

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L30-835-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-L30-835-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	2916
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	148
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	6398	5731	5675
55	5540	4906	4982
65	4657	4202	4440
75	3735	3671	4150
85	2740	3611	4384

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L30-835-DIM-UNV_.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	943.754	943.754	943.754	943.754	943.754
0.5	939.279	942.859	943.456	943.157	949.423
1.0	939.279	943.157	943.157	942.859	949.125
1.5	938.383	943.157	942.859	942.561	949.423
2.0	938.085	942.262	942.859	942.262	948.528
2.5	938.085	942.262	941.964	941.964	947.931
3.0	937.190	941.367	941.367	941.367	947.335
3.5	936.593	940.472	940.472	940.770	946.738
4.0	935.996	939.875	939.875	939.577	946.141
4.5	934.505	938.980	939.279	938.980	945.246
5.0	933.609	938.085	938.085	938.085	944.351
5.5	932.416	936.892	936.892	937.190	943.157
6.0	931.819	935.400	935.698	935.698	941.964
6.5	929.731	934.206	934.505	934.505	940.472
7.0	928.537	932.714	933.013	932.714	939.279
7.5	927.344	930.924	931.521	931.521	937.787
8.0	925.852	929.731	929.731	929.731	935.698
8.5	924.360	927.642	928.239	928.239	933.908
9.0	921.973	926.150	926.448	926.150	931.819
9.5	920.481	924.062	924.062	924.062	930.626
10.0	918.094	921.675	921.675	922.271	928.239
10.5	916.005	919.586	919.884	919.884	926.150
11.0	913.917	917.497	917.796	917.497	923.763
11.5	911.231	915.110	915.707	915.110	921.675
12.0	908.844	912.425	913.022	913.022	918.989
12.5	906.457	909.740	910.635	910.038	916.602
13.0	903.772	907.353	907.949	907.651	913.917
13.5	901.087	904.369	904.966	904.966	911.530
14.0	897.805	901.385	901.982	901.982	908.248
14.5	895.119	898.401	898.998	898.998	905.861
15.0	892.434	895.418	895.716	895.716	902.280
15.5	889.152	891.837	892.732	892.732	898.700
16.0	885.571	888.555	889.450	889.450	895.716
16.5	882.588	884.975	885.870	886.168	892.434
17.0	878.410	881.096	882.289	882.588	888.853
17.5	874.830	877.515	878.709	879.007	885.273
18.0	871.548	873.935	874.830	875.725	881.991
18.5	867.669	870.354	871.249	871.846	878.112
19.0	863.790	865.879	867.371	867.967	873.935
19.5	859.315	862.298	863.492	864.685	870.056
20.0	854.541	857.823	859.315	860.210	865.879
20.5	849.767	853.944	855.137	856.331	862.000
21.0	845.888	849.170	850.065	852.452	857.823
21.5	841.412	844.694	846.186	847.380	853.347
22.0	836.638	840.517	842.009	843.202	849.468
22.5	832.461	835.146	837.235	839.025	844.993
23.0	827.389	830.372	832.461	834.251	840.219
23.5	822.018	825.300	827.985	829.776	835.743
24.0	816.647	820.228	822.913	825.002	830.969
24.5	812.172	815.155	818.139	819.929	825.598
25.0	807.099	810.083	813.365	815.155	820.824
25.5	801.430	805.011	807.696	810.381	815.155
26.0	796.059	799.342	802.922	805.309	810.680
26.5	790.390	793.672	797.850	799.938	805.607

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L30-835-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	784.721	787.705	792.777	795.463	800.535
27.5	778.157	782.036	787.108	789.495	795.463
28.0	773.383	776.367	781.439	784.125	789.794
28.5	767.117	770.698	775.770	778.455	784.125
29.0	761.150	764.730	769.803	773.085	778.754
29.5	754.884	758.464	763.835	767.117	772.786
30.0	748.618	752.497	757.868	762.045	767.714
30.5	742.054	745.933	752.199	756.376	761.747
31.0	735.788	739.667	745.933	750.408	755.481
31.5	729.224	733.699	739.965	744.739	750.110
32.0	722.958	726.837	733.998	738.473	743.844
32.5	716.095	720.273	727.732	732.506	737.877
33.0	709.531	714.007	720.869	726.539	731.909
33.5	703.265	707.443	714.902	719.974	725.643
34.0	695.806	700.580	708.338	714.007	719.974
34.5	688.943	694.016	702.072	707.443	713.410
35.0	682.678	686.855	695.806	701.475	707.144
35.5	674.622	680.291	688.943	694.911	700.580
36.0	668.356	673.130	682.379	688.347	694.314
36.5	660.598	665.969	675.517	682.081	688.347
37.0	653.437	659.106	668.654	675.218	682.081
37.5	645.978	651.647	662.090	669.251	675.218
38.0	638.518	644.486	654.929	662.388	668.057
38.5	630.761	637.027	648.066	656.122	661.493
39.0	623.898	629.567	640.905	649.260	656.122
39.5	616.140	622.705	634.043	642.397	648.961
40.0	607.786	614.947	626.882	636.131	642.099
40.5	600.028	607.488	620.019	629.567	635.535
41.0	592.867	600.028	612.858	622.705	628.672
41.5	585.110	592.569	605.697	615.842	622.108
42.0	577.352	585.110	598.536	609.278	615.544
42.5	569.893	577.352	591.077	602.415	608.681
43.0	561.538	569.893	584.215	595.851	602.117
43.5	554.377	562.135	576.755	588.989	595.553
44.0	546.321	554.377	569.296	582.424	588.690
44.5	538.862	546.918	561.837	575.263	581.828
45.0	531.104	539.160	554.676	568.998	575.562
45.5	523.346	531.701	547.515	562.433	568.998
46.0	515.589	523.943	539.757	555.272	562.135
46.5	507.831	516.185	533.193	549.305	555.571
47.0	499.775	508.726	525.733	542.144	549.007
47.5	492.017	500.968	518.274	535.281	542.144
48.0	484.558	493.211	510.815	529.016	535.281
48.5	476.203	485.751	503.952	521.855	528.717
49.0	468.744	477.695	496.194	514.992	521.855
49.5	460.986	470.236	489.034	508.428	515.290
50.0	452.930	462.478	481.873	501.267	508.428
50.5	445.471	455.019	474.413	495.299	502.162
51.0	437.713	447.261	467.849	488.437	495.598
51.5	430.254	439.504	460.390	481.873	489.034
52.0	422.198	432.044	453.229	475.010	482.469
52.5	414.440	424.287	446.366	468.147	476.203
53.0	406.384	416.827	439.205	462.180	469.341
53.5	398.626	409.368	432.343	455.317	463.075
54.0	391.167	401.909	425.480	448.753	456.809
54.5	384.006	394.151	418.617	442.786	450.543

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L30-835-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	376.547	386.990	411.755	435.923	444.874
55.5	370.281	379.531	404.892	429.657	438.012
56.0	363.120	372.966	398.328	423.391	431.746
56.5	355.661	366.104	391.466	417.126	425.778
57.0	348.500	359.241	384.901	410.860	419.513
57.5	341.040	352.080	379.232	404.892	412.650
58.0	333.581	344.919	372.668	398.328	407.578
58.5	326.420	337.758	366.104	392.659	401.610
59.0	319.259	330.597	359.838	387.587	395.344
59.5	312.098	323.735	354.169	381.321	390.570
60.0	304.937	316.574	347.903	375.353	384.603
60.5	297.926	309.711	341.637	369.684	378.635
61.0	290.884	302.849	335.371	364.015	372.966
61.5	283.902	296.046	329.106	358.346	367.596
62.0	277.039	289.303	323.138	352.975	361.927
62.5	270.266	282.619	316.872	347.605	356.556
63.0	263.404	275.965	310.905	341.936	351.782
63.5	256.601	269.401	305.236	336.565	346.411
64.0	249.977	262.926	299.268	330.896	341.040
64.5	243.383	256.601	293.599	325.525	335.670
65.0	236.849	250.246	287.900	320.154	330.597
65.5	230.404	244.039	282.261	314.784	325.227
66.0	223.869	237.833	276.681	309.413	320.154
66.5	217.484	231.776	271.132	304.341	315.082
67.0	211.248	225.779	265.612	298.970	310.010
67.5	204.982	219.871	260.211	293.957	304.937
68.0	198.806	214.113	254.840	288.885	300.163
68.5	192.719	208.384	249.589	283.962	295.181
69.0	186.662	202.715	244.397	279.009	290.466
69.5	180.695	197.165	239.265	274.205	285.782
70.0	174.757	191.705	234.223	269.491	281.127
70.5	168.969	186.304	229.180	264.776	276.532
71.0	163.240	180.963	224.227	260.122	271.997
71.5	157.571	175.742	219.394	255.586	267.521
72.0	152.021	170.490	214.560	251.081	263.165
72.5	146.442	165.418	209.846	246.665	258.839
73.0	141.011	160.376	205.161	242.309	254.482
73.5	135.730	155.393	200.626	237.982	250.246
74.0	130.508	150.559	196.031	233.805	245.979
74.5	125.376	145.696	191.645	229.658	241.951
75.0	120.274	140.951	187.289	225.600	238.042
75.5	115.262	136.327	182.992	221.572	234.074
76.0	110.398	131.791	178.815	217.574	230.195
76.5	105.564	127.316	174.668	213.665	226.316
77.0	100.790	122.870	170.580	209.786	222.556
77.5	96.106	118.544	166.552	206.027	218.827
78.0	91.481	114.307	162.643	202.327	215.157
78.5	86.946	110.130	158.764	198.597	211.517
79.0	82.500	106.072	155.005	194.987	207.936
79.5	78.084	102.044	151.305	191.466	204.356
80.0	73.728	98.075	147.605	187.975	200.954
80.5	69.491	94.226	144.025	184.454	197.493
81.0	65.374	90.437	140.593	181.053	194.122
81.5	61.196	86.737	137.162	177.681	190.750
82.0	57.168	83.127	133.820	174.429	187.498
82.5	53.230	79.576	130.538	171.177	184.305

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L30-835-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	49.351	76.115	127.316	168.044	181.202
83.5	45.502	72.743	124.243	164.851	177.980
84.0	41.742	69.461	121.259	161.838	174.906
84.5	38.013	66.299	118.335	158.854	171.893
85.0	34.432	63.225	115.470	155.900	168.879
85.5	30.852	60.301	112.666	153.036	165.955
86.0	27.331	57.496	109.921	150.231	163.061
86.5	23.840	54.871	107.325	147.426	160.167
87.0	20.409	52.335	104.699	144.771	157.332
87.5	16.977	49.977	102.223	142.085	154.617
88.0	13.576	47.680	99.776	139.489	151.872
88.5	10.145	45.532	97.419	136.923	149.216
89.0	7.012	43.503	95.181	134.447	146.591
89.5	4.446	41.623	93.003	132.060	144.025
90.0	2.656	39.952	91.004	129.792	141.668
90.5	1.880	38.490	89.154	127.525	139.161
91.0	1.999	37.147	87.274	125.227	136.774
91.5	2.387	35.864	85.394	123.049	134.387
92.0	2.835	34.790	83.604	120.841	132.060
92.5	3.312	33.865	82.082	118.723	129.762
93.0	3.789	33.060	80.501	116.724	127.555
93.5	4.297	32.433	79.009	114.754	125.466
94.0	4.834	31.896	77.607	112.904	123.437
94.5	5.341	31.508	76.294	111.025	121.348
95.0	5.848	31.210	75.071	109.175	119.349
95.5	6.326	31.001	73.937	107.414	117.380
96.0	6.713	30.911	72.952	105.714	115.441
96.5	7.101	30.911	71.968	104.132	113.650
97.0	7.459	30.941	71.072	102.611	111.860
97.5	7.847	31.061	70.237	101.148	110.219
98.0	8.175	31.180	69.491	99.716	108.548
98.5	8.563	31.329	68.865	98.344	106.997
99.0	8.951	31.508	68.208	97.061	105.475
99.5	9.369	31.717	67.641	95.837	103.983
100.0	9.727	31.926	67.194	94.704	102.640
100.5	10.145	32.165	66.746	93.600	101.268
101.0	10.503	32.403	66.418	92.555	100.045
101.5	10.861	32.642	66.090	91.571	98.791
102.0	11.189	32.881	65.851	90.646	97.687
102.5	11.517	33.119	65.612	89.780	96.583
103.0	11.845	33.388	65.433	88.915	95.599
103.5	12.203	33.656	65.284	88.169	94.584
104.0	12.591	33.895	65.135	87.483	93.659
104.5	12.979	34.164	65.045	86.827	92.794
105.0	13.337	34.432	64.956	86.230	91.959
105.5	13.665	34.671	64.866	85.603	91.242
106.0	14.053	34.969	64.836	85.066	90.526
106.5	14.411	35.238	64.836	84.559	89.810
107.0	14.769	35.536	64.836	84.082	89.214
107.5	15.098	35.775	64.836	83.723	88.587
108.0	15.515	36.073	64.836	83.306	87.960
108.5	15.903	36.372	64.866	83.007	87.543
109.0	16.291	36.610	64.926	82.620	87.125
109.5	16.709	36.879	64.956	82.351	86.677
110.0	17.127	37.147	65.015	82.053	86.319
110.5	17.544	37.416	65.075	81.784	85.991

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L30-835-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

111.0	17.962	37.685	65.105	81.545	85.633
111.5	18.380	37.923	65.135	81.366	85.335
112.0	18.827	38.192	65.195	81.187	84.977
112.5	19.275	38.460	65.254	80.978	84.648
113.0	19.752	38.729	65.344	80.829	84.499
113.5	20.200	38.968	65.344	80.680	84.290
114.0	20.677	39.206	65.403	80.561	84.082
114.5	21.125	39.475	65.463	80.412	83.903
115.0	21.602	39.684	65.523	80.322	83.753
115.5	22.080	39.952	65.523	80.233	83.604
116.0	22.527	40.191	65.612	80.113	83.425
116.5	22.945	40.430	65.672	79.994	83.365
117.0	23.422	40.698	65.732	79.994	83.216
117.5	23.870	40.907	65.791	79.874	83.127
118.0	24.258	41.116	65.851	79.815	83.007
118.5	24.705	41.325	65.881	79.725	82.978
119.0	25.093	41.534	65.940	79.636	82.799
119.5	25.511	41.683	66.000	79.546	82.769
120.0	25.899	41.832	65.970	79.487	82.620
120.5	26.287	42.011	66.000	79.367	82.590
121.0	26.675	42.130	66.060	79.278	82.470
121.5	27.092	42.279	66.030	79.158	82.411
122.0	27.480	42.458	66.030	79.099	82.321
122.5	27.868	42.638	66.060	78.979	82.112
123.0	28.256	42.817	66.030	78.860	82.082
123.5	28.614	42.966	65.970	78.770	81.903
124.0	28.912	43.085	65.970	78.681	81.874
124.5	29.211	43.204	65.970	78.532	81.754
125.0	29.509	43.354	65.911	78.383	81.635
125.5	29.807	43.443	65.851	78.293	81.486
126.0	30.076	43.562	65.821	78.114	81.366
126.5	30.315	43.712	65.761	77.995	81.277
127.0	30.583	43.771	65.702	77.846	81.157
127.5	30.792	43.861	65.612	77.696	80.949
128.0	31.061	43.861	65.582	77.517	80.829
128.5	31.270	43.921	65.463	77.368	80.710
129.0	31.478	43.980	65.344	77.219	80.561
129.5	31.657	44.070	65.135	76.980	80.382
130.0	31.807	44.129	64.926	76.831	80.203
130.5	31.956	44.189	64.687	76.652	79.994
131.0	32.045	44.279	64.449	76.384	79.785
131.5	32.165	44.368	64.210	76.145	79.576
132.0	32.284	44.458	63.941	75.996	79.397
132.5	32.344	44.487	63.643	75.697	79.129
133.0	32.433	44.517	63.524	75.429	78.800
133.5	32.463	44.487	63.345	75.220	78.651
134.0	32.493	44.428	63.225	74.981	78.442
134.5	32.582	44.308	63.076	74.713	78.054
135.0	32.672	44.219	62.897	74.355	77.756
135.5	32.642	43.980	62.748	74.116	77.517
136.0	32.702	43.950	62.539	73.818	77.219
136.5	32.761	43.861	62.390	73.489	76.921
137.0	32.791	43.712	62.151	73.221	76.592
137.5	32.821	43.562	61.942	72.863	76.294
138.0	32.881	43.473	61.644	72.564	75.936
138.5	32.881	43.354	61.256	72.236	75.667

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L30-835-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

139.0	32.851	43.264	60.808	71.848	75.250
139.5	32.851	43.145	60.271	71.431	74.951
140.0	32.851	42.996	59.675	71.043	74.534
140.5	32.851	42.906	59.138	70.565	74.086
141.0	32.851	42.846	58.541	70.058	73.728
141.5	32.851	42.727	57.944	69.610	73.370
142.0	32.821	42.667	57.377	69.044	72.982
142.5	32.791	42.578	56.780	68.536	72.535
143.0	32.761	42.488	56.213	68.059	72.087
143.5	32.761	42.369	55.557	67.552	71.669
144.0	32.761	42.220	54.990	67.164	71.192
144.5	32.851	42.100	54.423	66.716	70.774
145.0	32.970	41.981	53.797	66.328	70.297
145.5	33.179	41.832	53.230	65.940	69.819
146.0	33.448	41.713	52.693	65.523	69.372
146.5	33.716	41.593	52.245	65.075	68.865
147.0	33.985	41.444	51.738	64.628	68.357
147.5	34.223	41.384	51.350	64.180	67.850
148.0	34.492	41.265	50.932	63.673	67.313
148.5	34.731	41.235	50.604	63.195	66.776
149.0	35.029	41.235	50.246	62.718	66.299
149.5	35.238	41.325	49.918	62.211	65.702
150.0	35.477	41.384	49.590	61.733	65.075
150.5	35.685	41.414	49.232	61.196	64.419
151.0	35.835	41.504	48.754	60.659	63.643
151.5	35.984	41.534	48.247	60.092	62.927
152.0	36.163	41.593	47.770	59.496	62.211
152.5	36.342	41.653	47.322	58.869	61.435
153.0	36.461	41.683	46.845	58.153	60.808
153.5	36.610	41.772	46.337	57.407	60.092
154.0	36.730	41.742	45.890	56.572	59.496
154.5	36.879	41.772	45.502	55.766	58.899
155.0	36.939	41.832	45.114	54.841	58.451
155.5	37.058	41.862	44.726	53.976	57.974
156.0	37.147	41.862	44.458	53.051	57.556
156.5	37.297	41.862	44.189	52.126	57.019
157.0	37.356	41.921	43.921	51.290	56.512
157.5	37.446	41.921	43.741	50.485	55.945
158.0	37.565	41.892	43.652	49.649	55.408
158.5	37.595	41.892	43.533	48.963	54.781
159.0	37.744	41.802	43.443	48.307	54.244
159.5	37.864	41.742	43.294	47.680	53.647
160.0	38.013	41.683	43.145	47.173	53.051
160.5	38.192	41.653	43.025	46.695	52.484
161.0	38.311	41.563	42.996	46.188	51.917
161.5	38.490	41.534	42.936	45.681	51.499
162.0	38.639	41.474	43.025	45.263	51.141
162.5	38.789	41.474	43.085	44.816	50.723
163.0	38.968	41.444	43.115	44.338	50.365
163.5	39.117	41.444	43.175	43.831	49.918
164.0	39.176	41.444	43.234	43.204	49.500
164.5	39.266	41.384	43.175	42.727	48.963
165.0	39.355	41.384	43.085	42.250	48.426
165.5	39.445	41.355	42.996	41.921	47.859
166.0	39.534	41.325	42.936	41.563	46.994
166.5	39.624	41.325	42.846	41.265	46.576

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L30-835-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

167.0	39.743	41.325	42.757	40.996	46.248
167.5	39.803	41.325	42.578	40.758	45.920
168.0	39.892	41.325	42.429	40.519	45.651
168.5	40.072	41.205	42.220	40.310	45.323
169.0	40.161	41.235	42.071	40.101	44.995
169.5	40.310	41.146	41.832	39.863	44.637
170.0	40.370	41.116	41.623	39.564	44.308
170.5	40.459	41.056	41.355	39.236	43.950
171.0	40.519	40.996	41.056	38.878	43.503
171.5	40.609	40.996	40.788	38.550	43.145
172.0	40.758	40.937	40.638	38.222	42.608
172.5	40.847	40.937	40.459	37.864	42.011
173.0	40.967	40.877	40.310	37.535	40.996
173.5	41.116	40.907	40.251	37.207	39.475
174.0	41.235	40.907	40.221	36.939	37.595
174.5	41.325	40.907	40.161	36.670	35.357
175.0	41.504	40.996	40.131	36.461	32.821
175.5	41.563	41.026	40.101	36.372	30.166
176.0	41.683	41.086	40.101	36.282	28.435
176.5	41.713	41.116	40.072	36.282	27.212
177.0	41.832	41.175	40.012	36.193	25.958
177.5	41.862	41.175	39.922	36.163	25.690
178.0	41.981	41.235	39.892	36.133	25.750
178.5	42.041	41.265	39.922	36.073	25.809
179.0	42.100	41.265	39.892	35.984	25.839
179.5	42.160	41.265	39.863	35.954	25.869
180.0	37.804	37.804	37.804	37.804	37.804

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L30-835-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	341.60	N.A.	11.70
0-30	715.77	N.A.	24.50
0-40	1149.78	N.A.	39.40
0-60	1945.85	N.A.	66.70
0-80	2424.19	N.A.	83.10
0-90	2544.49	N.A.	87.30
10-90	2455.43	N.A.	84.20
20-40	808.18	N.A.	27.70
20-50	1235.58	N.A.	42.40
40-70	1079.65	N.A.	37.00
60-80	478.33	N.A.	16.40
70-80	194.76	N.A.	6.70
80-90	120.30	N.A.	4.10
90-110	140.51	N.A.	4.80
90-120	199.66	N.A.	6.80
90-130	254.11	N.A.	8.70
90-150	333.59	N.A.	11.40
90-180	371.59	N.A.	12.70
110-180	231.08	N.A.	7.90
0-180	2916.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	89.06
10-20	252.54
20-30	374.17
30-40	434.01
40-50	427.40
50-60	368.68
60-70	283.57
70-80	194.76
80-90	120.30
90-100	77.08
100-110	63.43
110-120	59.15
120-130	54.44
130-140	45.75
140-150	33.74
150-160	22.06
160-170	12.15
170-180	3.79

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L30-835-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-L30-835-DIM-UNV_.IES

UGR TABLE - CORRECTED

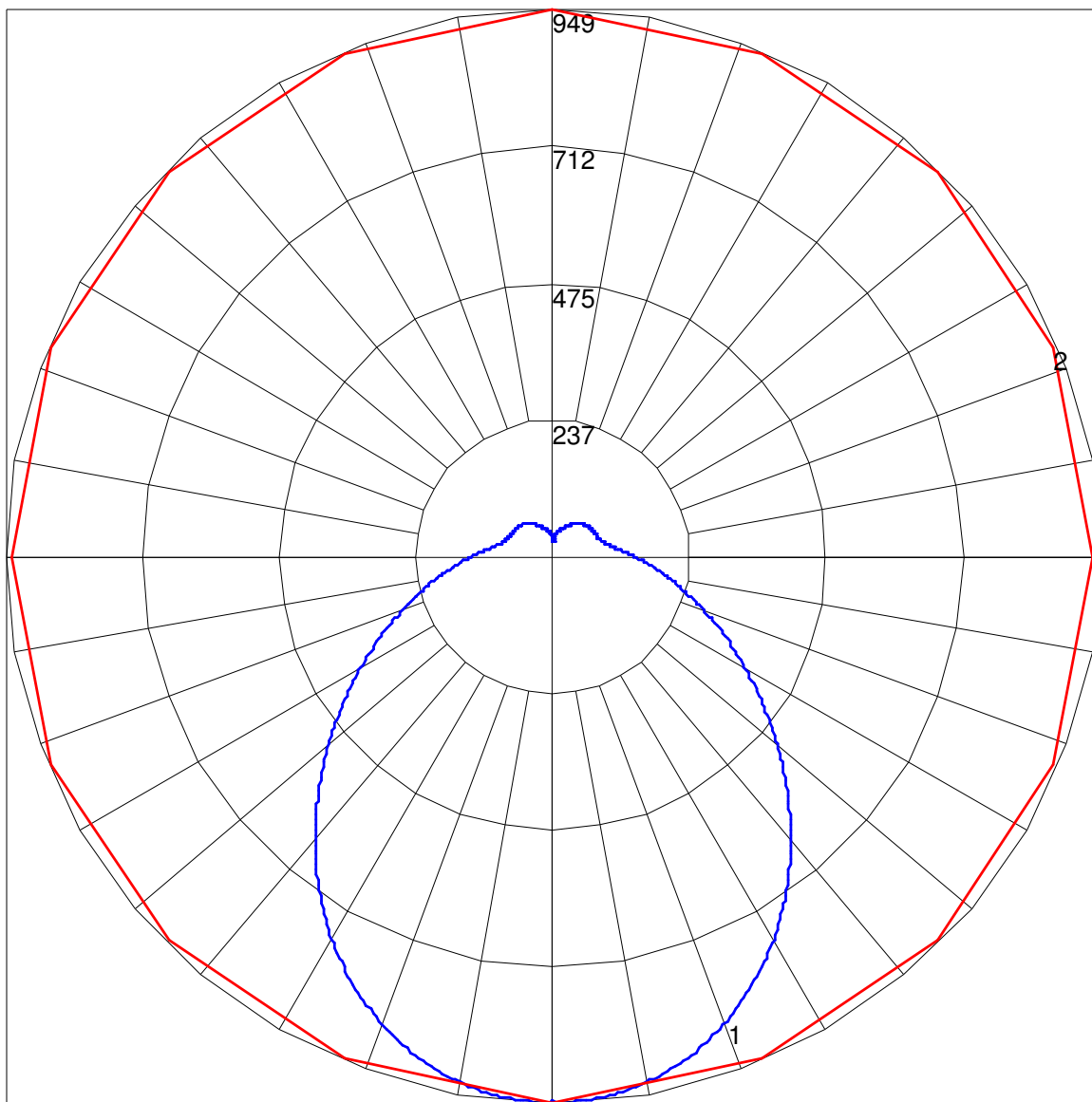
Reflectances

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	15.5	16.9	16.1	17.4	18.0	17.2	18.5	17.7	19.1	19.7
	3H	16.9	18.1	17.4	18.7	19.3	19.4	20.6	19.9	21.2	21.8
	4H	17.3	18.5	17.9	19.1	19.7	20.4	21.6	21.0	22.2	22.9
	6H	17.6	18.7	18.2	19.3	20.0	21.6	22.6	22.2	23.2	23.9
	8H	17.7	18.7	18.3	19.3	20.0	22.1	23.2	22.8	23.8	24.5
	12H	17.7	18.7	18.3	19.3	20.0	22.8	23.8	23.4	24.4	25.1
4H	2H	16.2	17.4	16.8	18.0	18.7	17.6	18.7	18.2	19.3	20.0
	3H	17.8	18.8	18.4	19.4	20.1	20.0	21.0	20.6	21.6	22.3
	4H	18.4	19.3	19.0	19.9	20.7	21.3	22.1	21.9	22.8	23.5
	6H	18.8	19.6	19.5	20.3	21.0	22.6	23.4	23.2	24.0	24.8
	8H	18.9	19.7	19.6	20.3	21.1	23.3	24.0	23.9	24.7	25.4
	12H	19.0	19.7	19.7	20.4	21.1	24.1	24.7	24.7	25.4	26.2
8H	4H	19.0	19.7	19.6	20.4	21.1	21.4	22.2	22.1	22.8	23.6
	6H	19.6	20.2	20.2	20.9	21.6	22.9	23.6	23.6	24.3	25.0
	8H	19.8	20.3	20.4	21.0	21.8	23.8	24.4	24.5	25.1	25.8
	12H	19.9	20.4	20.6	21.1	21.9	24.8	25.3	25.5	26.0	26.8
12H	4H	19.1	19.8	19.8	20.5	21.2	21.4	22.1	22.1	22.8	23.6
	6H	19.8	20.4	20.5	21.1	21.9	23.0	23.6	23.7	24.2	25.0
	8H	20.1	20.6	20.8	21.3	22.1	23.9	24.4	24.6	25.1	25.9

Maximum UGR = 26.8

POLAR GRAPH



Maximum Candela = 949.423 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.)