

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L50-930-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-L50-930-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	3991
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
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	8757	7844	7766
55	7583	6715	6818
65	6374	5751	6076
75	5112	5024	5680
85	3750	4942	6001

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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	1291.655	1291.655	1291.655	1291.655	1291.655
0.5	1285.529	1290.430	1291.246	1290.838	1299.414
1.0	1285.529	1290.838	1290.838	1290.430	1299.005
1.5	1284.304	1290.838	1290.430	1290.021	1299.414
2.0	1283.896	1289.613	1290.430	1289.613	1298.188
2.5	1283.896	1289.613	1289.204	1289.204	1297.372
3.0	1282.671	1288.388	1288.388	1288.388	1296.555
3.5	1281.854	1287.163	1287.163	1287.571	1295.738
4.0	1281.037	1286.346	1286.346	1285.938	1294.922
4.5	1278.995	1285.121	1285.529	1285.121	1293.696
5.0	1277.770	1283.896	1283.896	1283.896	1292.471
5.5	1276.137	1282.262	1282.262	1282.671	1290.838
6.0	1275.320	1280.220	1280.629	1280.629	1289.204
6.5	1272.462	1278.587	1278.995	1278.995	1287.163
7.0	1270.828	1276.545	1276.954	1276.545	1285.529
7.5	1269.195	1274.095	1274.912	1274.912	1283.487
8.0	1267.153	1272.462	1272.462	1272.462	1280.629
8.5	1265.111	1269.603	1270.420	1270.420	1278.179
9.0	1261.844	1267.561	1267.970	1267.561	1275.320
9.5	1259.802	1264.703	1264.703	1264.703	1273.687
10.0	1256.535	1261.436	1261.436	1262.252	1270.420
10.5	1253.677	1258.577	1258.986	1258.986	1267.561
11.0	1250.818	1255.719	1256.127	1255.719	1264.294
11.5	1247.143	1252.452	1253.268	1252.452	1261.436
12.0	1243.876	1248.776	1249.593	1249.593	1257.760
12.5	1240.609	1245.101	1246.326	1245.510	1254.494
13.0	1236.934	1241.834	1242.651	1242.243	1250.818
13.5	1233.259	1237.751	1238.567	1238.567	1247.551
14.0	1228.767	1233.667	1234.484	1234.484	1243.059
14.5	1225.091	1229.583	1230.400	1230.400	1239.792
15.0	1221.416	1225.500	1225.908	1225.908	1234.892
15.5	1216.924	1220.599	1221.824	1221.824	1229.992
16.0	1212.024	1216.107	1217.332	1217.332	1225.908
16.5	1207.940	1211.207	1212.432	1212.840	1221.416
17.0	1202.223	1205.898	1207.532	1207.940	1216.516
17.5	1197.323	1200.998	1202.631	1203.040	1211.615
18.0	1192.831	1196.098	1197.323	1198.548	1207.123
18.5	1187.522	1191.197	1192.422	1193.239	1201.815
19.0	1182.213	1185.072	1187.114	1187.930	1196.098
19.5	1176.088	1180.171	1181.805	1183.438	1190.789
20.0	1169.554	1174.046	1176.088	1177.313	1185.072
20.5	1163.020	1168.737	1170.371	1172.004	1179.763
21.0	1157.711	1162.203	1163.428	1166.695	1174.046
21.5	1151.586	1156.078	1158.120	1159.753	1167.920
22.0	1145.052	1150.361	1152.403	1154.036	1162.612
22.5	1139.335	1143.010	1145.869	1148.319	1156.486
23.0	1132.393	1136.476	1139.335	1141.785	1149.952
23.5	1125.042	1129.534	1133.210	1135.660	1143.827
24.0	1117.692	1122.592	1126.267	1129.126	1137.293
24.5	1111.566	1115.650	1119.734	1122.184	1129.943
25.0	1104.624	1108.708	1113.200	1115.650	1123.409
25.5	1096.865	1101.766	1105.441	1109.116	1115.650
26.0	1089.515	1094.007	1098.907	1102.174	1109.524
26.5	1081.756	1086.248	1091.965	1094.823	1102.582

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27.0	1073.997	1078.080	1085.023	1088.698	1095.640
27.5	1065.013	1070.321	1077.264	1080.531	1088.698
28.0	1058.479	1062.563	1069.505	1073.180	1080.939
28.5	1049.903	1054.804	1061.746	1065.421	1073.180
29.0	1041.736	1046.636	1053.579	1058.071	1065.829
29.5	1033.160	1038.061	1045.411	1049.903	1057.662
30.0	1024.585	1029.893	1037.244	1042.961	1050.720
30.5	1015.601	1020.909	1029.485	1035.202	1042.553
31.0	1007.025	1012.334	1020.909	1027.035	1033.977
31.5	998.041	1004.167	1012.742	1019.276	1026.627
32.0	989.465	994.774	1004.575	1010.700	1018.051
32.5	980.073	985.790	995.999	1002.533	1009.884
33.0	971.089	977.215	986.607	994.366	1001.716
33.5	962.513	968.231	978.440	985.382	993.141
34.0	952.304	958.838	969.456	977.215	985.382
34.5	942.912	949.854	960.880	968.231	976.398
35.0	934.336	940.053	952.304	960.063	967.822
35.5	923.311	931.069	942.912	951.079	958.838
36.0	914.735	921.269	933.928	942.095	950.263
36.5	904.117	911.468	924.536	933.520	942.095
37.0	894.317	902.076	915.143	924.127	933.520
37.5	884.108	891.867	906.159	915.960	924.127
38.0	873.899	882.066	896.359	906.568	914.327
38.5	863.281	871.857	886.966	897.992	905.343
39.0	853.889	861.648	877.165	888.600	897.992
39.5	843.271	852.255	867.773	879.207	888.191
40.0	831.837	841.638	857.972	870.632	878.799
40.5	821.220	831.429	848.580	861.648	869.815
41.0	811.419	821.220	838.779	852.255	860.423
41.5	800.801	811.010	828.978	842.863	851.439
42.0	790.184	800.801	819.178	833.879	842.454
42.5	779.975	790.184	808.969	824.486	833.062
43.0	768.541	779.975	799.576	815.502	824.078
43.5	758.740	769.357	789.367	806.110	815.094
44.0	747.714	758.740	779.158	797.126	805.702
44.5	737.505	748.531	768.949	787.325	796.309
45.0	726.888	737.913	759.148	778.750	787.734
45.5	716.270	727.704	749.348	769.766	778.750
46.0	705.653	717.087	738.730	759.965	769.357
46.5	695.035	706.469	729.746	751.798	760.373
47.0	684.009	696.260	719.537	741.997	751.389
47.5	673.392	685.643	709.328	732.605	741.997
48.0	663.183	675.025	699.119	724.029	732.605
48.5	651.749	664.816	689.726	714.228	723.621
49.0	641.540	653.790	679.109	704.836	714.228
49.5	630.922	643.581	669.308	695.852	705.244
50.0	619.896	632.964	659.508	686.051	695.852
50.5	609.687	622.755	649.298	677.884	687.276
51.0	599.070	612.137	640.314	668.492	678.292
51.5	588.861	601.520	630.105	659.508	669.308
52.0	577.835	591.311	620.305	650.115	660.324
52.5	567.217	580.693	610.912	640.723	651.749
53.0	556.191	570.484	601.111	632.556	642.356
53.5	545.574	560.275	591.719	623.163	633.781
54.0	535.365	550.066	582.327	614.179	625.205
54.5	525.564	539.449	572.934	606.012	616.629

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55.0	515.355	529.648	563.542	596.619	608.870
55.5	506.779	519.439	554.150	588.044	599.478
56.0	496.979	510.455	545.166	579.468	590.902
56.5	486.770	501.062	535.773	570.893	582.735
57.0	476.969	491.670	526.789	562.317	574.159
57.5	466.760	481.869	519.030	554.150	564.767
58.0	456.551	472.069	510.046	545.166	557.825
58.5	446.750	462.268	501.062	537.407	549.658
59.0	436.949	452.467	492.487	530.465	541.082
59.5	427.149	443.075	484.728	521.889	534.548
60.0	417.348	433.274	476.152	513.722	526.381
60.5	407.751	423.882	467.577	505.963	518.214
61.0	398.114	414.489	459.001	498.204	510.455
61.5	388.558	405.179	450.425	490.445	503.104
62.0	379.166	395.950	442.258	483.094	495.345
62.5	369.896	386.802	433.682	475.744	487.995
63.0	360.504	377.696	425.515	467.985	481.461
63.5	351.193	368.712	417.756	460.634	474.110
64.0	342.127	359.850	409.589	452.875	466.760
64.5	333.102	351.193	401.830	445.525	459.409
65.0	324.159	342.495	394.030	438.174	452.467
65.5	315.339	334.001	386.312	430.824	445.117
66.0	306.395	325.507	378.676	423.473	438.174
66.5	297.656	317.217	371.080	416.531	431.232
67.0	289.122	309.009	363.525	409.181	424.290
67.5	280.546	300.923	356.134	402.320	417.348
68.0	272.093	293.042	348.784	395.378	410.814
68.5	263.762	285.201	341.596	388.640	403.994
69.0	255.472	277.442	334.491	381.861	397.542
69.5	247.305	269.847	327.467	375.286	391.131
70.0	239.179	262.374	320.566	368.834	384.760
70.5	231.256	254.982	313.664	362.382	378.472
71.0	223.416	247.673	306.885	356.012	372.264
71.5	215.657	240.526	300.270	349.804	366.139
72.0	208.061	233.339	293.654	343.638	360.177
72.5	200.425	226.397	287.202	337.594	354.256
73.0	192.993	219.496	280.791	331.632	348.293
73.5	185.765	212.676	274.584	325.711	342.495
74.0	178.618	206.060	268.295	319.994	336.655
74.5	171.594	199.404	262.292	314.318	331.142
75.0	164.611	192.911	256.330	308.764	325.793
75.5	157.751	186.581	250.450	303.251	320.361
76.0	151.095	180.374	244.732	297.779	315.053
76.5	144.479	174.249	239.056	292.429	309.744
77.0	137.945	168.164	233.462	287.121	304.599
77.5	131.534	162.243	227.949	281.975	299.494
78.0	125.204	156.444	222.599	276.911	294.471
78.5	118.997	150.727	217.290	271.807	289.489
79.0	112.913	145.173	212.145	266.866	284.589
79.5	106.869	139.660	207.081	262.047	279.688
80.0	100.907	134.229	202.018	257.269	275.033
80.5	95.108	128.961	197.117	252.450	270.296
81.0	89.473	123.775	192.421	247.795	265.681
81.5	83.755	118.711	187.725	243.181	261.067
82.0	78.243	113.770	183.151	238.729	256.616
82.5	72.852	108.911	178.659	234.278	252.246

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83.0	67.543	104.174	174.249	229.990	247.999
83.5	62.275	99.559	170.043	225.621	243.589
84.0	57.130	95.067	165.959	221.497	239.383
84.5	52.026	90.738	161.957	217.413	235.258
85.0	47.125	86.532	158.037	213.370	231.134
85.5	42.225	82.530	154.198	209.450	227.132
86.0	37.406	78.692	150.441	205.611	223.171
86.5	32.628	75.098	146.888	201.773	219.210
87.0	27.932	71.627	143.295	198.138	215.330
87.5	23.236	68.401	139.905	194.463	211.614
88.0	18.581	65.257	136.557	190.910	207.857
88.5	13.884	62.316	133.331	187.398	204.223
89.0	9.597	59.539	130.268	184.009	200.629
89.5	6.085	56.967	127.287	180.742	197.117
90.0	3.634	54.680	124.551	177.638	193.891
90.5	2.573	52.679	122.019	174.535	190.461
91.0	2.736	50.841	119.446	171.390	187.194
91.5	3.267	49.085	116.874	168.409	183.927
92.0	3.879	47.615	114.424	165.387	180.742
92.5	4.533	46.349	112.341	162.488	177.597
93.0	5.186	45.247	110.177	159.752	174.576
93.5	5.880	44.389	108.135	157.057	171.717
94.0	6.615	43.654	106.215	154.525	168.940
94.5	7.310	43.123	104.419	151.952	166.082
95.0	8.004	42.715	102.744	149.420	163.346
95.5	8.657	42.429	101.193	147.011	160.650
96.0	9.188	42.306	99.845	144.683	157.996
96.5	9.719	42.306	98.497	142.519	155.546
97.0	10.209	42.347	97.272	140.436	153.096
97.5	10.740	42.511	96.129	138.435	150.850
98.0	11.189	42.674	95.108	136.475	148.563
98.5	11.720	42.878	94.250	134.597	146.439
99.0	12.251	43.123	93.352	132.841	144.357
99.5	12.823	43.409	92.576	131.166	142.315
100.0	13.313	43.695	91.964	129.615	140.477
100.5	13.884	44.022	91.351	128.104	138.599
101.0	14.374	44.348	90.902	126.674	136.924
101.5	14.864	44.675	90.453	125.327	135.209
102.0	15.314	45.002	90.126	124.061	133.698
102.5	15.763	45.328	89.799	122.877	132.187
103.0	16.212	45.696	89.554	121.692	130.840
103.5	16.702	46.063	89.350	120.671	129.451
104.0	17.233	46.390	89.146	119.732	128.185
104.5	17.764	46.758	89.023	118.834	127.001
105.0	18.254	47.125	88.901	118.017	125.858
105.5	18.703	47.452	88.778	117.160	124.878
106.0	19.234	47.860	88.737	116.425	123.898
106.5	19.724	48.228	88.737	115.730	122.918
107.0	20.214	48.636	88.737	115.077	122.101
107.5	20.663	48.963	88.737	114.587	121.243
108.0	21.235	49.371	88.737	114.015	120.386
108.5	21.766	49.780	88.778	113.607	119.814
109.0	22.297	50.106	88.860	113.076	119.242
109.5	22.868	50.474	88.901	112.708	118.630
110.0	23.440	50.841	88.982	112.300	118.140
110.5	24.012	51.209	89.064	111.933	117.690

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111.0	24.584	51.576	89.105	111.606	117.200
111.5	25.155	51.903	89.146	111.361	116.792
112.0	25.768	52.271	89.227	111.116	116.302
112.5	26.380	52.638	89.309	110.830	115.853
113.0	27.034	53.006	89.432	110.626	115.649
113.5	27.646	53.332	89.432	110.422	115.363
114.0	28.300	53.659	89.513	110.258	115.077
114.5	28.912	54.027	89.595	110.054	114.832
115.0	29.566	54.312	89.677	109.932	114.628
115.5	30.219	54.680	89.677	109.809	114.424
116.0	30.831	55.007	89.799	109.646	114.179
116.5	31.403	55.333	89.881	109.482	114.097
117.0	32.057	55.701	89.963	109.482	113.893
117.5	32.669	55.987	90.044	109.319	113.770
118.0	33.200	56.273	90.126	109.237	113.607
118.5	33.813	56.558	90.167	109.115	113.566
119.0	34.343	56.844	90.248	108.992	113.321
119.5	34.915	57.048	90.330	108.870	113.280
120.0	35.446	57.253	90.289	108.788	113.076
120.5	35.977	57.498	90.330	108.625	113.035
121.0	36.508	57.661	90.412	108.502	112.872
121.5	37.079	57.865	90.371	108.339	112.790
122.0	37.610	58.110	90.371	108.257	112.668
122.5	38.141	58.355	90.412	108.094	112.382
123.0	38.672	58.600	90.371	107.931	112.341
123.5	39.162	58.804	90.289	107.808	112.096
124.0	39.570	58.968	90.289	107.686	112.055
124.5	39.979	59.131	90.289	107.481	111.892
125.0	40.387	59.335	90.208	107.277	111.728
125.5	40.796	59.458	90.126	107.155	111.524
126.0	41.163	59.621	90.085	106.910	111.361
126.5	41.490	59.825	90.003	106.746	111.238
127.0	41.857	59.907	89.922	106.542	111.075
127.5	42.143	60.029	89.799	106.338	110.789
128.0	42.511	60.029	89.758	106.093	110.626
128.5	42.797	60.111	89.595	105.889	110.462
129.0	43.082	60.193	89.432	105.685	110.258
129.5	43.327	60.315	89.146	105.358	110.013
130.0	43.532	60.397	88.860	105.154	109.768
130.5	43.736	60.479	88.533	104.909	109.482
131.0	43.858	60.601	88.207	104.541	109.196
131.5	44.022	60.724	87.880	104.214	108.911
132.0	44.185	60.846	87.512	104.010	108.666
132.5	44.267	60.887	87.104	103.602	108.298
133.0	44.389	60.928	86.941	103.234	107.849
133.5	44.430	60.887	86.696	102.949	107.645
134.0	44.471	60.805	86.532	102.622	107.359
134.5	44.593	60.642	86.328	102.254	106.828
135.0	44.716	60.520	86.083	101.764	106.420
135.5	44.675	60.193	85.879	101.438	106.093
136.0	44.757	60.152	85.593	101.029	105.685
136.5	44.838	60.029	85.389	100.580	105.276
137.0	44.879	59.825	85.062	100.212	104.827
137.5	44.920	59.621	84.776	99.722	104.419
138.0	45.002	59.499	84.368	99.314	103.929
138.5	45.002	59.335	83.837	98.865	103.561

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

139.0	44.961	59.213	83.225	98.334	102.989
139.5	44.961	59.049	82.489	97.762	102.581
140.0	44.961	58.845	81.673	97.231	102.009
140.5	44.961	58.723	80.938	96.578	101.397
141.0	44.961	58.641	80.121	95.884	100.907
141.5	44.961	58.478	79.304	95.271	100.417
142.0	44.920	58.396	78.528	94.495	99.886
142.5	44.879	58.274	77.712	93.801	99.273
143.0	44.838	58.151	76.936	93.148	98.661
143.5	44.838	57.988	76.037	92.454	98.089
144.0	44.838	57.783	75.261	91.923	97.436
144.5	44.961	57.620	74.486	91.310	96.864
145.0	45.124	57.457	73.628	90.779	96.211
145.5	45.410	57.253	72.852	90.248	95.557
146.0	45.778	57.089	72.117	89.677	94.945
146.5	46.145	56.926	71.504	89.064	94.250
147.0	46.513	56.722	70.810	88.452	93.556
147.5	46.839	56.640	70.279	87.839	92.862
148.0	47.207	56.477	69.708	87.145	92.127
148.5	47.534	56.436	69.258	86.491	91.392
149.0	47.942	56.436	68.768	85.838	90.738
149.5	48.228	56.558	68.319	85.144	89.922
150.0	48.554	56.640	67.870	84.490	89.064
150.5	48.840	56.681	67.380	83.755	88.166
151.0	49.044	56.803	66.727	83.020	87.104
151.5	49.249	56.844	66.032	82.244	86.124
152.0	49.494	56.926	65.379	81.428	85.144
152.5	49.739	57.008	64.766	80.570	84.082
153.0	49.902	57.048	64.113	79.590	83.225
153.5	50.106	57.171	63.419	78.569	82.244
154.0	50.270	57.130	62.806	77.426	81.428
154.5	50.474	57.171	62.275	76.323	80.611
155.0	50.555	57.253	61.745	75.057	79.998
155.5	50.719	57.293	61.214	73.873	79.345
156.0	50.841	57.293	60.846	72.607	78.773
156.5	51.045	57.293	60.479	71.341	78.038
157.0	51.127	57.375	60.111	70.198	77.344
157.5	51.250	57.375	59.866	69.095	76.568
158.0	51.413	57.334	59.744	67.952	75.833
158.5	51.454	57.334	59.580	67.012	74.976
159.0	51.658	57.212	59.458	66.114	74.241
159.5	51.821	57.130	59.254	65.257	73.424
160.0	52.026	57.048	59.049	64.562	72.607
160.5	52.271	57.008	58.886	63.909	71.831
161.0	52.434	56.885	58.845	63.215	71.055
161.5	52.679	56.844	58.764	62.520	70.484
162.0	52.883	56.763	58.886	61.949	69.994
162.5	53.087	56.763	58.968	61.336	69.422
163.0	53.332	56.722	59.009	60.683	68.932
163.5	53.536	56.722	59.090	59.989	68.319
164.0	53.618	56.722	59.172	59.131	67.748
164.5	53.741	56.640	59.090	58.478	67.012
165.0	53.863	56.640	58.968	57.824	66.277
165.5	53.986	56.599	58.845	57.375	65.502
166.0	54.108	56.558	58.764	56.885	64.317
166.5	54.231	56.558	58.641	56.477	63.746

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	54.394	56.558	58.519	56.109	63.296
167.5	54.476	56.558	58.274	55.782	62.847
168.0	54.598	56.558	58.069	55.456	62.480
168.5	54.843	56.395	57.783	55.170	62.030
169.0	54.966	56.436	57.579	54.884	61.581
169.5	55.170	56.313	57.253	54.557	61.091
170.0	55.252	56.273	56.967	54.149	60.642
170.5	55.374	56.191	56.599	53.700	60.152
171.0	55.456	56.109	56.191	53.210	59.539
171.5	55.578	56.109	55.823	52.761	59.049
172.0	55.782	56.028	55.619	52.311	58.314
172.5	55.905	56.028	55.374	51.821	57.498
173.0	56.068	55.946	55.170	51.372	56.109
173.5	56.273	55.987	55.088	50.923	54.027
174.0	56.436	55.987	55.047	50.555	51.454
174.5	56.558	55.987	54.966	50.188	48.391
175.0	56.803	56.109	54.925	49.902	44.920
175.5	56.885	56.150	54.884	49.780	41.286
176.0	57.048	56.232	54.884	49.657	38.917
176.5	57.089	56.273	54.843	49.657	37.243
177.0	57.253	56.354	54.762	49.535	35.528
177.5	57.293	56.354	54.639	49.494	35.160
178.0	57.457	56.436	54.598	49.453	35.242
178.5	57.538	56.477	54.639	49.371	35.323
179.0	57.620	56.477	54.598	49.249	35.364
179.5	57.702	56.477	54.557	49.208	35.405
180.0	51.740	51.740	51.740	51.740	51.740

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L50-930-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	467.53	N.A.	11.70
0-30	979.62	N.A.	24.50
0-40	1573.63	N.A.	39.40
0-60	2663.16	N.A.	66.70
0-80	3317.82	N.A.	83.10
0-90	3482.47	N.A.	87.30
10-90	3360.59	N.A.	84.20
20-40	1106.1	N.A.	27.70
20-50	1691.05	N.A.	42.40
40-70	1477.64	N.A.	37.00
60-80	654.66	N.A.	16.40
70-80	266.55	N.A.	6.70
80-90	164.65	N.A.	4.10
90-110	192.31	N.A.	4.80
90-120	273.27	N.A.	6.80
90-130	347.78	N.A.	8.70
90-150	456.57	N.A.	11.40
90-180	508.58	N.A.	12.70
110-180	316.27	N.A.	7.90
0-180	3991.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	121.89
10-20	345.64
20-30	512.10
30-40	594.01
40-50	584.95
50-60	504.58
60-70	388.11
70-80	266.55
80-90	164.65
90-100	105.49
100-110	86.82
110-120	80.96
120-130	74.51
130-140	62.61
140-150	46.18
150-160	30.19
160-170	16.63
170-180	5.18

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L50-930-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-L50-930-DIM-UNV_.IES

UGR TABLE - CORRECTED

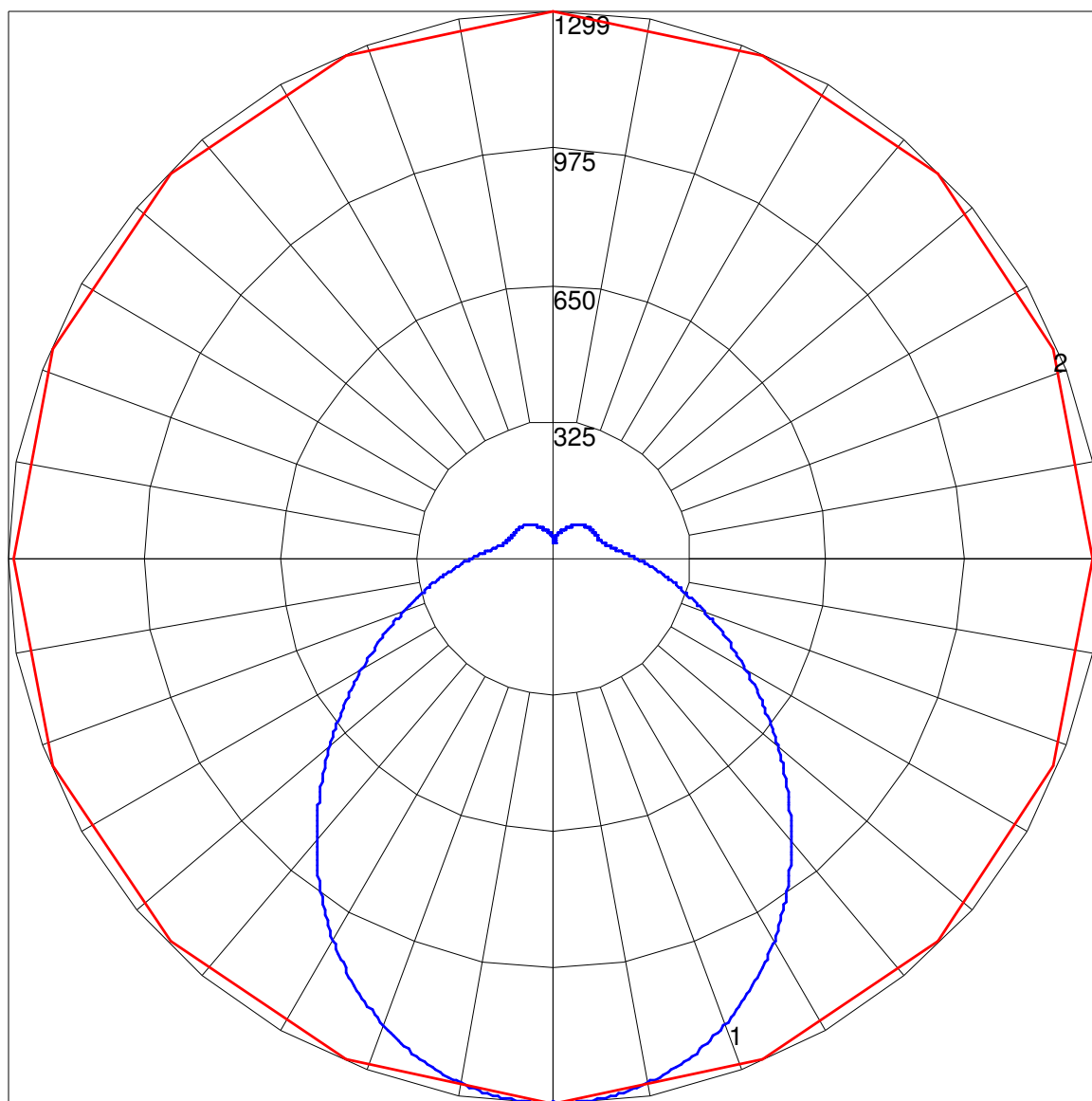
Reflectances

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	16.6	18.0	17.2	18.5	19.1	18.3	19.6	18.8	20.2	20.8
	3H	18.0	19.2	18.5	19.8	20.4	20.5	21.7	21.0	22.3	22.9
	4H	18.4	19.6	19.0	20.2	20.8	21.5	22.7	22.1	23.3	24.0
	6H	18.7	19.8	19.3	20.4	21.1	22.7	23.7	23.3	24.3	25.0
	8H	18.8	19.8	19.4	20.4	21.1	23.2	24.3	23.9	24.9	25.6
	12H	18.8	19.8	19.4	20.4	21.1	23.9	24.9	24.5	25.5	26.2
4H	2H	17.3	18.5	17.9	19.1	19.8	18.7	19.8	19.3	20.4	21.1
	3H	18.9	19.9	19.5	20.5	21.2	21.1	22.1	21.7	22.7	23.4
	4H	19.5	20.4	20.1	21.0	21.8	22.4	23.2	23.0	23.9	24.6
	6H	19.9	20.7	20.6	21.4	22.1	23.7	24.5	24.3	25.1	25.9
	8H	20.0	20.8	20.7	21.4	22.2	24.4	25.1	25.0	25.8	26.5
	12H	20.1	20.8	20.8	21.5	22.2	25.2	25.8	25.8	26.5	27.3
8H	4H	20.1	20.8	20.7	21.5	22.2	22.5	23.3	23.2	23.9	24.7
	6H	20.7	21.3	21.3	22.0	22.7	24.0	24.7	24.7	25.4	26.1
	8H	20.9	21.4	21.5	22.1	22.9	24.9	25.5	25.6	26.2	26.9
	12H	21.0	21.5	21.7	22.2	23.0	25.9	26.4	26.6	27.1	27.9
12H	4H	20.2	20.9	20.9	21.6	22.3	22.5	23.2	23.2	23.9	24.7
	6H	20.9	21.5	21.6	22.2	23.0	24.1	24.7	24.8	25.3	26.1
	8H	21.2	21.7	21.9	22.4	23.2	25.0	25.5	25.7	26.2	27.0

Maximum UGR = 27.9

POLAR GRAPH



Maximum Candela = 1299.414 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.)