

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-2-L42-827-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-2-L42-827-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	4000
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	31.4
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)	1.88 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	16994	15349	15395
55	14589	13084	13515
65	12094	11138	12045
75	9423	9635	11258
85	6198	9283	11895

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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	1294.678	1294.678	1294.678	1294.678	1294.678
0.5	1288.538	1293.450	1294.268	1293.859	1302.455
1.0	1288.538	1293.859	1293.859	1293.450	1302.045
1.5	1287.310	1293.859	1293.450	1293.040	1302.455
2.0	1286.900	1292.631	1293.450	1292.631	1301.227
2.5	1286.900	1292.631	1292.222	1292.222	1300.408
3.0	1285.673	1291.403	1291.403	1291.403	1299.589
3.5	1284.854	1290.175	1290.175	1290.584	1298.771
4.0	1284.035	1289.356	1289.356	1288.947	1297.952
4.5	1281.989	1288.128	1288.538	1288.128	1296.724
5.0	1280.761	1286.900	1286.900	1286.900	1295.496
5.5	1279.123	1285.263	1285.263	1285.673	1293.859
6.0	1278.305	1283.217	1283.626	1283.626	1292.222
6.5	1275.440	1281.579	1281.989	1281.989	1290.175
7.0	1273.802	1279.533	1279.942	1279.533	1288.538
7.5	1272.165	1277.077	1277.895	1277.895	1286.491
8.0	1270.118	1275.440	1275.440	1275.440	1283.626
8.5	1268.072	1272.574	1273.393	1273.393	1281.170
9.0	1264.797	1270.528	1270.937	1270.528	1278.305
9.5	1262.751	1267.662	1267.662	1267.662	1276.667
10.0	1259.476	1264.388	1264.388	1265.207	1273.393
10.5	1256.611	1261.523	1261.932	1261.932	1270.528
11.0	1253.746	1258.657	1259.067	1258.657	1267.253
11.5	1250.062	1255.383	1256.202	1255.383	1264.388
12.0	1246.787	1251.699	1252.518	1252.518	1260.704
12.5	1243.513	1248.015	1249.243	1248.424	1257.429
13.0	1239.829	1244.741	1245.559	1245.150	1253.746
13.5	1236.145	1240.647	1241.466	1241.466	1250.471
14.0	1231.642	1236.554	1237.373	1237.373	1245.969
14.5	1227.958	1232.461	1233.280	1233.280	1242.694
15.0	1224.275	1228.368	1228.777	1228.777	1237.782
15.5	1219.772	1223.456	1224.684	1224.684	1232.870
16.0	1214.860	1218.953	1220.181	1220.181	1228.777
16.5	1210.767	1214.042	1215.270	1215.679	1224.275
17.0	1205.037	1208.720	1210.358	1210.767	1219.363
17.5	1200.125	1203.809	1205.446	1205.855	1214.451
18.0	1195.622	1198.897	1200.125	1201.353	1209.948
18.5	1190.301	1193.985	1195.213	1196.032	1204.627
19.0	1184.980	1187.845	1189.892	1190.710	1198.897
19.5	1178.840	1182.933	1184.571	1186.208	1193.576
20.0	1172.291	1176.794	1178.840	1180.068	1187.845
20.5	1165.742	1171.472	1173.110	1174.747	1182.524
21.0	1160.421	1164.923	1166.151	1169.426	1176.794
21.5	1154.281	1158.783	1160.830	1162.467	1170.654
22.0	1147.732	1153.053	1155.100	1156.737	1165.333
22.5	1142.001	1145.685	1148.550	1151.006	1159.193
23.0	1135.043	1139.136	1142.001	1144.457	1152.644
23.5	1127.675	1132.178	1135.862	1138.318	1146.504
24.0	1120.307	1125.219	1128.903	1131.768	1139.955
24.5	1114.168	1118.261	1122.354	1124.810	1132.587
25.0	1107.209	1111.302	1115.805	1118.261	1126.038
25.5	1099.432	1104.344	1108.028	1111.712	1118.261
26.0	1092.064	1096.567	1101.479	1104.753	1112.121
26.5	1084.287	1088.790	1094.520	1097.386	1105.163

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**CANDELA TABULATION - (Cont.)**

27.0	1076.510	1080.603	1087.562	1091.246	1098.204
27.5	1067.505	1072.826	1079.785	1083.059	1091.246
28.0	1060.956	1065.049	1072.008	1075.692	1083.469
28.5	1052.360	1057.272	1064.231	1067.915	1075.692
29.0	1044.174	1049.086	1056.044	1060.547	1068.324
29.5	1035.578	1040.490	1047.858	1052.360	1060.137
30.0	1026.983	1032.304	1039.672	1045.402	1053.179
30.5	1017.978	1023.299	1031.894	1037.625	1044.993
31.0	1009.382	1014.703	1023.299	1029.439	1036.397
31.5	1000.377	1006.517	1015.112	1021.661	1029.029
32.0	991.781	997.102	1006.926	1013.066	1020.433
32.5	982.367	988.097	998.330	1004.879	1012.247
33.0	973.362	979.502	988.916	996.693	1004.061
33.5	964.766	970.497	980.729	987.688	995.465
34.0	954.533	961.082	971.724	979.502	987.688
34.5	945.119	952.077	963.129	970.497	978.683
35.0	936.523	942.253	954.533	962.310	970.087
35.5	925.471	933.248	945.119	953.305	961.082
36.0	916.876	923.425	936.114	944.300	952.486
36.5	906.233	913.601	926.699	935.704	944.300
37.0	896.410	904.187	917.285	926.290	935.704
37.5	886.177	893.954	908.280	918.104	926.290
38.0	875.944	884.130	898.456	908.689	916.466
38.5	865.301	873.897	889.042	900.094	907.461
39.0	855.887	863.664	879.218	890.679	900.094
39.5	845.245	854.250	869.804	881.265	890.270
40.0	833.784	843.607	859.980	872.669	880.856
40.5	823.141	833.374	850.566	863.664	871.851
41.0	813.318	823.141	840.742	854.250	862.436
41.5	802.676	812.909	830.919	844.835	853.431
42.0	792.033	802.676	821.095	835.830	844.426
42.5	781.800	792.033	810.862	826.416	835.012
43.0	770.339	781.800	801.448	817.411	826.007
43.5	760.516	771.158	791.215	807.997	817.002
44.0	749.464	760.516	780.982	798.992	807.587
44.5	739.231	750.283	770.749	789.168	798.173
45.0	728.589	739.640	760.925	780.572	789.577
45.5	717.946	729.407	751.101	771.567	780.572
46.0	707.304	718.765	740.459	761.744	771.158
46.5	696.662	708.123	731.454	753.557	762.153
47.0	685.610	697.890	721.221	743.734	753.148
47.5	674.968	687.247	710.988	734.319	743.734
48.0	664.735	676.605	700.755	725.723	734.319
48.5	653.274	666.372	691.341	715.900	725.314
49.0	643.041	655.321	680.698	706.485	715.900
49.5	632.399	645.088	670.875	697.480	706.895
50.0	621.347	634.445	661.051	687.657	697.480
50.5	611.114	624.212	650.818	679.470	688.885
51.0	600.472	613.570	641.813	670.056	679.880
51.5	590.239	602.928	631.580	661.051	670.875
52.0	579.187	592.695	621.756	651.637	661.870
52.5	568.545	582.052	612.342	642.222	653.274
53.0	557.493	571.819	602.518	634.036	643.860
53.5	546.851	561.586	593.104	624.622	635.264
54.0	536.618	551.353	583.690	615.617	626.668
54.5	526.794	540.711	574.275	607.430	618.072

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-2-L42-827-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

55.0	516.561	530.887	564.861	598.016	610.295
55.5	507.965	520.654	555.447	589.420	600.881
56.0	498.142	511.649	546.442	580.824	592.285
56.5	487.909	502.235	537.027	572.229	584.099
57.0	478.085	492.821	528.022	563.633	575.503
57.5	467.852	482.997	520.245	555.447	566.089
58.0	457.619	473.173	511.240	546.442	559.130
58.5	447.796	463.350	502.235	538.664	550.944
59.0	437.972	453.526	493.639	531.706	542.348
59.5	428.148	444.112	485.862	523.110	535.799
60.0	418.325	434.288	477.267	514.924	527.613
60.5	408.706	424.874	468.671	507.147	519.426
61.0	399.046	415.459	460.075	499.370	511.649
61.5	389.467	406.127	451.479	491.593	504.282
62.0	380.053	396.876	443.293	484.225	496.505
62.5	370.762	387.707	434.697	476.857	489.137
63.0	361.347	378.580	426.511	469.080	482.588
63.5	352.015	369.575	418.734	461.712	475.220
64.0	342.928	360.692	410.547	453.935	467.852
64.5	333.882	352.015	402.770	446.568	460.484
65.0	324.918	343.296	394.952	439.200	453.526
65.5	316.077	334.782	387.216	431.832	446.158
66.0	307.112	326.269	379.562	424.464	439.200
66.5	298.353	317.959	371.949	417.506	432.241
67.0	289.798	309.732	364.376	410.138	425.283
67.5	281.202	301.628	356.968	403.262	418.325
68.0	272.730	293.728	349.600	396.303	411.775
68.5	264.379	285.869	342.396	389.549	404.940
69.0	256.070	278.092	335.274	382.755	398.473
69.5	247.884	270.478	328.233	376.165	392.046
70.0	239.738	262.988	321.316	369.697	385.661
70.5	231.798	255.579	314.398	363.230	379.357
71.0	223.939	248.252	307.604	356.845	373.136
71.5	216.162	241.089	300.973	350.623	366.996
72.0	208.548	233.885	294.342	344.442	361.020
72.5	200.894	226.927	287.874	338.384	355.085
73.0	193.444	220.009	281.448	332.408	349.109
73.5	186.199	213.174	275.226	326.473	343.296
74.0	179.036	206.543	268.923	320.743	337.443
74.5	171.996	199.871	262.906	315.053	331.917
75.0	164.997	193.363	256.930	309.486	326.555
75.5	158.120	187.018	251.036	303.961	321.111
76.0	151.448	180.796	245.305	298.476	315.790
76.5	144.817	174.657	239.616	293.114	310.469
77.0	138.268	168.558	234.008	287.793	305.311
77.5	131.842	162.623	228.482	282.635	300.195
78.0	125.497	156.810	223.120	277.560	295.160
78.5	119.276	151.080	217.799	272.443	290.167
79.0	113.177	145.513	212.641	267.490	285.255
79.5	107.119	139.987	207.566	262.660	280.343
80.0	101.143	134.543	202.490	257.871	275.677
80.5	95.331	129.263	197.579	253.041	270.929
81.0	89.682	124.065	192.871	248.375	266.303
81.5	83.951	118.989	188.164	243.750	261.678
82.0	78.426	114.036	183.580	239.288	257.216
82.5	73.023	109.166	179.077	234.827	252.837

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-2-L42-827-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

83.0	67.701	104.417	174.657	230.529	248.580
83.5	62.421	99.792	170.441	226.149	244.159
84.0	57.264	95.290	166.347	222.015	239.943
84.5	52.147	90.951	162.336	217.922	235.809
85.0	47.235	86.735	158.407	213.869	231.675
85.5	42.324	82.723	154.559	209.940	227.664
86.0	37.494	78.876	150.793	206.092	223.693
86.5	32.705	75.274	147.232	202.245	219.723
87.0	27.997	71.795	143.630	198.602	215.834
87.5	23.290	68.561	140.233	194.918	212.109
88.0	18.624	65.409	136.876	191.357	208.344
88.5	13.917	62.462	133.643	187.837	204.701
89.0	9.619	59.679	130.573	184.439	201.099
89.5	6.099	57.100	127.585	181.165	197.579
90.0	3.643	54.808	124.842	178.054	194.345
90.5	2.579	52.802	122.305	174.943	190.907
91.0	2.742	50.960	119.726	171.791	187.632
91.5	3.275	49.200	117.147	168.803	184.357
92.0	3.889	47.727	114.691	165.774	181.165
92.5	4.543	46.458	112.604	162.868	178.013
93.0	5.198	45.353	110.434	160.126	174.984
93.5	5.894	44.493	108.388	157.424	172.119
94.0	6.631	43.756	106.464	154.886	169.335
94.5	7.327	43.224	104.663	152.308	166.470
95.0	8.023	42.815	102.985	149.770	163.728
95.5	8.678	42.528	101.429	147.355	161.026
96.0	9.210	42.405	100.079	145.022	158.366
96.5	9.742	42.405	98.728	142.853	155.910
97.0	10.233	42.446	97.500	140.765	153.454
97.5	10.765	42.610	96.354	138.759	151.203
98.0	11.215	42.774	95.331	136.795	148.910
98.5	11.747	42.979	94.471	134.912	146.782
99.0	12.280	43.224	93.570	133.152	144.694
99.5	12.853	43.511	92.793	131.473	142.648
100.0	13.344	43.797	92.179	129.918	140.806
100.5	13.917	44.125	91.565	128.404	138.923
101.0	14.408	44.452	91.115	126.971	137.245
101.5	14.899	44.780	90.664	125.620	135.526
102.0	15.349	45.107	90.337	124.351	134.011
102.5	15.800	45.434	90.009	123.164	132.497
103.0	16.250	45.803	89.764	121.977	131.146
103.5	16.741	46.171	89.559	120.954	129.754
104.0	17.273	46.499	89.354	120.012	128.485
104.5	17.805	46.867	89.232	119.112	127.298
105.0	18.297	47.235	89.109	118.293	126.152
105.5	18.747	47.563	88.986	117.434	125.170
106.0	19.279	47.972	88.945	116.697	124.188
106.5	19.770	48.341	88.945	116.001	123.205
107.0	20.261	48.750	88.945	115.346	122.387
107.5	20.712	49.077	88.945	114.855	121.527
108.0	21.285	49.487	88.945	114.282	120.667
108.5	21.817	49.896	88.986	113.873	120.094
109.0	22.349	50.224	89.068	113.341	119.521
109.5	22.922	50.592	89.109	112.972	118.907
110.0	23.495	50.960	89.191	112.563	118.416
110.5	24.068	51.329	89.273	112.194	117.966

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**CANDELA TABULATION - (Cont.)**

111.0	24.641	51.697	89.314	111.867	117.475
111.5	25.214	52.025	89.354	111.621	117.065
112.0	25.828	52.393	89.436	111.376	116.574
112.5	26.442	52.761	89.518	111.089	116.124
113.0	27.097	53.130	89.641	110.885	115.919
113.5	27.711	53.457	89.641	110.680	115.633
114.0	28.366	53.785	89.723	110.516	115.346
114.5	28.980	54.153	89.805	110.312	115.101
115.0	29.635	54.439	89.887	110.189	114.896
115.5	30.290	54.808	89.887	110.066	114.691
116.0	30.904	55.135	90.009	109.902	114.446
116.5	31.477	55.463	90.091	109.739	114.364
117.0	32.132	55.831	90.173	109.739	114.159
117.5	32.746	56.118	90.255	109.575	114.036
118.0	33.278	56.404	90.337	109.493	113.873
118.5	33.892	56.691	90.378	109.370	113.832
119.0	34.424	56.977	90.460	109.247	113.586
119.5	34.997	57.182	90.541	109.125	113.545
120.0	35.529	57.387	90.501	109.043	113.341
120.5	36.061	57.632	90.541	108.879	113.300
121.0	36.593	57.796	90.623	108.756	113.136
121.5	37.166	58.001	90.582	108.592	113.054
122.0	37.698	58.246	90.582	108.511	112.931
122.5	38.230	58.492	90.623	108.347	112.645
123.0	38.763	58.737	90.582	108.183	112.604
123.5	39.254	58.942	90.501	108.060	112.358
124.0	39.663	59.106	90.501	107.938	112.317
124.5	40.072	59.269	90.501	107.733	112.154
125.0	40.482	59.474	90.419	107.528	111.990
125.5	40.891	59.597	90.337	107.405	111.785
126.0	41.259	59.761	90.296	107.160	111.621
126.5	41.587	59.965	90.214	106.996	111.499
127.0	41.955	60.047	90.132	106.791	111.335
127.5	42.242	60.170	90.009	106.587	111.048
128.0	42.610	60.170	89.968	106.341	110.885
128.5	42.897	60.252	89.805	106.137	110.721
129.0	43.183	60.334	89.641	105.932	110.516
129.5	43.429	60.456	89.354	105.604	110.271
130.0	43.633	60.538	89.068	105.400	110.025
130.5	43.838	60.620	88.740	105.154	109.739
131.0	43.961	60.743	88.413	104.786	109.452
131.5	44.125	60.866	88.086	104.458	109.166
132.0	44.288	60.989	87.717	104.254	108.920
132.5	44.370	61.030	87.308	103.844	108.552
133.0	44.493	61.070	87.144	103.476	108.101
133.5	44.534	61.030	86.899	103.189	107.897
134.0	44.575	60.948	86.735	102.862	107.610
134.5	44.698	60.784	86.530	102.494	107.078
135.0	44.820	60.661	86.285	102.002	106.669
135.5	44.780	60.334	86.080	101.675	106.341
136.0	44.861	60.293	85.793	101.266	105.932
136.5	44.943	60.170	85.589	100.815	105.523
137.0	44.984	59.965	85.261	100.447	105.072
137.5	45.025	59.761	84.975	99.956	104.663
138.0	45.107	59.638	84.565	99.547	104.172
138.5	45.107	59.474	84.033	99.096	103.803

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-2-L42-827-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

139.0	45.066	59.351	83.419	98.564	103.230
139.5	45.066	59.188	82.683	97.991	102.821
140.0	45.066	58.983	81.864	97.459	102.248
140.5	45.066	58.860	81.127	96.804	101.634
141.0	45.066	58.778	80.308	96.108	101.143
141.5	45.066	58.615	79.490	95.494	100.652
142.0	45.025	58.533	78.712	94.717	100.120
142.5	44.984	58.410	77.893	94.021	99.506
143.0	44.943	58.287	77.116	93.366	98.892
143.5	44.943	58.123	76.215	92.670	98.319
144.0	44.943	57.919	75.438	92.138	97.664
144.5	45.066	57.755	74.660	91.524	97.091
145.0	45.230	57.591	73.800	90.992	96.436
145.5	45.516	57.387	73.023	90.460	95.781
146.0	45.885	57.223	72.286	89.887	95.167
146.5	46.253	57.059	71.672	89.273	94.471
147.0	46.621	56.854	70.976	88.659	93.775
147.5	46.949	56.773	70.444	88.045	93.079
148.0	47.317	56.609	69.871	87.349	92.342
148.5	47.645	56.568	69.421	86.694	91.606
149.0	48.054	56.568	68.929	86.039	90.951
149.5	48.341	56.691	68.479	85.343	90.132
150.0	48.668	56.773	68.029	84.688	89.273
150.5	48.955	56.814	67.538	83.951	88.372
151.0	49.159	56.936	66.883	83.215	87.308
151.5	49.364	56.977	66.187	82.437	86.325
152.0	49.610	57.059	65.532	81.618	85.343
152.5	49.855	57.141	64.918	80.759	84.279
153.0	50.019	57.182	64.263	79.776	83.419
153.5	50.224	57.305	63.567	78.753	82.437
154.0	50.387	57.264	62.953	77.607	81.618
154.5	50.592	57.305	62.421	76.502	80.800
155.0	50.674	57.387	61.889	75.233	80.186
155.5	50.837	57.428	61.357	74.046	79.531
156.0	50.960	57.428	60.989	72.777	78.958
156.5	51.165	57.428	60.620	71.508	78.221
157.0	51.247	57.509	60.252	70.362	77.525
157.5	51.370	57.509	60.006	69.257	76.747
158.0	51.533	57.468	59.883	68.111	76.011
158.5	51.574	57.468	59.720	67.169	75.151
159.0	51.779	57.346	59.597	66.269	74.414
159.5	51.943	57.264	59.392	65.409	73.596
160.0	52.147	57.182	59.188	64.713	72.777
160.5	52.393	57.141	59.024	64.059	71.999
161.0	52.557	57.018	58.983	63.363	71.222
161.5	52.802	56.977	58.901	62.667	70.649
162.0	53.007	56.895	59.024	62.094	70.157
162.5	53.212	56.895	59.106	61.480	69.584
163.0	53.457	56.854	59.147	60.825	69.093
163.5	53.662	56.854	59.229	60.129	68.479
164.0	53.744	56.854	59.310	59.269	67.906
164.5	53.866	56.773	59.229	58.615	67.169
165.0	53.989	56.773	59.106	57.960	66.433
165.5	54.112	56.732	58.983	57.509	65.655
166.0	54.235	56.691	58.901	57.018	64.468
166.5	54.358	56.691	58.778	56.609	63.895

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-2-L42-827-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

167.0	54.521	56.691	58.655	56.240	63.445
167.5	54.603	56.691	58.410	55.913	62.994
168.0	54.726	56.691	58.205	55.586	62.626
168.5	54.972	56.527	57.919	55.299	62.176
169.0	55.094	56.568	57.714	55.013	61.725
169.5	55.299	56.445	57.387	54.685	61.234
170.0	55.381	56.404	57.100	54.276	60.784
170.5	55.504	56.322	56.732	53.826	60.293
171.0	55.586	56.240	56.322	53.334	59.679
171.5	55.708	56.240	55.954	52.884	59.188
172.0	55.913	56.159	55.749	52.434	58.451
172.5	56.036	56.159	55.504	51.943	57.632
173.0	56.200	56.077	55.299	51.492	56.240
173.5	56.404	56.118	55.217	51.042	54.153
174.0	56.568	56.118	55.176	50.674	51.574
174.5	56.691	56.118	55.094	50.305	48.504
175.0	56.936	56.240	55.053	50.019	45.025
175.5	57.018	56.281	55.013	49.896	41.382
176.0	57.182	56.363	55.013	49.773	39.008
176.5	57.223	56.404	54.972	49.773	37.330
177.0	57.387	56.486	54.890	49.650	35.611
177.5	57.428	56.486	54.767	49.610	35.242
178.0	57.591	56.568	54.726	49.569	35.324
178.5	57.673	56.609	54.767	49.487	35.406
179.0	57.755	56.609	54.726	49.364	35.447
179.5	57.837	56.609	54.685	49.323	35.488
180.0	51.861	51.861	51.861	51.861	51.861



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-2-L42-827-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	468.62	N.A.	11.70
0-30	981.92	N.A.	24.50
0-40	1577.31	N.A.	39.40
0-60	2669.4	N.A.	66.70
0-80	3325.59	N.A.	83.10
0-90	3490.62	N.A.	87.30
10-90	3368.45	N.A.	84.20
20-40	1108.69	N.A.	27.70
20-50	1695.01	N.A.	42.40
40-70	1481.1	N.A.	37.00
60-80	656.19	N.A.	16.40
70-80	267.18	N.A.	6.70
80-90	165.03	N.A.	4.10
90-110	192.76	N.A.	4.80
90-120	273.91	N.A.	6.80
90-130	348.59	N.A.	8.70
90-150	457.64	N.A.	11.40
90-180	509.77	N.A.	12.70
110-180	317.01	N.A.	7.90
0-180	4000.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	122.17
10-20	346.45
20-30	513.30
30-40	595.40
40-50	586.32
50-60	505.76
60-70	389.02
70-80	267.18
80-90	165.03
90-100	105.74
100-110	87.02
110-120	81.15
120-130	74.69
130-140	62.76
140-150	46.28
150-160	30.26
160-170	16.67
170-180	5.19

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-2-L42-827-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	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-2-L42-827-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

X=2H	Y=2H	18.9	20.3	19.5	20.9	21.5	20.5	21.9	21.1	22.5	23.1
	3H	20.3	21.5	20.9	22.1	22.8	22.7	23.9	23.3	24.5	25.2
	4H	20.7	21.9	21.3	22.5	23.2	23.7	24.9	24.3	25.5	26.2
	6H	21.0	22.1	21.6	22.7	23.4	24.8	25.9	25.4	26.5	27.2
	8H	21.1	22.2	21.7	22.8	23.5	25.4	26.4	26.0	27.1	27.7
	12H	21.2	22.1	21.8	22.8	23.5	26.0	27.0	26.6	27.6	28.3

UGR Viewed Endwise

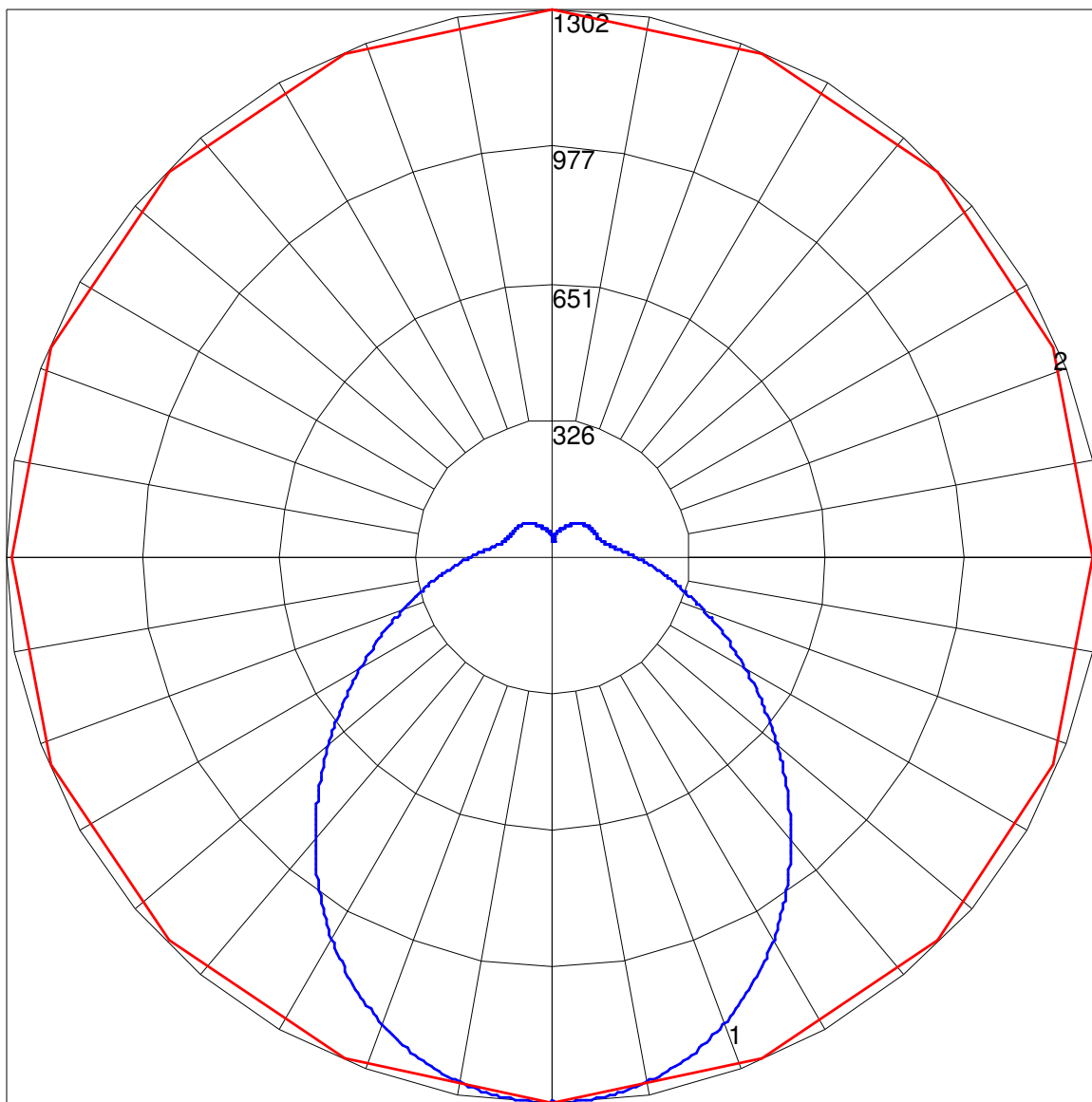
4H	2H	19.7	20.8	20.3	21.4	22.1	20.9	22.1	21.5	22.7	23.4
	3H	21.3	22.3	21.9	22.9	23.6	23.4	24.3	24.0	25.0	25.7
	4H	21.8	22.7	22.5	23.4	24.1	24.6	25.5	25.2	26.1	26.8
	6H	22.2	23.0	22.9	23.7	24.4	25.9	26.6	26.5	27.3	28.0
	8H	22.4	23.1	23.0	23.8	24.5	26.5	27.3	27.2	27.9	28.7
	12H	22.4	23.1	23.1	23.8	24.5	27.3	27.9	27.9	28.6	29.4

8H	4H	22.4	23.1	23.0	23.8	24.5	24.8	25.5	25.4	26.2	26.9
	6H	23.0	23.6	23.6	24.3	25.0	26.2	26.9	26.9	27.6	28.3
	8H	23.2	23.7	23.9	24.4	25.2	27.0	27.6	27.7	28.3	29.1
	12H	23.3	23.8	24.0	24.5	25.3	28.0	28.5	28.7	29.2	30.0

12H	4H	22.5	23.2	23.2	23.9	24.6	24.8	25.4	25.4	26.1	26.9
	6H	23.2	23.8	23.9	24.5	25.3	26.3	26.8	27.0	27.5	28.3
	8H	23.5	24.0	24.2	24.7	25.5	27.2	27.7	27.9	28.3	29.2

Maximum UGR = 30.0

POLAR GRAPH



Maximum Candela = 1302.455 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.)