

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L30-850-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-L30-850-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	3091
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	157
Total Luminaire Watts	19.7
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	6782	6075	6015
55	5873	5201	5281
65	4937	4454	4706
75	3959	3891	4399
85	2904	3828	4648

**IES INDOOR REPORT**  
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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	1000.379	1000.379	1000.379	1000.379	1000.379
0.5	995.635	999.430	1000.063	999.747	1006.388
1.0	995.635	999.747	999.747	999.430	1006.072
1.5	994.686	999.747	999.430	999.114	1006.388
2.0	994.370	998.798	999.430	998.798	1005.439
2.5	994.370	998.798	998.481	998.481	1004.807
3.0	993.421	997.849	997.849	997.849	1004.174
3.5	992.788	996.900	996.900	997.216	1003.542
4.0	992.156	996.267	996.267	995.951	1002.909
4.5	990.575	995.319	995.635	995.319	1001.960
5.0	989.626	994.370	994.370	994.370	1001.012
5.5	988.361	993.105	993.105	993.421	999.747
6.0	987.728	991.523	991.840	991.840	998.481
6.5	985.514	990.258	990.575	990.575	996.900
7.0	984.249	988.677	988.993	988.677	995.635
7.5	982.984	986.779	987.412	987.412	994.054
8.0	981.403	985.514	985.514	985.514	991.840
8.5	979.821	983.300	983.933	983.933	989.942
9.0	977.291	981.719	982.035	981.719	987.728
9.5	975.710	979.505	979.505	979.505	986.463
10.0	973.179	976.975	976.975	977.607	983.933
10.5	970.965	974.761	975.077	975.077	981.719
11.0	968.752	972.547	972.863	972.547	979.189
11.5	965.905	970.017	970.649	970.017	976.975
12.0	963.375	967.170	967.803	967.803	974.128
12.5	960.845	964.324	965.272	964.640	971.598
13.0	957.998	961.793	962.426	962.110	968.752
13.5	955.152	958.631	959.263	959.263	966.221
14.0	951.673	955.468	956.100	956.100	962.742
14.5	948.826	952.305	952.938	952.938	960.212
15.0	945.980	949.142	949.459	949.459	956.417
15.5	942.501	945.347	946.296	946.296	952.621
16.0	938.705	941.868	942.817	942.817	949.459
16.5	935.543	938.073	939.022	939.338	945.980
17.0	931.115	933.961	935.226	935.543	942.184
17.5	927.319	930.166	931.431	931.747	938.389
18.0	923.840	926.371	927.319	928.268	934.910
18.5	919.729	922.575	923.524	924.157	930.798
19.0	915.617	917.831	919.413	920.045	926.371
19.5	910.873	914.036	915.301	916.566	922.259
20.0	905.813	909.292	910.873	911.822	917.831
20.5	900.752	905.180	906.445	907.710	913.720
21.0	896.641	900.120	901.069	903.599	909.292
21.5	891.897	895.376	896.957	898.222	904.548
22.0	886.836	890.948	892.529	893.794	900.436
22.5	882.408	885.255	887.469	889.366	895.692
23.0	877.032	880.194	882.408	884.306	890.631
23.5	871.339	874.818	877.664	879.562	885.887
24.0	865.646	869.441	872.288	874.501	880.827
24.5	860.902	864.064	867.227	869.125	875.134
25.0	855.525	858.688	862.167	864.064	870.074
25.5	849.516	853.311	856.157	859.004	864.064
26.0	843.823	847.302	851.097	853.627	859.320
26.5	837.814	841.293	845.720	847.934	853.944

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**CANDELA TABULATION - (Cont.)**

27.0	831.804	834.967	840.344	843.190	848.567
27.5	824.846	828.958	834.334	836.865	843.190
28.0	819.786	822.949	828.325	831.172	837.181
28.5	813.144	816.939	822.316	825.162	831.172
29.0	806.819	810.614	815.991	819.470	825.479
29.5	800.177	803.972	809.665	813.144	819.153
30.0	793.535	797.647	803.339	807.767	813.777
30.5	786.577	790.688	797.330	801.758	807.451
31.0	779.935	784.047	790.688	795.433	800.809
31.5	772.977	777.721	784.363	789.423	795.116
32.0	766.335	770.447	778.037	782.782	788.475
32.5	759.061	763.489	771.396	776.456	782.149
33.0	752.103	756.847	764.121	770.131	775.824
33.5	745.461	749.889	757.796	763.173	769.182
34.0	737.554	742.615	750.838	756.847	763.173
34.5	730.280	735.657	744.196	749.889	756.214
35.0	723.638	728.066	737.554	743.563	749.573
35.5	715.099	721.108	730.280	736.605	742.615
36.0	708.457	713.517	723.322	729.647	735.973
36.5	700.234	705.927	716.047	723.006	729.647
37.0	692.643	698.652	708.773	715.731	723.006
37.5	684.736	690.745	701.815	709.406	715.731
38.0	676.829	683.155	694.224	702.131	708.141
38.5	668.606	675.248	686.950	695.490	701.183
39.0	661.332	667.341	679.360	688.215	695.490
39.5	653.109	660.067	672.085	680.941	687.899
40.0	644.253	651.844	664.495	674.299	680.625
40.5	636.030	643.937	657.220	667.341	673.667
41.0	628.439	636.030	649.630	660.067	666.392
41.5	620.216	628.123	642.039	652.792	659.434
42.0	611.993	620.216	634.448	645.834	652.476
42.5	604.086	611.993	626.542	638.560	645.202
43.0	595.230	604.086	619.267	631.602	638.244
43.5	587.640	595.863	611.360	624.328	631.286
44.0	579.100	587.640	603.453	617.370	624.011
44.5	571.193	579.733	595.547	609.779	616.737
45.0	562.970	571.510	587.956	603.137	610.095
45.5	554.747	563.603	580.365	596.179	603.137
46.0	546.524	555.380	572.142	588.588	595.863
46.5	538.301	547.156	565.184	582.263	588.905
47.0	529.761	539.250	557.277	574.672	581.947
47.5	521.538	531.026	549.370	567.398	574.672
48.0	513.631	522.803	541.463	560.756	567.398
48.5	504.776	514.896	534.189	553.166	560.440
49.0	496.869	506.357	525.966	545.891	553.166
49.5	488.645	498.450	518.375	538.933	546.208
50.0	480.106	490.227	510.785	531.343	538.933
50.5	472.199	482.320	502.878	525.017	532.291
51.0	463.976	474.097	495.920	517.743	525.333
51.5	456.069	465.874	488.013	510.785	518.375
52.0	447.530	457.967	480.422	503.510	511.417
52.5	439.307	449.744	473.148	496.236	504.776
53.0	430.767	441.837	465.557	489.911	497.501
53.5	422.544	433.930	458.283	482.636	490.859
54.0	414.637	426.023	451.009	475.678	484.218
54.5	407.046	417.800	443.734	469.353	477.576

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L30-850-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

55.0	399.140	410.209	436.460	462.078	471.567
55.5	392.498	402.302	429.186	455.437	464.292
56.0	384.907	395.344	422.228	448.795	457.650
56.5	377.000	388.070	414.953	442.153	451.325
57.0	369.410	380.796	407.995	435.511	444.683
57.5	361.503	373.205	401.986	429.186	437.409
58.0	353.596	365.614	395.028	422.228	432.032
58.5	346.005	358.024	388.070	416.218	425.707
59.0	338.415	350.433	381.428	410.842	419.065
59.5	330.824	343.159	375.419	404.200	414.004
60.0	323.233	335.568	368.777	397.874	407.679
60.5	315.801	328.294	362.135	391.865	401.353
61.0	308.337	321.020	355.494	385.856	395.344
61.5	300.936	313.808	348.852	379.847	389.651
62.0	293.662	306.661	342.526	374.154	383.642
62.5	286.482	299.576	335.884	368.461	377.949
63.0	279.208	292.523	329.559	362.452	372.889
63.5	271.997	285.565	323.550	356.759	367.196
64.0	264.976	278.702	317.224	350.749	361.503
64.5	257.986	271.997	311.215	345.056	355.810
65.0	251.059	265.260	305.174	339.363	350.433
65.5	244.228	258.682	299.197	333.671	344.740
66.0	237.301	252.103	293.282	327.978	339.363
66.5	230.533	245.683	287.399	322.601	333.987
67.0	223.923	239.326	281.548	316.908	328.610
67.5	217.281	233.063	275.824	311.595	323.233
68.0	210.734	226.959	270.131	306.218	318.173
68.5	204.282	220.887	264.564	300.999	312.891
69.0	197.862	214.877	259.061	295.749	307.894
69.5	191.536	208.995	253.621	290.657	302.929
70.0	185.242	203.207	248.276	285.660	297.995
70.5	179.107	197.482	242.931	280.663	293.124
71.0	173.034	191.821	237.681	275.729	288.317
71.5	167.025	186.286	232.557	270.921	283.573
72.0	161.142	180.720	227.434	266.146	278.955
72.5	155.228	175.343	222.436	261.465	274.369
73.0	149.472	169.998	217.471	256.847	269.751
73.5	143.874	164.716	212.664	252.261	265.260
74.0	138.339	159.593	207.793	247.833	260.737
74.5	132.899	154.437	203.144	243.437	256.468
75.0	127.491	149.408	198.526	239.136	252.325
75.5	122.177	144.506	193.972	234.866	248.118
76.0	117.022	139.699	189.544	230.628	244.006
76.5	111.898	134.955	185.148	226.485	239.895
77.0	106.838	130.242	180.815	222.373	235.910
77.5	101.872	125.656	176.545	218.388	231.956
78.0	96.970	121.165	172.402	214.466	228.066
78.5	92.163	116.737	168.290	210.513	224.208
79.0	87.450	112.436	164.305	206.686	220.412
79.5	82.769	108.166	160.383	202.954	216.617
80.0	78.152	103.960	156.461	199.253	213.011
80.5	73.661	99.880	152.666	195.521	209.343
81.0	69.296	95.863	149.029	191.916	205.769
81.5	64.868	91.941	145.392	188.342	202.195
82.0	60.598	88.114	141.850	184.895	198.747
82.5	56.424	84.351	138.370	181.447	195.363

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L30-850-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

83.0	52.312	80.682	134.955	178.126	192.074
83.5	48.232	77.108	131.697	174.742	188.658
84.0	44.247	73.629	128.534	171.548	185.401
84.5	40.293	70.276	125.435	168.385	182.206
85.0	36.498	67.019	122.399	165.254	179.012
85.5	32.703	63.919	119.426	162.218	175.912
86.0	28.971	60.946	116.516	159.245	172.844
86.5	25.270	58.163	113.764	156.272	169.777
87.0	21.633	55.475	110.981	153.457	166.772
87.5	17.996	52.976	108.356	150.610	163.894
88.0	14.391	50.541	105.762	147.859	160.984
88.5	10.753	48.264	103.264	145.139	158.169
89.0	7.432	46.113	100.892	142.514	155.386
89.5	4.713	44.120	98.583	139.983	152.666
90.0	2.815	42.349	96.464	137.580	150.168
90.5	1.993	40.800	94.503	135.176	147.511
91.0	2.119	39.376	92.511	132.741	144.981
91.5	2.530	38.016	90.518	130.432	142.450
92.0	3.005	36.878	88.620	128.092	139.983
92.5	3.511	35.897	87.007	125.846	137.548
93.0	4.017	35.043	85.331	123.727	135.208
93.5	4.554	34.379	83.750	121.640	132.994
94.0	5.124	33.810	82.263	119.679	130.843
94.5	5.661	33.399	80.872	117.686	128.629
95.0	6.199	33.082	79.575	115.725	126.510
95.5	6.705	32.861	78.373	113.859	124.423
96.0	7.116	32.766	77.329	112.056	122.367
96.5	7.527	32.766	76.286	110.380	120.469
97.0	7.907	32.798	75.337	108.767	118.572
97.5	8.318	32.924	74.451	107.217	116.832
98.0	8.666	33.051	73.661	105.699	115.061
98.5	9.077	33.209	72.996	104.244	113.416
99.0	9.488	33.399	72.301	102.884	111.803
99.5	9.931	33.620	71.700	101.588	110.222
100.0	10.311	33.841	71.225	100.386	108.799
100.5	10.753	34.094	70.751	99.216	107.344
101.0	11.133	34.348	70.403	98.109	106.047
101.5	11.512	34.601	70.055	97.065	104.719
102.0	11.860	34.854	69.802	96.084	103.549
102.5	12.208	35.107	69.549	95.167	102.378
103.0	12.556	35.391	69.359	94.250	101.335
103.5	12.936	35.676	69.201	93.459	100.259
104.0	13.347	35.929	69.043	92.732	99.279
104.5	13.758	36.214	68.948	92.036	98.362
105.0	14.138	36.498	68.853	91.404	97.476
105.5	14.485	36.751	68.758	90.739	96.717
106.0	14.897	37.067	68.727	90.170	95.958
106.5	15.276	37.352	68.727	89.632	95.199
107.0	15.656	37.668	68.727	89.126	94.566
107.5	16.004	37.921	68.727	88.747	93.902
108.0	16.446	38.238	68.727	88.304	93.238
108.5	16.857	38.554	68.758	87.988	92.795
109.0	17.269	38.807	68.822	87.577	92.352
109.5	17.711	39.092	68.853	87.292	91.878
110.0	18.154	39.376	68.916	86.976	91.498
110.5	18.597	39.661	68.980	86.691	91.151

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**CANDELA TABULATION - (Cont.)**

111.0	19.040	39.946	69.011	86.438	90.771
111.5	19.483	40.199	69.043	86.248	90.455
112.0	19.957	40.483	69.106	86.059	90.075
112.5	20.431	40.768	69.169	85.837	89.727
113.0	20.937	41.053	69.264	85.679	89.569
113.5	21.412	41.306	69.264	85.521	89.348
114.0	21.918	41.559	69.328	85.394	89.126
114.5	22.392	41.843	69.391	85.236	88.937
115.0	22.898	42.065	69.454	85.141	88.779
115.5	23.404	42.349	69.454	85.046	88.620
116.0	23.879	42.602	69.549	84.920	88.431
116.5	24.322	42.855	69.612	84.793	88.367
117.0	24.828	43.140	69.675	84.793	88.209
117.5	25.302	43.361	69.739	84.667	88.114
118.0	25.713	43.583	69.802	84.604	87.988
118.5	26.188	43.804	69.834	84.509	87.956
119.0	26.599	44.026	69.897	84.414	87.766
119.5	27.042	44.184	69.960	84.319	87.735
120.0	27.453	44.342	69.928	84.256	87.577
120.5	27.864	44.532	69.960	84.129	87.545
121.0	28.275	44.658	70.023	84.034	87.419
121.5	28.718	44.816	69.992	83.908	87.355
122.0	29.129	45.006	69.992	83.845	87.260
122.5	29.540	45.196	70.023	83.718	87.039
123.0	29.951	45.386	69.992	83.592	87.007
123.5	30.331	45.544	69.928	83.497	86.818
124.0	30.647	45.670	69.928	83.402	86.786
124.5	30.963	45.797	69.928	83.244	86.659
125.0	31.280	45.955	69.865	83.086	86.533
125.5	31.596	46.050	69.802	82.991	86.375
126.0	31.881	46.176	69.770	82.801	86.248
126.5	32.134	46.334	69.707	82.674	86.153
127.0	32.418	46.398	69.644	82.516	86.027
127.5	32.640	46.492	69.549	82.358	85.806
128.0	32.924	46.492	69.517	82.168	85.679
128.5	33.146	46.556	69.391	82.010	85.552
129.0	33.367	46.619	69.264	81.852	85.394
129.5	33.557	46.714	69.043	81.599	85.205
130.0	33.715	46.777	68.822	81.441	85.015
130.5	33.873	46.840	68.569	81.251	84.793
131.0	33.968	46.935	68.315	80.966	84.572
131.5	34.094	47.030	68.062	80.713	84.351
132.0	34.221	47.125	67.778	80.555	84.161
132.5	34.284	47.157	67.462	80.239	83.876
133.0	34.379	47.188	67.335	79.954	83.528
133.5	34.411	47.157	67.145	79.733	83.370
134.0	34.442	47.093	67.019	79.480	83.149
134.5	34.537	46.967	66.861	79.195	82.738
135.0	34.632	46.872	66.671	78.816	82.421
135.5	34.601	46.619	66.513	78.563	82.168
136.0	34.664	46.587	66.291	78.247	81.852
136.5	34.727	46.492	66.133	77.899	81.536
137.0	34.759	46.334	65.880	77.614	81.188
137.5	34.790	46.176	65.659	77.234	80.872
138.0	34.854	46.081	65.342	76.918	80.492
138.5	34.854	45.955	64.931	76.570	80.207

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L30-850-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

139.0	34.822	45.860	64.457	76.159	79.765
139.5	34.822	45.733	63.888	75.716	79.448
140.0	34.822	45.575	63.255	75.305	79.006
140.5	34.822	45.480	62.686	74.799	78.531
141.0	34.822	45.417	62.053	74.261	78.152
141.5	34.822	45.291	61.421	73.787	77.772
142.0	34.790	45.227	60.820	73.186	77.361
142.5	34.759	45.132	60.187	72.648	76.887
143.0	34.727	45.038	59.586	72.142	76.412
143.5	34.727	44.911	58.890	71.605	75.969
144.0	34.727	44.753	58.290	71.194	75.463
144.5	34.822	44.626	57.689	70.719	75.021
145.0	34.948	44.500	57.024	70.308	74.514
145.5	35.170	44.342	56.424	69.897	74.008
146.0	35.454	44.215	55.854	69.454	73.534
146.5	35.739	44.089	55.380	68.980	72.996
147.0	36.024	43.931	54.842	68.505	72.459
147.5	36.277	43.867	54.431	68.031	71.921
148.0	36.561	43.741	53.988	67.493	71.352
148.5	36.814	43.709	53.640	66.987	70.782
149.0	37.131	43.709	53.261	66.481	70.276
149.5	37.352	43.804	52.913	65.943	69.644
150.0	37.605	43.867	52.565	65.437	68.980
150.5	37.827	43.899	52.185	64.868	68.284
151.0	37.985	43.994	51.679	64.299	67.462
151.5	38.143	44.026	51.142	63.698	66.702
152.0	38.333	44.089	50.636	63.065	65.943
152.5	38.522	44.152	50.161	62.401	65.121
153.0	38.649	44.184	49.655	61.642	64.457
153.5	38.807	44.279	49.118	60.851	63.698
154.0	38.934	44.247	48.643	59.966	63.065
154.5	39.092	44.279	48.232	59.112	62.433
155.0	39.155	44.342	47.821	58.131	61.958
155.5	39.281	44.373	47.410	57.214	61.452
156.0	39.376	44.373	47.125	56.234	61.010
156.5	39.534	44.373	46.840	55.253	60.440
157.0	39.598	44.437	46.556	54.368	59.903
157.5	39.693	44.437	46.366	53.514	59.302
158.0	39.819	44.405	46.271	52.628	58.732
158.5	39.851	44.405	46.145	51.901	58.068
159.0	40.009	44.310	46.050	51.205	57.499
159.5	40.135	44.247	45.892	50.541	56.866
160.0	40.293	44.184	45.733	50.003	56.234
160.5	40.483	44.152	45.607	49.497	55.633
161.0	40.610	44.057	45.575	48.959	55.032
161.5	40.800	44.026	45.512	48.422	54.589
162.0	40.958	43.962	45.607	47.979	54.210
162.5	41.116	43.962	45.670	47.505	53.767
163.0	41.306	43.931	45.702	46.999	53.387
163.5	41.464	43.931	45.765	46.461	52.913
164.0	41.527	43.931	45.828	45.797	52.470
164.5	41.622	43.867	45.765	45.291	51.901
165.0	41.717	43.867	45.670	44.785	51.331
165.5	41.812	43.836	45.575	44.437	50.731
166.0	41.906	43.804	45.512	44.057	49.813
166.5	42.001	43.804	45.417	43.741	49.371

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 75W-4-L30-850-DIM-UNV\_.IES

CANDELA TABULATION - (Cont.)

167.0	42.128	43.804	45.322	43.456	49.023
167.5	42.191	43.804	45.132	43.203	48.675
168.0	42.286	43.804	44.974	42.950	48.390
168.5	42.476	43.678	44.753	42.729	48.042
169.0	42.571	43.709	44.595	42.507	47.694
169.5	42.729	43.614	44.342	42.254	47.315
170.0	42.792	43.583	44.120	41.938	46.967
170.5	42.887	43.519	43.836	41.590	46.587
171.0	42.950	43.456	43.519	41.211	46.113
171.5	43.045	43.456	43.235	40.863	45.733
172.0	43.203	43.393	43.077	40.515	45.164
172.5	43.298	43.393	42.887	40.135	44.532
173.0	43.425	43.330	42.729	39.787	43.456
173.5	43.583	43.361	42.666	39.440	41.843
174.0	43.709	43.361	42.634	39.155	39.851
174.5	43.804	43.361	42.571	38.870	37.479
175.0	43.994	43.456	42.539	38.649	34.790
175.5	44.057	43.488	42.507	38.554	31.975
176.0	44.184	43.551	42.507	38.459	30.141
176.5	44.215	43.583	42.476	38.459	28.844
177.0	44.342	43.646	42.413	38.364	27.516
177.5	44.373	43.646	42.318	38.333	27.231
178.0	44.500	43.709	42.286	38.301	27.295
178.5	44.563	43.741	42.318	38.238	27.358
179.0	44.626	43.741	42.286	38.143	27.389
179.5	44.690	43.741	42.254	38.111	27.421
180.0	40.072	40.072	40.072	40.072	40.072



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L30-850-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	362.10	N.A.	11.70
0-30	758.71	N.A.	24.50
0-40	1218.77	N.A.	39.40
0-60	2062.6	N.A.	66.70
0-80	2569.64	N.A.	83.10
0-90	2697.15	N.A.	87.30
10-90	2602.75	N.A.	84.20
20-40	856.67	N.A.	27.70
20-50	1309.71	N.A.	42.40
40-70	1144.42	N.A.	37.00
60-80	507.03	N.A.	16.40
70-80	206.44	N.A.	6.70
80-90	127.52	N.A.	4.10
90-110	148.94	N.A.	4.80
90-120	211.64	N.A.	6.80
90-130	269.35	N.A.	8.70
90-150	353.61	N.A.	11.40
90-180	393.89	N.A.	12.70
110-180	244.95	N.A.	7.90
0-180	3091.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	94.40
10-20	267.70
20-30	396.62
30-40	460.05
40-50	453.04
50-60	390.80
60-70	300.59
70-80	206.44
80-90	127.52
90-100	81.70
100-110	67.24
110-120	62.70
120-130	57.71
130-140	48.49
140-150	35.76
150-160	23.38
160-170	12.88
170-180	4.01

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L30-850-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-L30-850-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

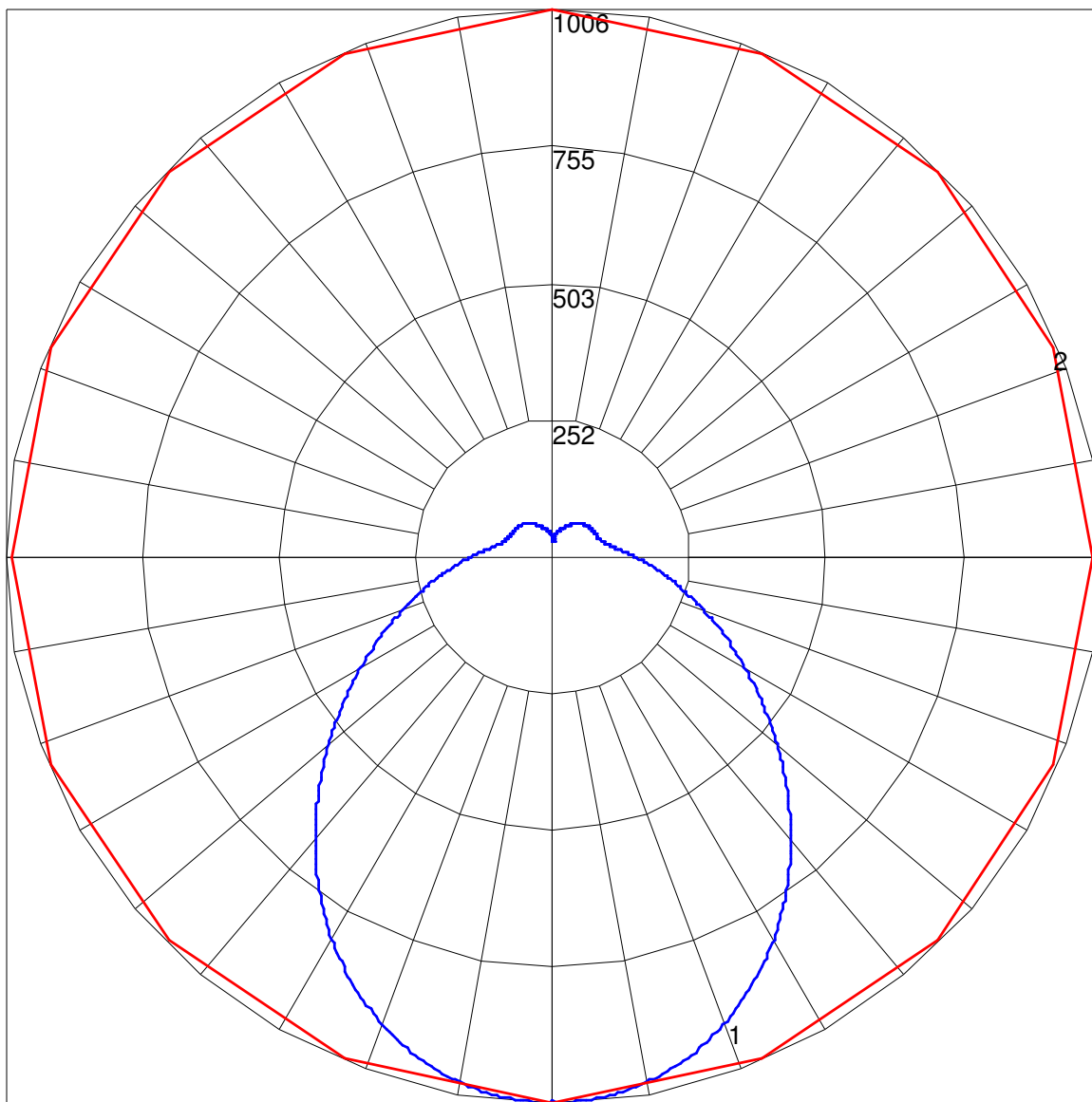
Reflectances

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	15.7	17.1	16.3	17.6	18.2	17.4	18.7	17.9	19.3	19.9
	3H	17.1	18.3	17.6	18.9	19.5	19.6	20.8	20.1	21.4	22.0
	4H	17.5	18.7	18.1	19.3	19.9	20.6	21.8	21.2	22.4	23.1
	6H	17.8	18.9	18.4	19.5	20.2	21.8	22.8	22.4	23.4	24.1
	8H	17.9	18.9	18.5	19.5	20.2	22.3	23.4	23.0	24.0	24.7
	12H	17.9	18.9	18.5	19.5	20.2	23.0	24.0	23.6	24.6	25.3
4H	2H	16.4	17.6	17.0	18.2	18.9	17.8	18.9	18.4	19.5	20.2
	3H	18.0	19.0	18.6	19.6	20.3	20.2	21.2	20.8	21.8	22.5
	4H	18.6	19.5	19.2	20.1	20.9	21.5	22.3	22.1	23.0	23.7
	6H	19.0	19.8	19.7	20.5	21.2	22.8	23.6	23.4	24.2	25.0
	8H	19.1	19.9	19.8	20.5	21.3	23.5	24.2	24.1	24.9	25.6
	12H	19.2	19.9	19.9	20.6	21.3	24.3	24.9	24.9	25.6	26.4
8H	4H	19.2	19.9	19.8	20.6	21.3	21.6	22.4	22.3	23.0	23.8
	6H	19.8	20.4	20.4	21.1	21.8	23.1	23.8	23.8	24.5	25.2
	8H	20.0	20.5	20.6	21.2	22.0	24.0	24.6	24.7	25.3	26.0
	12H	20.1	20.6	20.8	21.3	22.1	25.0	25.5	25.7	26.2	27.0
12H	4H	19.3	20.0	20.0	20.7	21.4	21.6	22.3	22.3	23.0	23.8
	6H	20.0	20.6	20.7	21.3	22.1	23.2	23.8	23.9	24.4	25.2
	8H	20.3	20.8	21.0	21.5	22.3	24.1	24.6	24.8	25.3	26.1

Maximum UGR = 27.0

POLAR GRAPH



Maximum Candela = 1006.388 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.)