.489	98.174	136.026	146.752
102.0	16.621	48.843	97.820	134.652	145.112
102.5	17.108	49.198	97.465	133.366	143.472
103.0	17.596	49.597	97.199	132.081	142.009
103.5	18.128	49.996	96.977	130.973	140.502
104.0	18.704	50.350	96.756	129.953	139.128
104.5	19.280	50.749	96.623	128.978	137.843
105.0	19.812	51.148	96.490	128.092	136.602
105.5	20.300	51.503	96.357	127.161	135.538
106.0	20.876	51.946	96.313	126.363	134.474
106.5	21.408	52.345	96.313	125.610	133.410
107.0	21.940	52.788	96.313	124.901	132.524
107.5	22.427	53.143	96.313	124.369	131.593
108.0	23.048	53.586	96.313	123.748	130.662
108.5	23.624	54.029	96.357	123.305	130.042
109.0	24.200	54.384	96.446	122.729	129.421
109.5	24.821	54.783	96.490	122.330	128.757
110.0	25.441	55.181	96.579	121.887	128.225
110.5	26.062	55.580	96.667	121.488	127.737

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CANDELA TABULATION - (Cont.)

111.0	26.682	55.979	96.712	121.133	127.205
111.5	27.303	56.334	96.756	120.867	126.762
112.0	27.967	56.733	96.844	120.601	126.230
112.5	28.632	57.132	96.933	120.291	125.743
113.0	29.341	57.531	97.066	120.069	125.521
113.5	30.006	57.885	97.066	119.848	125.211
114.0	30.715	58.240	97.155	119.671	124.901
114.5	31.380	58.639	97.243	119.449	124.635
115.0	32.089	58.949	97.332	119.316	124.413
115.5	32.799	59.348	97.332	119.183	124.191
116.0	33.463	59.702	97.465	119.006	123.925
116.5	34.084	60.057	97.554	118.828	123.837
117.0	34.793	60.456	97.642	118.828	123.615
117.5	35.458	60.766	97.731	118.651	123.482
118.0	36.034	61.076	97.820	118.562	123.305
118.5	36.699	61.387	97.864	118.430	123.261
119.0	37.275	61.697	97.953	118.297	122.995
119.5	37.896	61.918	98.041	118.164	122.950
120.0	38.472	62.140	97.997	118.075	122.729
120.5	39.048	62.406	98.041	117.898	122.684
121.0	39.624	62.583	98.130	117.765	122.507
121.5	40.245	62.805	98.086	117.587	122.419
122.0	40.821	63.071	98.086	117.499	122.286
122.5	41.397	63.337	98.130	117.321	121.975
123.0	41.973	63.603	98.086	117.144	121.931
123.5	42.505	63.824	97.997	117.011	121.665
124.0	42.948	64.002	97.997	116.878	121.621
124.5	43.392	64.179	97.997	116.657	121.443
125.0	43.835	64.400	97.908	116.435	121.266
125.5	44.278	64.533	97.820	116.302	121.045
126.0	44.677	64.711	97.775	116.036	120.867
126.5	45.032	64.932	97.687	115.859	120.734
127.0	45.430	65.021	97.598	115.637	120.557
127.5	45.741	65.154	97.465	115.416	120.247
128.0	46.140	65.154	97.421	115.150	120.069
128.5	46.450	65.243	97.243	114.928	119.892
129.0	46.760	65.331	97.066	114.706	119.671
129.5	47.026	65.464	96.756	114.352	119.405
130.0	47.248	65.553	96.446	114.130	119.139
130.5	47.469	65.642	96.091	113.864	118.828
131.0	47.602	65.774	95.736	113.465	118.518
131.5	47.780	65.907	95.382	113.111	118.208
132.0	47.957	66.040	94.983	112.889	117.942
132.5	48.046	66.085	94.540	112.446	117.543
133.0	48.178	66.129	94.362	112.047	117.056
133.5	48.223	66.085	94.096	111.737	116.834
134.0	48.267	65.996	93.919	111.382	116.524
134.5	48.400	65.819	93.698	110.983	115.947
135.0	48.533	65.686	93.432	110.451	115.504
135.5	48.489	65.331	93.210	110.097	115.150
136.0	48.577	65.287	92.900	109.654	114.706
136.5	48.666	65.154	92.678	109.166	114.263
137.0	48.710	64.932	92.324	108.767	113.776
137.5	48.755	64.711	92.013	108.235	113.332
138.0	48.843	64.578	91.570	107.792	112.801
138.5	48.843	64.400	90.994	107.305	112.402

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

139.0	48.799	64.268	90.329	106.728	111.781
139.5	48.799	64.090	89.531	106.108	111.338
140.0	48.799	63.869	88.645	105.532	110.717
140.5	48.799	63.736	87.847	104.823	110.053
141.0	48.799	63.647	86.961	104.069	109.521
141.5	48.799	63.470	86.074	103.404	108.989
142.0	48.755	63.381	85.232	102.562	108.413
142.5	48.710	63.248	84.346	101.809	107.748
143.0	48.666	63.115	83.503	101.099	107.083
143.5	48.666	62.938	82.528	100.346	106.462
144.0	48.666	62.716	81.686	99.770	105.753
144.5	48.799	62.539	80.844	99.105	105.133
145.0	48.976	62.362	79.913	98.529	104.424
145.5	49.287	62.140	79.071	97.953	103.714
146.0	49.685	61.963	78.273	97.332	103.050
146.5	50.084	61.785	77.609	96.667	102.296
147.0	50.483	61.564	76.855	96.002	101.543
147.5	50.838	61.475	76.279	95.338	100.789
148.0	51.237	61.298	75.658	94.584	99.991
148.5	51.591	61.254	75.171	93.875	99.194
149.0	52.035	61.254	74.639	93.166	98.484
149.5	52.345	61.387	74.151	92.412	97.598
150.0	52.699	61.475	73.664	91.703	96.667
150.5	53.010	61.520	73.132	90.905	95.692
151.0	53.231	61.652	72.423	90.107	94.540
151.5	53.453	61.697	71.669	89.265	93.476
152.0	53.719	61.785	70.960	88.379	92.412
152.5	53.985	61.874	70.295	87.448	91.260
153.0	54.162	61.918	69.586	86.384	90.329
153.5	54.384	62.051	68.833	85.276	89.265
154.0	54.561	62.007	68.168	84.035	88.379
154.5	54.783	62.051	67.592	82.839	87.492
155.0	54.871	62.140	67.015	81.465	86.828
155.5	55.048	62.184	66.439	80.179	86.118
156.0	55.181	62.184	66.040	78.805	85.498
156.5	55.403	62.184	65.642	77.431	84.700
157.0	55.492	62.273	65.243	76.190	83.947
157.5	55.625	62.273	64.977	74.994	83.105
158.0	55.802	62.229	64.844	73.753	82.307
158.5	55.846	62.229	64.666	72.733	81.376
159.0	56.068	62.096	64.533	71.758	80.578
159.5	56.245	62.007	64.312	70.827	79.692
160.0	56.467	61.918	64.090	70.074	78.805
160.5	56.733	61.874	63.913	69.365	77.963
161.0	56.910	61.741	63.869	68.611	77.121
161.5	57.176	61.697	63.780	67.858	76.500
162.0	57.398	61.608	63.913	67.237	75.969
162.5	57.619	61.608	64.002	66.572	75.348
163.0	57.885	61.564	64.046	65.863	74.816
163.5	58.107	61.564	64.135	65.110	74.151
164.0	58.195	61.564	64.223	64.179	73.531
164.5	58.328	61.475	64.135	63.470	72.733
165.0	58.461	61.475	64.002	62.761	71.935
165.5	58.594	61.431	63.869	62.273	71.093
166.0	58.727	61.387	63.780	61.741	69.808
166.5	58.860	61.387	63.647	61.298	69.187

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	59.037	61.387	63.514	60.899	68.700
167.5	59.126	61.387	63.248	60.544	68.212
168.0	59.259	61.387	63.026	60.190	67.813
168.5	59.525	61.209	62.716	59.880	67.326
169.0	59.658	61.254	62.495	59.569	66.838
169.5	59.880	61.121	62.140	59.215	66.306
170.0	59.968	61.076	61.830	58.772	65.819
170.5	60.101	60.988	61.431	58.284	65.287
171.0	60.190	60.899	60.988	57.752	64.622
171.5	60.323	60.899	60.589	57.265	64.090
172.0	60.544	60.810	60.367	56.777	63.292
172.5	60.677	60.810	60.101	56.245	62.406
173.0	60.855	60.722	59.880	55.758	60.899
173.5	61.076	60.766	59.791	55.270	58.639
174.0	61.254	60.766	59.747	54.871	55.846
174.5	61.387	60.766	59.658	54.472	52.522
175.0	61.652	60.899	59.614	54.162	48.755
175.5	61.741	60.943	59.569	54.029	44.810
176.0	61.918	61.032	59.569	53.896	42.239
176.5	61.963	61.076	59.525	53.896	40.422
177.0	62.140	61.165	59.436	53.763	38.561
177.5	62.184	61.165	59.303	53.719	38.162
178.0	62.362	61.254	59.259	53.674	38.250
178.5	62.450	61.298	59.303	53.586	38.339
179.0	62.539	61.298	59.259	53.453	38.383
179.5	62.628	61.298	59.215	53.409	38.428
180.0	56.157	56.157	56.157	56.157	56.157

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L50-950-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	507.44	N.A.	11.70
0-30	1063.25	N.A.	24.50
0-40	1707.96	N.A.	39.40
0-60	2890.51	N.A.	66.70
0-80	3601.05	N.A.	83.10
0-90	3779.76	N.A.	87.30
10-90	3647.47	N.A.	84.20
20-40	1200.53	N.A.	27.70
20-50	1835.41	N.A.	42.40
40-70	1603.78	N.A.	37.00
60-80	710.55	N.A.	16.40
70-80	289.31	N.A.	6.70
80-90	178.70	N.A.	4.10
90-110	208.72	N.A.	4.80
90-120	296.60	N.A.	6.80
90-130	377.47	N.A.	8.70
90-150	495.54	N.A.	11.40
90-180	551.99	N.A.	12.70
110-180	343.27	N.A.	7.90
0-180	4331.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	132.29
10-20	375.15
20-30	555.81
30-40	644.71
40-50	634.88
50-60	547.66
60-70	421.24
70-80	289.31
80-90	178.70
90-100	114.49
100-110	94.23
110-120	87.87
120-130	80.87
130-140	67.96
140-150	50.12
150-160	32.77
160-170	18.05
170-180	5.62

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L50-950-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-L50-950-DIM-UNV_.IES

UGR TABLE - CORRECTED

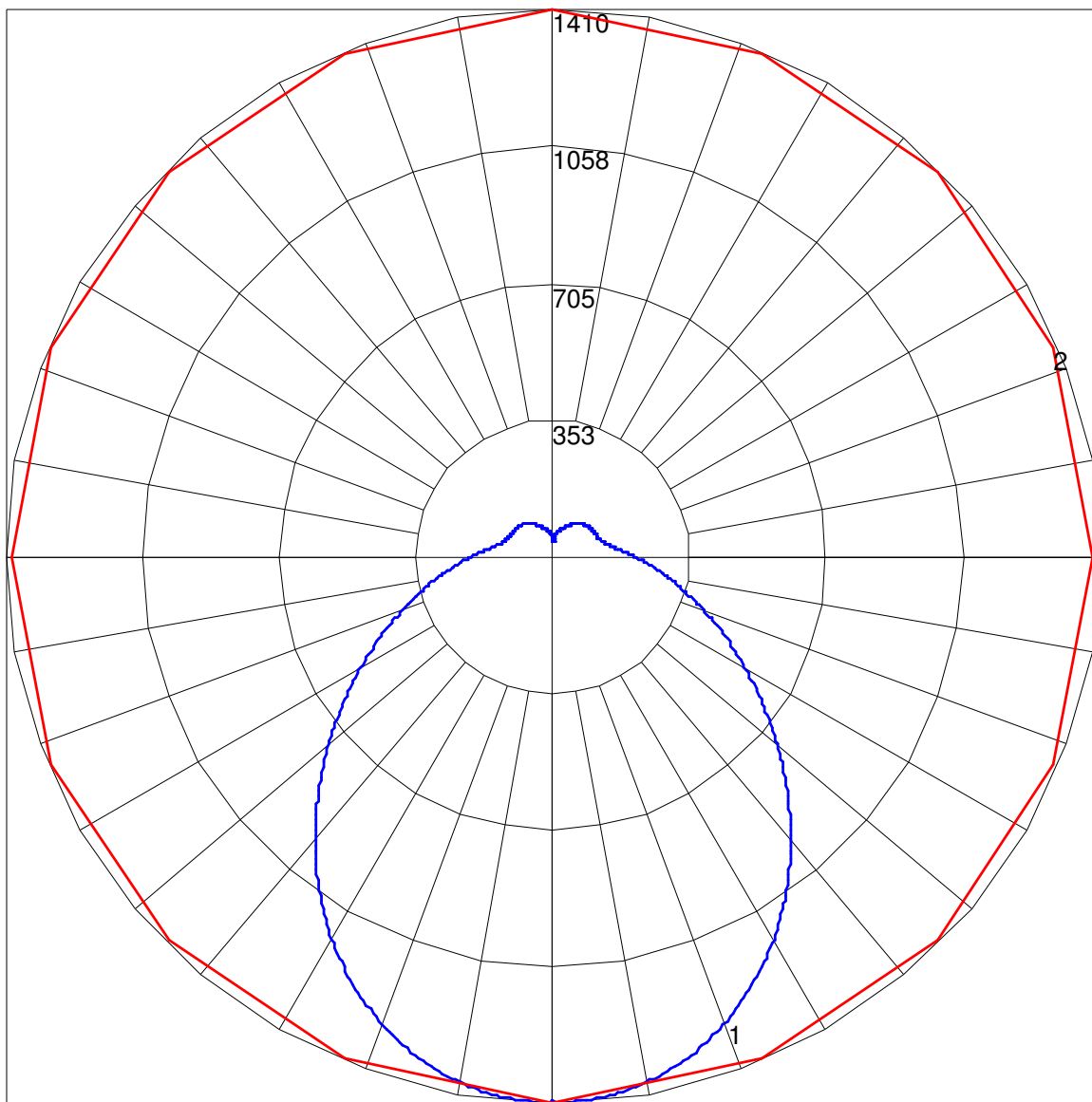
Reflectances

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	16.9	18.3	17.5	18.8	19.4	18.6	19.9	19.1	20.5	21.1
	3H	18.3	19.5	18.8	20.1	20.7	20.8	22.0	21.3	22.6	23.2
	4H	18.7	19.9	19.3	20.5	21.1	21.8	23.0	22.4	23.6	24.3
	6H	19.0	20.1	19.6	20.7	21.4	23.0	24.0	23.6	24.6	25.3
	8H	19.1	20.1	19.7	20.7	21.4	23.5	24.6	24.2	25.2	25.9
	12H	19.1	20.1	19.7	20.7	21.4	24.2	25.2	24.8	25.8	26.5
4H	2H	17.6	18.8	18.2	19.4	20.1	19.0	20.1	19.6	20.7	21.4
	3H	19.2	20.2	19.8	20.8	21.5	21.4	22.4	22.0	23.0	23.7
	4H	19.8	20.7	20.4	21.3	22.1	22.7	23.5	23.3	24.2	24.9
	6H	20.2	21.0	20.9	21.7	22.4	24.0	24.8	24.6	25.4	26.2
	8H	20.3	21.1	21.0	21.7	22.5	24.7	25.4	25.3	26.1	26.8
	12H	20.4	21.1	21.1	21.8	22.5	25.5	26.1	26.1	26.8	27.6
8H	4H	20.4	21.1	21.0	21.8	22.5	22.8	23.6	23.5	24.2	25.0
	6H	21.0	21.6	21.6	22.3	23.0	24.4	25.0	25.0	25.7	26.4
	8H	21.2	21.7	21.8	22.4	23.2	25.2	25.8	25.9	26.5	27.2
	12H	21.3	21.8	22.0	22.5	23.3	26.2	26.7	26.9	27.4	28.2
12H	4H	20.5	21.2	21.2	21.9	22.6	22.9	23.5	23.5	24.2	25.0
	6H	21.2	21.8	21.9	22.5	23.3	24.4	25.0	25.1	25.6	26.4
	8H	21.5	22.0	22.2	22.7	23.5	25.3	25.8	26.0	26.5	27.3

Maximum UGR = 28.2

POLAR GRAPH



Maximum Candela = 1410.339 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.)