

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-2-L42-830-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-2-L42-830-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	4099
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	178
Total Luminaire Watts	23
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	17412	15726	15773
55	14948	13405	13847
65	12391	11412	12341
75	9655	9872	11535
85	6351	9511	12187

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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	1326.499	1326.499	1326.499	1326.499	1326.499
0.5	1320.208	1325.240	1326.079	1325.660	1334.467
1.0	1320.208	1325.660	1325.660	1325.240	1334.047
1.5	1318.950	1325.660	1325.240	1324.821	1334.467
2.0	1318.530	1324.402	1325.240	1324.402	1333.209
2.5	1318.530	1324.402	1323.982	1323.982	1332.370
3.0	1317.272	1323.144	1323.144	1323.144	1331.531
3.5	1316.433	1321.885	1321.885	1322.305	1330.692
4.0	1315.595	1321.047	1321.047	1320.627	1329.854
4.5	1313.498	1319.789	1320.208	1319.789	1328.595
5.0	1312.240	1318.530	1318.530	1318.530	1327.337
5.5	1310.562	1316.853	1316.853	1317.272	1325.660
6.0	1309.723	1314.756	1315.175	1315.175	1323.982
6.5	1306.788	1313.078	1313.498	1313.498	1321.885
7.0	1305.110	1310.982	1311.401	1310.982	1320.208
7.5	1303.433	1308.465	1309.304	1309.304	1318.111
8.0	1301.336	1306.788	1306.788	1306.788	1315.175
8.5	1299.239	1303.852	1304.691	1304.691	1312.659
9.0	1295.884	1301.755	1302.175	1301.755	1309.723
9.5	1293.787	1298.820	1298.820	1298.820	1308.046
10.0	1290.432	1295.464	1295.464	1296.303	1304.691
10.5	1287.496	1292.529	1292.948	1292.948	1301.755
11.0	1284.561	1289.593	1290.013	1289.593	1298.400
11.5	1280.786	1286.238	1287.077	1286.238	1295.464
12.0	1277.431	1282.464	1283.302	1283.302	1291.690
12.5	1274.076	1278.689	1279.947	1279.109	1288.335
13.0	1270.302	1275.334	1276.173	1275.754	1284.561
13.5	1266.527	1271.140	1271.979	1271.979	1281.206
14.0	1261.914	1266.947	1267.785	1267.785	1276.592
14.5	1258.140	1262.753	1263.592	1263.592	1273.237
15.0	1254.365	1258.559	1258.978	1258.978	1268.205
15.5	1249.752	1253.526	1254.785	1254.785	1263.172
16.0	1244.720	1248.913	1250.171	1250.171	1258.978
16.5	1240.526	1243.881	1245.139	1245.558	1254.365
17.0	1234.654	1238.429	1240.106	1240.526	1249.333
17.5	1229.622	1233.396	1235.074	1235.493	1244.300
18.0	1225.009	1228.364	1229.622	1230.880	1239.687
18.5	1219.557	1223.331	1224.589	1225.428	1234.235
19.0	1214.105	1217.040	1219.137	1219.976	1228.364
19.5	1207.814	1212.008	1213.685	1215.363	1222.912
20.0	1201.104	1205.717	1207.814	1209.072	1217.040
20.5	1194.394	1200.265	1201.943	1203.620	1211.589
21.0	1188.942	1193.555	1194.813	1198.168	1205.717
21.5	1182.651	1187.264	1189.361	1191.039	1199.426
22.0	1175.941	1181.393	1183.490	1185.168	1193.975
22.5	1170.070	1173.844	1176.780	1179.296	1187.684
23.0	1162.940	1167.134	1170.070	1172.586	1180.974
23.5	1155.392	1160.005	1163.779	1166.295	1174.683
24.0	1147.843	1152.875	1156.650	1159.585	1167.973
24.5	1141.552	1145.746	1149.940	1152.456	1160.424
25.0	1134.423	1138.616	1143.230	1145.746	1153.714
25.5	1126.454	1131.487	1135.261	1139.036	1145.746
26.0	1118.906	1123.519	1128.551	1131.906	1139.455
26.5	1110.937	1115.551	1121.422	1124.357	1132.326

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CANDELA TABULATION - (Cont.)

27.0	1102.969	1107.163	1114.292	1118.067	1125.196
27.5	1093.743	1099.195	1106.324	1109.679	1118.067
28.0	1087.033	1091.226	1098.356	1102.130	1110.099
28.5	1078.226	1083.258	1090.388	1094.162	1102.130
29.0	1069.838	1074.871	1082.000	1086.613	1094.582
29.5	1061.031	1066.064	1073.613	1078.226	1086.194
30.0	1052.224	1057.676	1065.225	1071.096	1079.064
30.5	1042.998	1048.450	1057.257	1063.128	1070.677
31.0	1034.191	1039.643	1048.450	1054.740	1061.870
31.5	1024.964	1031.255	1040.062	1046.772	1054.321
32.0	1016.157	1021.609	1031.675	1037.965	1045.514
32.5	1006.512	1012.383	1022.868	1029.578	1037.126
33.0	997.285	1003.576	1013.222	1021.190	1028.739
33.5	988.478	994.350	1004.834	1011.964	1019.932
34.0	977.994	984.704	995.608	1003.576	1011.964
34.5	968.348	975.478	986.801	994.350	1002.737
35.0	959.541	965.413	977.994	985.962	993.930
35.5	948.218	956.186	968.348	976.736	984.704
36.0	939.411	946.121	959.122	967.509	975.897
36.5	928.507	936.056	949.476	958.702	967.509
37.0	918.442	926.410	939.830	949.057	958.702
37.5	907.957	915.926	930.604	940.669	949.057
38.0	897.473	905.861	920.539	931.023	938.992
38.5	886.569	895.376	910.893	922.216	929.765
39.0	876.923	884.892	900.828	912.571	922.216
39.5	866.019	875.246	891.182	902.925	912.151
40.0	854.277	864.342	881.117	894.118	902.506
40.5	843.373	853.857	871.471	884.892	893.279
41.0	833.308	843.373	861.406	875.246	883.633
41.5	822.404	832.888	851.341	865.600	874.407
42.0	811.500	822.404	841.276	856.374	865.181
42.5	801.016	811.500	830.792	846.728	855.535
43.0	789.273	801.016	821.146	837.502	846.309
43.5	779.208	790.112	810.661	827.856	837.082
44.0	767.885	779.208	800.177	818.630	827.437
44.5	757.400	768.723	789.692	808.564	817.791
45.0	746.496	757.819	779.627	799.757	808.984
45.5	735.592	747.335	769.562	790.531	799.757
46.0	724.688	736.431	758.658	780.466	790.112
46.5	713.785	725.527	749.432	772.078	780.885
47.0	702.461	715.043	738.947	762.013	771.659
47.5	691.557	704.139	728.463	752.368	762.013
48.0	681.073	693.235	717.978	743.561	752.368
48.5	669.330	682.750	708.333	733.495	743.141
49.0	658.846	671.427	697.429	723.850	733.495
49.5	647.942	660.943	687.364	714.623	724.269
50.0	636.619	650.039	677.299	704.558	714.623
50.5	626.134	639.554	666.814	696.171	705.816
51.0	615.230	628.650	657.588	686.525	696.590
51.5	604.746	617.747	647.103	677.299	687.364
52.0	593.423	607.262	637.038	667.653	678.137
52.5	582.519	596.358	627.392	658.007	669.330
53.0	571.195	585.874	617.327	649.619	659.685
53.5	560.292	575.389	607.681	639.974	650.878
54.0	549.807	564.905	598.036	630.747	642.071
54.5	539.742	554.001	588.390	622.360	633.264

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55.0	529.257	543.936	578.744	612.714	625.295
55.5	520.450	533.451	569.099	603.907	615.650
56.0	510.385	524.225	559.872	595.100	606.843
56.5	499.901	514.579	550.226	586.293	598.455
57.0	489.836	504.933	541.000	577.486	589.648
57.5	479.351	494.868	533.032	569.099	580.002
58.0	468.867	484.803	523.805	559.872	572.873
58.5	458.802	474.738	514.579	551.904	564.485
59.0	448.736	464.673	505.772	544.774	555.678
59.5	438.671	455.027	497.804	535.967	548.968
60.0	428.606	444.962	488.997	527.580	540.581
60.5	418.751	435.316	480.190	519.612	532.193
61.0	408.853	425.671	471.383	511.643	524.225
61.5	399.040	416.109	462.576	503.675	516.676
62.0	389.394	406.631	454.188	496.126	508.708
62.5	379.874	397.237	445.381	488.578	501.159
63.0	370.229	387.884	436.994	480.609	494.449
63.5	360.667	378.658	429.026	473.061	486.900
64.0	351.356	369.558	420.638	465.092	479.351
64.5	342.088	360.667	412.670	457.543	471.802
65.0	332.904	351.734	404.660	449.995	464.673
65.5	323.845	343.011	396.733	442.446	457.124
66.0	314.661	334.288	388.891	434.897	449.995
66.5	305.686	325.774	381.091	427.767	442.865
67.0	296.921	317.345	373.332	420.219	435.736
67.5	288.114	309.041	365.741	413.173	428.606
68.0	279.433	300.947	358.192	406.044	421.896
68.5	270.877	292.895	350.811	399.124	414.893
69.0	262.364	284.927	343.514	392.162	408.266
69.5	253.976	277.126	336.301	385.410	401.682
70.0	245.631	269.452	329.213	378.784	395.140
70.5	237.495	261.861	322.126	372.158	388.681
71.0	229.443	254.354	315.164	365.615	382.307
71.5	221.475	247.015	308.370	359.241	376.016
72.0	213.674	239.634	301.576	352.908	369.893
72.5	205.832	232.504	294.950	346.701	363.812
73.0	198.199	225.417	288.366	340.578	357.689
73.5	190.776	218.413	281.991	334.497	351.734
74.0	183.437	211.619	275.533	328.626	345.737
74.5	176.223	204.783	269.368	322.797	340.075
75.0	169.052	198.115	263.245	317.093	334.581
75.5	162.006	191.615	257.206	311.432	329.004
76.0	155.171	185.240	251.334	305.812	323.552
76.5	148.377	178.949	245.505	300.318	318.100
77.0	141.667	172.701	239.759	294.866	312.815
77.5	135.082	166.620	234.098	289.582	307.573
78.0	128.582	160.664	228.604	284.382	302.415
78.5	122.207	154.793	223.152	279.139	297.298
79.0	115.959	149.090	217.868	274.065	292.266
79.5	109.752	143.428	212.668	269.116	287.233
80.0	103.629	137.850	207.467	264.209	282.452
80.5	97.674	132.440	202.435	259.261	277.588
81.0	91.886	127.114	197.612	254.480	272.849
81.5	86.015	121.914	192.789	249.741	268.110
82.0	80.353	116.839	188.092	245.169	263.538
82.5	74.817	111.849	183.479	240.598	259.051

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83.0	69.365	106.984	178.949	236.195	254.689
83.5	63.955	102.245	174.630	231.707	250.160
84.0	58.671	97.632	170.436	227.472	245.840
84.5	53.429	93.186	166.326	223.278	241.605
85.0	48.396	88.867	162.300	219.126	237.369
85.5	43.364	84.757	158.358	215.100	233.259
86.0	38.415	80.815	154.500	211.158	229.191
86.5	33.508	77.124	150.851	207.216	225.123
87.0	28.686	73.559	147.160	203.483	221.139
87.5	23.863	70.246	143.680	199.709	217.323
88.0	19.082	67.017	140.241	196.060	213.464
88.5	14.259	63.997	136.928	192.453	209.732
89.0	9.855	61.146	133.782	188.973	206.041
89.5	6.249	58.503	130.721	185.618	202.435
90.0	3.732	56.155	127.911	182.430	199.122
90.5	2.642	54.100	125.311	179.243	195.599
91.0	2.810	52.213	122.669	176.014	192.244
91.5	3.355	50.409	120.027	172.952	188.889
92.0	3.984	48.900	117.510	169.849	185.618
92.5	4.655	47.600	115.371	166.871	182.388
93.0	5.326	46.467	113.149	164.061	179.285
93.5	6.039	45.587	111.052	161.294	176.349
94.0	6.794	44.832	109.081	158.693	173.497
94.5	7.507	44.287	107.235	156.051	170.562
95.0	8.220	43.867	105.516	153.451	167.752
95.5	8.891	43.574	103.922	150.977	164.984
96.0	9.436	43.448	102.538	148.586	162.258
96.5	9.981	43.448	101.154	146.364	159.742
97.0	10.484	43.490	99.896	144.225	157.226
97.5	11.030	43.657	98.722	142.170	154.919
98.0	11.491	43.825	97.674	140.157	152.570
98.5	12.036	44.035	96.793	138.228	150.390
99.0	12.581	44.287	95.870	136.424	148.251
99.5	13.169	44.580	95.073	134.705	146.154
100.0	13.672	44.874	94.444	133.111	144.267
100.5	14.259	45.209	93.815	131.559	142.338
101.0	14.762	45.545	93.354	130.092	140.618
101.5	15.265	45.880	92.893	128.708	138.857
102.0	15.727	46.216	92.557	127.408	137.305
102.5	16.188	46.551	92.222	126.191	135.753
103.0	16.649	46.929	91.970	124.975	134.369
103.5	17.153	47.306	91.760	123.927	132.943
104.0	17.698	47.642	91.551	122.962	131.643
104.5	18.243	48.019	91.425	122.040	130.427
105.0	18.746	48.396	91.299	121.201	129.253
105.5	19.208	48.732	91.173	120.320	128.246
106.0	19.753	49.151	91.131	119.565	127.240
106.5	20.256	49.529	91.131	118.852	126.233
107.0	20.759	49.948	91.131	118.181	125.395
107.5	21.221	50.284	91.131	117.678	124.514
108.0	21.808	50.703	91.131	117.091	123.633
108.5	22.353	51.122	91.173	116.671	123.046
109.0	22.898	51.458	91.257	116.126	122.459
109.5	23.485	51.835	91.299	115.749	121.830
110.0	24.072	52.213	91.383	115.329	121.327
110.5	24.660	52.590	91.467	114.952	120.865

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CANDELA TABULATION - (Cont.)

111.0	25.247	52.968	91.509	114.617	120.362
111.5	25.834	53.303	91.551	114.365	119.943
112.0	26.463	53.681	91.635	114.113	119.439
112.5	27.092	54.058	91.718	113.820	118.978
113.0	27.763	54.436	91.844	113.610	118.768
113.5	28.392	54.771	91.844	113.400	118.475
114.0	29.063	55.107	91.928	113.233	118.181
114.5	29.692	55.484	92.012	113.023	117.930
115.0	30.363	55.778	92.096	112.897	117.720
115.5	31.034	56.155	92.096	112.771	117.510
116.0	31.663	56.490	92.222	112.604	117.259
116.5	32.250	56.826	92.306	112.436	117.175
117.0	32.921	57.203	92.389	112.436	116.965
117.5	33.550	57.497	92.473	112.268	116.839
118.0	34.096	57.791	92.557	112.184	116.671
118.5	34.725	58.084	92.599	112.058	116.630
119.0	35.270	58.378	92.683	111.932	116.378
119.5	35.857	58.587	92.767	111.807	116.336
120.0	36.402	58.797	92.725	111.723	116.126
120.5	36.947	59.049	92.767	111.555	116.084
121.0	37.493	59.216	92.851	111.429	115.917
121.5	38.080	59.426	92.809	111.261	115.833
122.0	38.625	59.678	92.809	111.178	115.707
122.5	39.170	59.929	92.851	111.010	115.413
123.0	39.715	60.181	92.809	110.842	115.371
123.5	40.219	60.391	92.725	110.716	115.120
124.0	40.638	60.558	92.725	110.590	115.078
124.5	41.057	60.726	92.725	110.381	114.910
125.0	41.477	60.936	92.641	110.171	114.742
125.5	41.896	61.062	92.557	110.045	114.533
126.0	42.273	61.229	92.515	109.794	114.365
126.5	42.609	61.439	92.431	109.626	114.239
127.0	42.986	61.523	92.347	109.416	114.071
127.5	43.280	61.649	92.222	109.207	113.778
128.0	43.657	61.649	92.180	108.955	113.610
128.5	43.951	61.733	92.012	108.745	113.442
129.0	44.245	61.817	91.844	108.536	113.233
129.5	44.496	61.942	91.551	108.200	112.981
130.0	44.706	62.026	91.257	107.990	112.729
130.5	44.916	62.110	90.922	107.739	112.436
131.0	45.041	62.236	90.586	107.361	112.142
131.5	45.209	62.362	90.251	107.026	111.849
132.0	45.377	62.488	89.873	106.816	111.597
132.5	45.461	62.530	89.454	106.397	111.220
133.0	45.587	62.571	89.286	106.019	110.758
133.5	45.629	62.530	89.034	105.726	110.549
134.0	45.670	62.446	88.867	105.390	110.255
134.5	45.796	62.278	88.657	105.013	109.710
135.0	45.922	62.152	88.405	104.509	109.290
135.5	45.880	61.817	88.196	104.174	108.955
136.0	45.964	61.775	87.902	103.755	108.536
136.5	46.048	61.649	87.692	103.293	108.116
137.0	46.090	61.439	87.357	102.916	107.655
137.5	46.132	61.229	87.063	102.413	107.235
138.0	46.216	61.104	86.644	101.993	106.732
138.5	46.216	60.936	86.099	101.532	106.355

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-2-L42-830-HE-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

139.0	46.174	60.810	85.470	100.987	105.768
139.5	46.174	60.642	84.715	100.400	105.348
140.0	46.174	60.433	83.876	99.854	104.761
140.5	46.174	60.307	83.121	99.183	104.132
141.0	46.174	60.223	82.282	98.470	103.629
141.5	46.174	60.055	81.444	97.841	103.126
142.0	46.132	59.971	80.647	97.045	102.580
142.5	46.090	59.846	79.808	96.332	101.951
143.0	46.048	59.720	79.011	95.661	101.322
143.5	46.048	59.552	78.089	94.948	100.735
144.0	46.048	59.342	77.292	94.402	100.064
144.5	46.174	59.175	76.495	93.773	99.477
145.0	46.341	59.007	75.614	93.228	98.806
145.5	46.635	58.797	74.817	92.683	98.135
146.0	47.012	58.629	74.062	92.096	97.506
146.5	47.390	58.462	73.433	91.467	96.793
147.0	47.767	58.252	72.720	90.838	96.080
147.5	48.103	58.168	72.175	90.209	95.367
148.0	48.480	58.000	71.588	89.496	94.612
148.5	48.816	57.958	71.127	88.825	93.857
149.0	49.235	57.958	70.624	88.154	93.186
149.5	49.529	58.084	70.162	87.441	92.347
150.0	49.864	58.168	69.701	86.770	91.467
150.5	50.158	58.210	69.198	86.015	90.544
151.0	50.368	58.336	68.527	85.260	89.454
151.5	50.577	58.378	67.814	84.463	88.447
152.0	50.829	58.462	67.143	83.624	87.441
152.5	51.080	58.545	66.514	82.744	86.350
153.0	51.248	58.587	65.843	81.737	85.470
153.5	51.458	58.713	65.130	80.689	84.463
154.0	51.626	58.671	64.501	79.514	83.624
154.5	51.835	58.713	63.955	78.382	82.786
155.0	51.919	58.797	63.410	77.082	82.157
155.5	52.087	58.839	62.865	75.866	81.486
156.0	52.213	58.839	62.488	74.566	80.898
156.5	52.422	58.839	62.110	73.266	80.143
157.0	52.506	58.923	61.733	72.091	79.431
157.5	52.632	58.923	61.481	70.959	78.634
158.0	52.800	58.881	61.355	69.785	77.879
158.5	52.842	58.881	61.188	68.820	76.998
159.0	53.052	58.755	61.062	67.898	76.243
159.5	53.219	58.671	60.852	67.017	75.405
160.0	53.429	58.587	60.642	66.304	74.566
160.5	53.681	58.545	60.475	65.633	73.769
161.0	53.848	58.420	60.433	64.920	72.972
161.5	54.100	58.378	60.349	64.207	72.385
162.0	54.310	58.294	60.475	63.620	71.882
162.5	54.519	58.294	60.558	62.991	71.295
163.0	54.771	58.252	60.600	62.320	70.791
163.5	54.981	58.252	60.684	61.607	70.162
164.0	55.065	58.252	60.768	60.726	69.575
164.5	55.190	58.168	60.684	60.055	68.820
165.0	55.316	58.168	60.558	59.384	68.065
165.5	55.442	58.126	60.433	58.923	67.269
166.0	55.568	58.084	60.349	58.420	66.052
166.5	55.694	58.084	60.223	58.000	65.465

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	55.861	58.084	60.097	57.623	65.004
167.5	55.945	58.084	59.846	57.287	64.543
168.0	56.071	58.084	59.636	56.952	64.165
168.5	56.323	57.916	59.342	56.658	63.704
169.0	56.449	57.958	59.133	56.365	63.242
169.5	56.658	57.832	58.797	56.029	62.739
170.0	56.742	57.791	58.503	55.610	62.278
170.5	56.868	57.707	58.126	55.148	61.775
171.0	56.952	57.623	57.707	54.645	61.146
171.5	57.078	57.623	57.329	54.184	60.642
172.0	57.287	57.539	57.120	53.723	59.887
172.5	57.413	57.539	56.868	53.219	59.049
173.0	57.581	57.455	56.658	52.758	57.623
173.5	57.791	57.497	56.574	52.297	55.484
174.0	57.958	57.497	56.532	51.919	52.842
174.5	58.084	57.497	56.449	51.542	49.697
175.0	58.336	57.623	56.407	51.248	46.132
175.5	58.420	57.665	56.365	51.122	42.399
176.0	58.587	57.749	56.365	50.997	39.967
176.5	58.629	57.791	56.323	50.997	38.247
177.0	58.797	57.874	56.239	50.871	36.486
177.5	58.839	57.874	56.113	50.829	36.109
178.0	59.007	57.958	56.071	50.787	36.192
178.5	59.091	58.000	56.113	50.703	36.276
179.0	59.175	58.000	56.071	50.577	36.318
179.5	59.258	58.000	56.029	50.535	36.360
180.0	53.135	53.135	53.135	53.135	53.135

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-2-L42-830-HE-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	480.14	N.A.	11.70
0-30	1006.05	N.A.	24.50
0-40	1616.08	N.A.	39.40
0-60	2735.00	N.A.	66.70
0-80	3407.33	N.A.	83.10
0-90	3576.42	N.A.	87.30
10-90	3451.24	N.A.	84.20
20-40	1135.94	N.A.	27.70
20-50	1736.67	N.A.	42.40
40-70	1517.5	N.A.	37.00
60-80	672.32	N.A.	16.40
70-80	273.75	N.A.	6.70
80-90	169.09	N.A.	4.10
90-110	197.50	N.A.	4.80
90-120	280.64	N.A.	6.80
90-130	357.16	N.A.	8.70
90-150	468.89	N.A.	11.40
90-180	522.30	N.A.	12.70
110-180	324.80	N.A.	7.90
0-180	4098.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	125.17
10-20	354.96
20-30	525.91
30-40	610.03
40-50	600.73
50-60	518.20
60-70	398.58
70-80	273.75
80-90	169.09
90-100	108.34
100-110	89.16
110-120	83.14
120-130	76.52
130-140	64.30
140-150	47.42
150-160	31.01
160-170	17.08
170-180	5.32

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-2-L42-830-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	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-2-L42-830-HE-DIM-UNV_.IES

UGR TABLE - CORRECTED

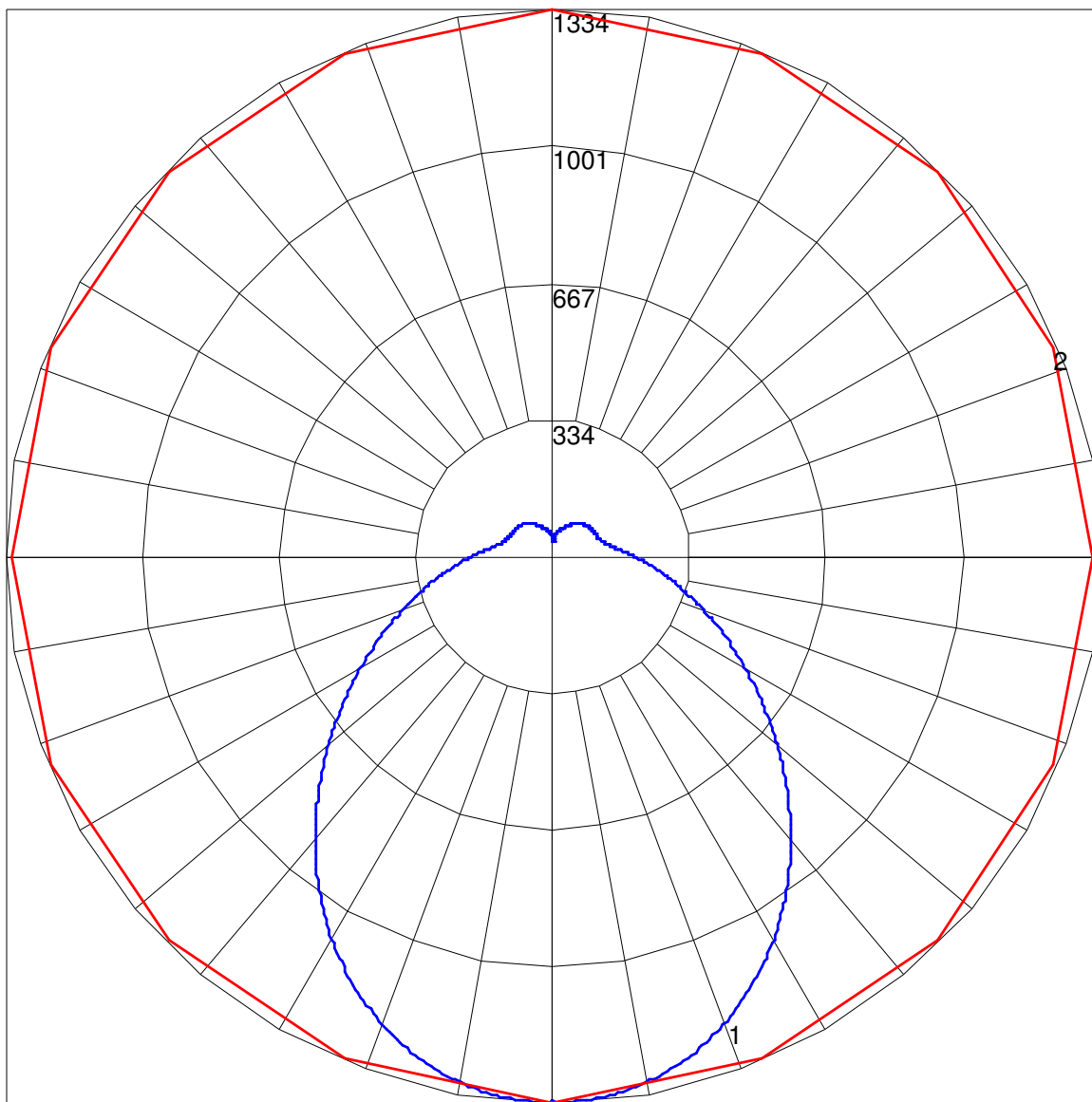
Reflectances

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	19.0	20.4	19.6	21.0	21.6	20.6	22.0	21.2	22.6	23.2
	3H	20.4	21.6	21.0	22.2	22.9	22.8	24.0	23.4	24.6	25.3
	4H	20.8	22.0	21.4	22.6	23.3	23.8	25.0	24.4	25.6	26.3
	6H	21.1	22.2	21.7	22.8	23.5	24.9	26.0	25.5	26.6	27.3
	8H	21.2	22.3	21.8	22.9	23.6	25.5	26.5	26.1	27.1	27.8
	12H	21.3	22.2	21.9	22.9	23.6	26.1	27.1	26.7	27.7	28.4
4H	2H	19.8	20.9	20.4	21.5	22.2	21.0	22.2	21.6	22.8	23.5
	3H	21.4	22.4	22.0	23.0	23.7	23.4	24.4	24.1	25.1	25.8
	4H	21.9	22.8	22.6	23.5	24.2	24.7	25.6	25.3	26.2	26.9
	6H	22.3	23.1	23.0	23.8	24.5	26.0	26.7	26.6	27.4	28.1
	8H	22.5	23.2	23.1	23.9	24.6	26.6	27.4	27.3	28.0	28.8
	12H	22.5	23.2	23.2	23.9	24.6	27.4	28.0	28.0	28.7	29.5
8H	4H	22.5	23.2	23.1	23.9	24.6	24.9	25.6	25.5	26.3	27.0
	6H	23.1	23.7	23.7	24.4	25.1	26.3	27.0	27.0	27.7	28.4
	8H	23.3	23.8	24.0	24.5	25.3	27.1	27.7	27.8	28.4	29.2
	12H	23.4	23.9	24.1	24.6	25.4	28.1	28.6	28.8	29.3	30.1
12H	4H	22.6	23.3	23.3	24.0	24.7	24.9	25.5	25.5	26.2	27.0
	6H	23.3	23.9	24.0	24.6	25.4	26.4	26.9	27.1	27.6	28.4
	8H	23.6	24.1	24.3	24.8	25.6	27.3	27.8	28.0	28.4	29.3

Maximum UGR = 30.1

POLAR GRAPH



Maximum Candela = 1334.467 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.)