

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L30-950-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-L30-950-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	2595
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
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	5694	5101	5050
55	4931	4367	4434
65	4145	3740	3951
75	3324	3267	3693
85	2438	3214	3902

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L30-950-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	839.941	839.941	839.941	839.941	839.941
0.5	835.958	839.144	839.675	839.410	844.987
1.0	835.958	839.410	839.410	839.144	844.721
1.5	835.161	839.410	839.144	838.879	844.987
2.0	834.896	838.613	839.144	838.613	844.190
2.5	834.896	838.613	838.348	838.348	843.659
3.0	834.099	837.817	837.817	837.817	843.128
3.5	833.568	837.020	837.020	837.286	842.597
4.0	833.037	836.489	836.489	836.223	842.065
4.5	831.709	835.692	835.958	835.692	841.269
5.0	830.912	834.896	834.896	834.896	840.472
5.5	829.850	833.833	833.833	834.099	839.410
6.0	829.319	832.506	832.771	832.771	838.348
6.5	827.460	831.443	831.709	831.709	837.020
7.0	826.398	830.116	830.381	830.116	835.958
7.5	825.336	828.522	829.053	829.053	834.630
8.0	824.008	827.460	827.460	827.460	832.771
8.5	822.680	825.601	826.132	826.132	831.178
9.0	820.556	824.273	824.539	824.273	829.319
9.5	819.228	822.415	822.415	822.415	828.257
10.0	817.104	820.290	820.290	820.821	826.132
10.5	815.245	818.431	818.697	818.697	824.273
11.0	813.386	816.572	816.838	816.572	822.149
11.5	810.996	814.448	814.979	814.448	820.290
12.0	808.871	812.058	812.589	812.589	817.900
12.5	806.747	809.668	810.465	809.934	815.776
13.0	804.357	807.544	808.075	807.809	813.386
13.5	801.967	804.888	805.419	805.419	811.261
14.0	799.046	802.233	802.764	802.764	808.340
14.5	796.656	799.577	800.108	800.108	806.216
15.0	794.266	796.922	797.187	797.187	803.029
15.5	791.345	793.735	794.532	794.532	799.843
16.0	788.158	790.814	791.611	791.611	797.187
16.5	785.503	787.627	788.424	788.689	794.266
17.0	781.785	784.175	785.237	785.503	791.079
17.5	778.599	780.988	782.051	782.316	787.893
18.0	775.677	777.802	778.599	779.395	784.972
18.5	772.225	774.615	775.412	775.943	781.520
19.0	768.773	770.632	771.960	772.491	777.802
19.5	764.790	767.445	768.508	769.570	774.350
20.0	760.541	763.462	764.790	765.586	770.632
20.5	756.292	760.010	761.072	762.134	767.180
21.0	752.840	755.761	756.558	758.682	763.462
21.5	748.857	751.778	753.106	754.168	759.479
22.0	744.608	748.060	749.388	750.450	756.027
22.5	740.890	743.280	745.139	746.732	752.043
23.0	736.376	739.031	740.890	742.483	747.794
23.5	731.596	734.517	736.907	738.500	743.811
24.0	726.816	730.002	732.392	734.251	739.562
24.5	722.833	725.488	728.144	729.737	734.782
25.0	718.318	720.974	723.895	725.488	730.534
25.5	713.273	716.459	718.849	721.239	725.488
26.0	708.493	711.414	714.600	716.725	721.505
26.5	703.447	706.368	710.086	711.945	716.990

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L30-950-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	698.402	701.057	705.572	707.962	712.476
27.5	692.560	696.012	700.526	702.651	707.962
28.0	688.311	690.966	695.481	697.871	702.916
28.5	682.734	685.921	690.435	692.825	697.871
29.0	677.423	680.610	685.124	688.045	693.091
29.5	671.847	675.033	679.813	682.734	687.780
30.0	666.270	669.722	674.502	678.220	683.265
30.5	660.428	663.880	669.457	673.174	677.954
31.0	654.851	658.303	663.880	667.863	672.378
31.5	649.009	652.992	658.569	662.818	667.598
32.0	643.433	646.885	653.258	657.241	662.021
32.5	637.325	641.043	647.681	651.930	656.710
33.0	631.483	635.466	641.574	646.619	651.399
33.5	625.906	629.624	636.263	640.777	645.822
34.0	619.267	623.516	630.420	635.466	640.777
34.5	613.160	617.674	624.844	629.624	634.935
35.0	607.583	611.301	619.267	624.313	629.358
35.5	600.413	605.459	613.160	618.471	623.516
36.0	594.837	599.085	607.317	612.628	617.940
36.5	587.932	592.712	601.210	607.052	612.628
37.0	581.559	586.604	595.102	600.944	607.052
37.5	574.920	579.966	589.260	595.633	600.944
38.0	568.281	573.592	582.887	589.525	594.571
38.5	561.377	566.954	576.779	583.949	588.729
39.0	555.269	560.315	570.406	577.841	583.949
39.5	548.365	554.207	564.298	571.733	577.576
40.0	540.929	547.303	557.925	566.157	571.468
40.5	534.025	540.664	551.817	560.315	565.626
41.0	527.652	534.025	545.444	554.207	559.518
41.5	520.747	527.386	539.071	548.099	553.676
42.0	513.843	520.747	532.697	542.257	547.834
42.5	507.204	513.843	526.059	536.150	541.726
43.0	499.769	507.204	519.951	530.307	535.884
43.5	493.396	500.300	513.312	524.200	530.042
44.0	486.226	493.396	506.673	518.358	523.934
44.5	479.587	486.757	500.034	511.984	517.826
45.0	472.683	479.852	493.661	506.408	512.250
45.5	465.778	473.214	487.288	500.566	506.408
46.0	458.874	466.309	480.384	494.192	500.300
46.5	451.970	459.405	474.541	488.881	494.458
47.0	444.800	452.766	467.903	482.508	488.616
47.5	437.895	445.862	461.264	476.400	482.508
48.0	431.256	438.957	454.625	470.824	476.400
48.5	423.821	432.319	448.517	464.450	470.558
49.0	417.182	425.149	441.613	458.343	464.450
49.5	410.278	418.510	435.240	452.501	458.608
50.0	403.108	411.606	428.867	446.127	452.501
50.5	396.469	404.967	422.228	440.816	446.924
51.0	389.565	398.062	416.386	434.709	441.082
51.5	382.926	391.158	409.747	428.867	435.240
52.0	375.756	384.519	403.374	422.759	429.398
52.5	368.852	377.615	397.266	416.651	423.821
53.0	361.682	370.976	390.893	411.340	417.713
53.5	354.777	364.337	384.785	405.232	412.137
54.0	348.139	357.699	378.677	399.390	406.560
54.5	341.765	350.794	372.569	394.079	400.984

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L30-950-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	335.127	344.421	366.462	387.971	395.938
55.5	329.550	337.782	360.354	382.395	389.830
56.0	323.177	331.940	354.512	376.818	384.254
56.5	316.538	325.832	348.404	371.242	378.943
57.0	310.165	319.725	342.562	365.665	373.366
57.5	303.526	313.351	337.517	360.354	367.258
58.0	296.887	306.978	331.674	354.512	362.744
58.5	290.514	300.605	325.832	349.466	357.433
59.0	284.141	294.232	320.256	344.952	351.856
59.5	277.767	288.124	315.210	339.375	347.608
60.0	271.394	281.751	309.634	334.064	342.297
60.5	265.154	275.643	304.057	329.019	336.986
61.0	258.887	269.535	298.480	323.973	331.940
61.5	252.673	263.481	292.904	318.928	327.160
62.0	246.565	257.479	287.593	314.148	322.115
62.5	240.537	251.531	282.016	309.368	317.335
63.0	234.429	245.609	276.705	304.323	313.086
63.5	228.375	239.767	271.660	299.543	308.306
64.0	222.479	234.004	266.349	294.497	303.526
64.5	216.611	228.375	261.303	289.717	298.746
65.0	210.795	222.718	256.231	284.937	294.232
65.5	205.059	217.195	251.212	280.157	289.452
66.0	199.244	211.672	246.246	275.377	284.937
66.5	193.561	206.281	241.307	270.863	280.423
67.0	188.011	200.943	236.394	266.083	275.909
67.5	182.434	195.685	231.588	261.622	271.394
68.0	176.937	190.560	226.808	257.107	267.145
68.5	171.520	185.462	222.134	252.726	262.711
69.0	166.129	180.416	217.514	248.318	258.515
69.5	160.818	175.477	212.946	244.042	254.346
70.0	155.534	170.617	208.458	239.847	250.203
70.5	150.382	165.811	203.971	235.651	246.114
71.0	145.284	161.057	199.562	231.508	242.077
71.5	140.238	156.410	195.260	227.472	238.094
72.0	135.299	151.736	190.958	223.462	234.217
72.5	130.333	147.222	186.763	219.532	230.366
73.0	125.500	142.734	182.594	215.655	226.489
73.5	120.800	138.299	178.557	211.804	222.718
74.0	116.152	133.998	174.468	208.087	218.921
74.5	111.585	129.669	170.564	204.395	215.336
75.0	107.044	125.447	166.687	200.784	211.857
75.5	102.583	121.331	162.863	197.199	208.326
76.0	98.254	117.294	159.145	193.641	204.873
76.5	93.952	113.311	155.454	190.162	201.421
77.0	89.703	109.354	151.816	186.710	198.075
77.5	85.534	105.504	148.231	183.364	194.756
78.0	81.418	101.733	144.752	180.071	191.490
78.5	77.382	98.015	141.300	176.751	188.250
79.0	73.425	94.404	137.954	173.538	185.063
79.5	69.495	90.819	134.661	170.405	181.877
80.0	65.618	87.287	131.369	167.298	178.849
80.5	61.847	83.861	128.182	164.164	175.769
81.0	58.182	80.489	125.128	161.137	172.768
81.5	54.465	77.196	122.074	158.136	169.767
82.0	50.880	73.983	119.100	155.242	166.873
82.5	47.374	70.823	116.179	152.347	164.031

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L30-950-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	43.922	67.742	113.311	149.559	161.270
83.5	40.497	64.742	110.576	146.717	158.402
84.0	37.151	61.821	107.920	144.035	155.667
84.5	33.831	59.006	105.318	141.380	152.985
85.0	30.645	56.270	102.769	138.751	150.302
85.5	27.458	53.668	100.272	136.202	147.700
86.0	24.325	51.172	97.829	133.705	145.124
86.5	21.218	48.835	95.519	131.209	142.548
87.0	18.164	46.578	93.182	128.846	140.026
87.5	15.110	44.480	90.978	126.456	137.609
88.0	12.083	42.435	88.801	124.146	135.166
88.5	9.029	40.523	86.703	121.862	132.803
89.0	6.240	38.717	84.711	119.658	130.466
89.5	3.957	37.045	82.773	117.533	128.182
90.0	2.363	35.557	80.993	115.515	126.084
90.5	1.673	34.256	79.347	113.497	123.853
91.0	1.779	33.061	77.674	111.452	121.729
91.5	2.124	31.919	76.001	109.514	119.605
92.0	2.523	30.963	74.408	107.549	117.533
92.5	2.948	30.140	73.053	105.663	115.489
93.0	3.373	29.423	71.646	103.884	113.523
93.5	3.824	28.866	70.318	102.131	111.665
94.0	4.302	28.388	69.070	100.485	109.859
94.5	4.753	28.042	67.902	98.812	108.000
95.0	5.205	27.777	66.813	97.165	106.221
95.5	5.630	27.591	65.804	95.599	104.468
96.0	5.975	27.511	64.927	94.085	102.742
96.5	6.320	27.511	64.051	92.678	101.149
97.0	6.639	27.538	63.254	91.323	99.555
97.5	6.984	27.644	62.511	90.022	98.095
98.0	7.276	27.750	61.847	88.747	96.608
98.5	7.621	27.883	61.289	87.526	95.227
99.0	7.967	28.042	60.705	86.384	93.873
99.5	8.338	28.228	60.201	85.295	92.545
100.0	8.657	28.414	59.802	84.286	91.350
100.5	9.029	28.627	59.404	83.304	90.128
101.0	9.347	28.839	59.112	82.374	89.040
101.5	9.666	29.051	58.820	81.498	87.924
102.0	9.958	29.264	58.607	80.675	86.942
102.5	10.250	29.476	58.395	79.905	85.959
103.0	10.542	29.715	58.236	79.135	85.083
103.5	10.861	29.954	58.103	78.471	84.180
104.0	11.206	30.167	57.970	77.860	83.357
104.5	11.552	30.406	57.890	77.276	82.587
105.0	11.870	30.645	57.811	76.745	81.843
105.5	12.162	30.857	57.731	76.187	81.206
106.0	12.507	31.123	57.704	75.709	80.568
106.5	12.826	31.362	57.704	75.257	79.931
107.0	13.145	31.627	57.704	74.833	79.400
107.5	13.437	31.840	57.704	74.514	78.842
108.0	13.809	32.105	57.704	74.142	78.285
108.5	14.154	32.371	57.731	73.877	77.913
109.0	14.499	32.583	57.784	73.531	77.541
109.5	14.871	32.822	57.811	73.292	77.143
110.0	15.243	33.061	57.864	73.027	76.824
110.5	15.614	33.300	57.917	72.788	76.532

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L30-950-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

111.0	15.986	33.539	57.943	72.575	76.213
111.5	16.358	33.752	57.970	72.416	75.948
112.0	16.756	33.991	58.023	72.257	75.629
112.5	17.155	34.230	58.076	72.071	75.337
113.0	17.580	34.469	58.156	71.938	75.204
113.5	17.978	34.681	58.156	71.805	75.018
114.0	18.403	34.894	58.209	71.699	74.833
114.5	18.801	35.133	58.262	71.566	74.673
115.0	19.226	35.318	58.315	71.487	74.540
115.5	19.651	35.557	58.315	71.407	74.408
116.0	20.049	35.770	58.395	71.301	74.248
116.5	20.421	35.982	58.448	71.194	74.195
117.0	20.846	36.221	58.501	71.194	74.062
117.5	21.244	36.407	58.554	71.088	73.983
118.0	21.589	36.593	58.607	71.035	73.877
118.5	21.988	36.779	58.634	70.955	73.850
119.0	22.333	36.965	58.687	70.876	73.691
119.5	22.705	37.098	58.740	70.796	73.664
120.0	23.050	37.230	58.714	70.743	73.531
120.5	23.395	37.390	58.740	70.637	73.505
121.0	23.740	37.496	58.793	70.557	73.399
121.5	24.112	37.629	58.767	70.451	73.345
122.0	24.457	37.788	58.767	70.398	73.266
122.5	24.803	37.947	58.793	70.292	73.080
123.0	25.148	38.107	58.767	70.185	73.053
123.5	25.466	38.239	58.714	70.106	72.894
124.0	25.732	38.346	58.714	70.026	72.867
124.5	25.998	38.452	58.714	69.893	72.761
125.0	26.263	38.585	58.660	69.761	72.655
125.5	26.529	38.664	58.607	69.681	72.522
126.0	26.768	38.771	58.581	69.522	72.416
126.5	26.980	38.903	58.528	69.415	72.336
127.0	27.219	38.956	58.475	69.283	72.230
127.5	27.405	39.036	58.395	69.150	72.044
128.0	27.644	39.036	58.368	68.990	71.938
128.5	27.830	39.089	58.262	68.858	71.832
129.0	28.016	39.142	58.156	68.725	71.699
129.5	28.175	39.222	57.970	68.512	71.540
130.0	28.308	39.275	57.784	68.380	71.380
130.5	28.441	39.328	57.572	68.220	71.194
131.0	28.520	39.408	57.359	67.981	71.009
131.5	28.627	39.488	57.147	67.769	70.823
132.0	28.733	39.567	56.908	67.636	70.663
132.5	28.786	39.594	56.642	67.371	70.424
133.0	28.866	39.620	56.536	67.132	70.132
133.5	28.892	39.594	56.377	66.946	70.000
134.0	28.919	39.541	56.270	66.733	69.814
134.5	28.998	39.434	56.138	66.494	69.468
135.0	29.078	39.355	55.978	66.176	69.203
135.5	29.051	39.142	55.846	65.963	68.990
136.0	29.105	39.116	55.660	65.698	68.725
136.5	29.158	39.036	55.527	65.405	68.459
137.0	29.184	38.903	55.314	65.166	68.167
137.5	29.211	38.771	55.129	64.848	67.902
138.0	29.264	38.691	54.863	64.582	67.583
138.5	29.264	38.585	54.518	64.290	67.344

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L30-950-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

139.0	29.237	38.505	54.120	63.945	66.972
139.5	29.237	38.399	53.642	63.573	66.707
140.0	29.237	38.266	53.110	63.228	66.335
140.5	29.237	38.186	52.632	62.803	65.937
141.0	29.237	38.133	52.101	62.352	65.618
141.5	29.237	38.027	51.570	61.953	65.299
142.0	29.211	37.974	51.066	61.449	64.954
142.5	29.184	37.894	50.535	60.997	64.556
143.0	29.158	37.815	50.030	60.572	64.157
143.5	29.158	37.708	49.446	60.121	63.786
144.0	29.158	37.576	48.941	59.776	63.361
144.5	29.237	37.469	48.437	59.377	62.989
145.0	29.343	37.363	47.879	59.032	62.564
145.5	29.529	37.230	47.374	58.687	62.139
146.0	29.768	37.124	46.896	58.315	61.741
146.5	30.007	37.018	46.498	57.917	61.289
147.0	30.246	36.885	46.047	57.519	60.838
147.5	30.459	36.832	45.702	57.120	60.387
148.0	30.698	36.726	45.330	56.669	59.909
148.5	30.910	36.699	45.038	56.244	59.431
149.0	31.176	36.699	44.719	55.819	59.006
149.5	31.362	36.779	44.427	55.368	58.475
150.0	31.574	36.832	44.135	54.943	57.917
150.5	31.760	36.859	43.816	54.465	57.333
151.0	31.893	36.938	43.391	53.987	56.642
151.5	32.026	36.965	42.940	53.482	56.005
152.0	32.185	37.018	42.515	52.951	55.368
152.5	32.344	37.071	42.117	52.393	54.677
153.0	32.450	37.098	41.692	51.756	54.120
153.5	32.583	37.177	41.240	51.092	53.482
154.0	32.689	37.151	40.842	50.349	52.951
154.5	32.822	37.177	40.497	49.632	52.420
155.0	32.875	37.230	40.151	48.808	52.022
155.5	32.982	37.257	39.806	48.038	51.597
156.0	33.061	37.257	39.567	47.215	51.225
156.5	33.194	37.257	39.328	46.392	50.747
157.0	33.247	37.310	39.089	45.648	50.296
157.5	33.327	37.310	38.930	44.931	49.791
158.0	33.433	37.284	38.850	44.188	49.313
158.5	33.460	37.284	38.744	43.577	48.755
159.0	33.592	37.204	38.664	42.993	48.277
159.5	33.699	37.151	38.532	42.435	47.746
160.0	33.831	37.098	38.399	41.984	47.215
160.5	33.991	37.071	38.293	41.559	46.711
161.0	34.097	36.991	38.266	41.107	46.206
161.5	34.256	36.965	38.213	40.656	45.834
162.0	34.389	36.912	38.293	40.284	45.516
162.5	34.522	36.912	38.346	39.886	45.144
163.0	34.681	36.885	38.372	39.461	44.825
163.5	34.814	36.885	38.425	39.010	44.427
164.0	34.867	36.885	38.478	38.452	44.055
164.5	34.947	36.832	38.425	38.027	43.577
165.0	35.026	36.832	38.346	37.602	43.099
165.5	35.106	36.806	38.266	37.310	42.595
166.0	35.186	36.779	38.213	36.991	41.824
166.5	35.265	36.779	38.133	36.726	41.453

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L30-950-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

167.0	35.372	36.779	38.054	36.487	41.161
167.5	35.425	36.779	37.894	36.274	40.868
168.0	35.504	36.779	37.761	36.062	40.629
168.5	35.664	36.673	37.576	35.876	40.337
169.0	35.743	36.699	37.443	35.690	40.045
169.5	35.876	36.620	37.230	35.478	39.727
170.0	35.929	36.593	37.045	35.212	39.434
170.5	36.009	36.540	36.806	34.920	39.116
171.0	36.062	36.487	36.540	34.601	38.717
171.5	36.142	36.487	36.301	34.309	38.399
172.0	36.274	36.434	36.168	34.017	37.921
172.5	36.354	36.434	36.009	33.699	37.390
173.0	36.460	36.381	35.876	33.406	36.487
173.5	36.593	36.407	35.823	33.114	35.133
174.0	36.699	36.407	35.796	32.875	33.460
174.5	36.779	36.407	35.743	32.636	31.468
175.0	36.938	36.487	35.717	32.450	29.211
175.5	36.991	36.513	35.690	32.371	26.847
176.0	37.098	36.567	35.690	32.291	25.307
176.5	37.124	36.593	35.664	32.291	24.218
177.0	37.230	36.646	35.611	32.211	23.103
177.5	37.257	36.646	35.531	32.185	22.864
178.0	37.363	36.699	35.504	32.158	22.917
178.5	37.416	36.726	35.531	32.105	22.970
179.0	37.469	36.726	35.504	32.026	22.997
179.5	37.522	36.726	35.478	31.999	23.023
180.0	33.645	33.645	33.645	33.645	33.645

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L30-950-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	304.02	N.A.	11.70
0-30	637.03	N.A.	24.50
0-40	1023.3	N.A.	39.40
0-60	1731.81	N.A.	66.70
0-80	2157.52	N.A.	83.10
0-90	2264.59	N.A.	87.30
10-90	2185.33	N.A.	84.20
20-40	719.28	N.A.	27.70
20-50	1099.66	N.A.	42.40
40-70	960.89	N.A.	37.00
60-80	425.72	N.A.	16.40
70-80	173.34	N.A.	6.70
80-90	107.07	N.A.	4.10
90-110	125.05	N.A.	4.80
90-120	177.70	N.A.	6.80
90-130	226.15	N.A.	8.70
90-150	296.90	N.A.	11.40
90-180	330.72	N.A.	12.70
110-180	205.66	N.A.	7.90
0-180	2595.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	79.26
10-20	224.76
20-30	333.01
30-40	386.27
40-50	380.38
50-60	328.12
60-70	252.38
70-80	173.34
80-90	107.07
90-100	68.60
100-110	56.46
110-120	52.65
120-130	48.45
130-140	40.72
140-150	30.03
150-160	19.63
160-170	10.82
170-180	3.37

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L30-950-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-4-L30-950-DIM-UNV_.IES

UGR TABLE - CORRECTED

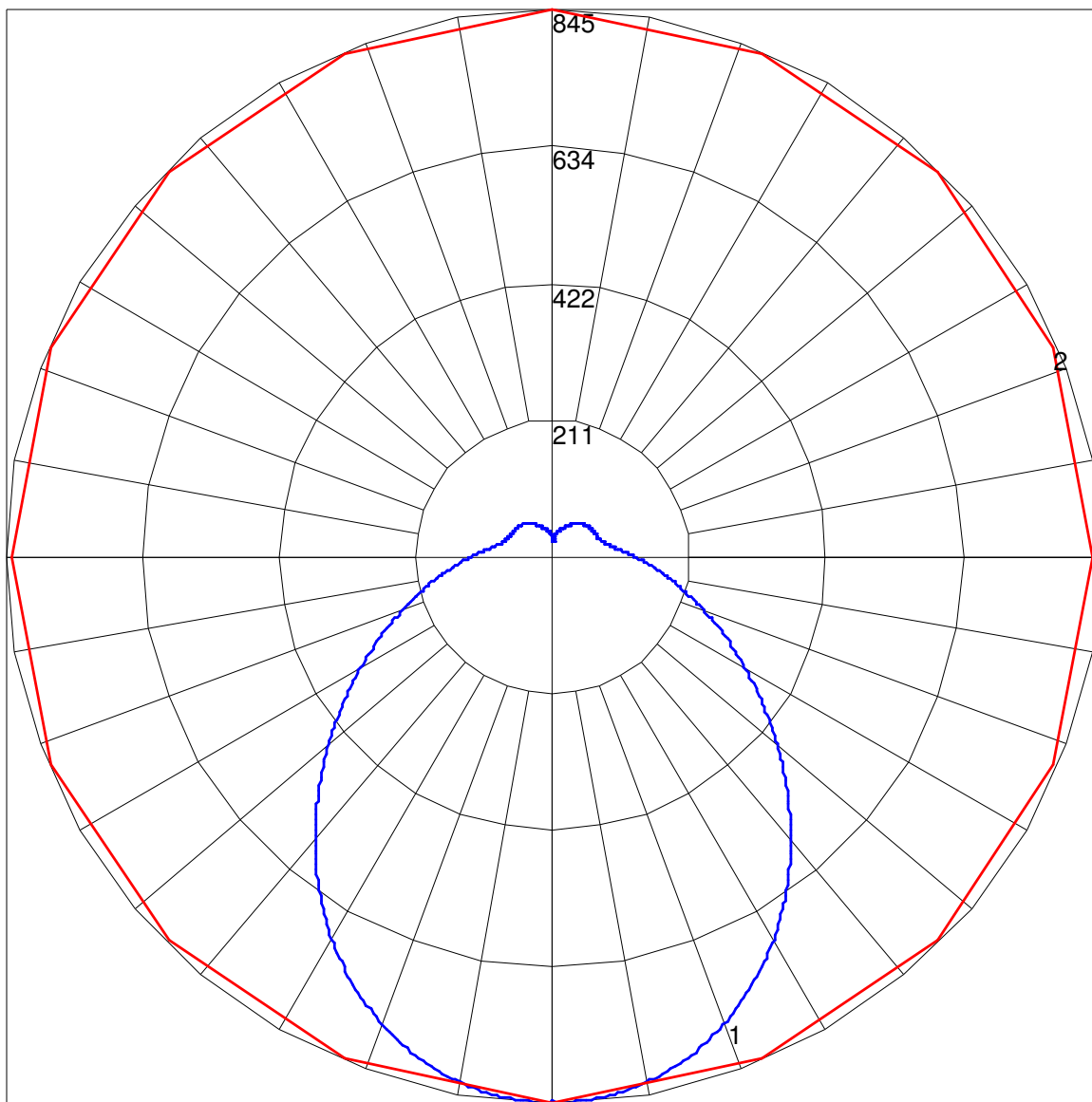
Reflectances

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	15.1	16.5	15.7	17.0	17.6	16.8	18.1	17.3	18.7	19.3
	3H	16.5	17.7	17.0	18.3	18.9	19.0	20.2	19.5	20.8	21.4
	4H	16.9	18.1	17.5	18.7	19.3	20.0	21.2	20.6	21.8	22.5
	6H	17.2	18.3	17.8	18.9	19.6	21.2	22.2	21.8	22.8	23.5
	8H	17.3	18.3	17.9	18.9	19.6	21.7	22.8	22.4	23.4	24.1
	12H	17.3	18.3	17.9	18.9	19.6	22.4	23.4	23.0	24.0	24.7
4H	2H	15.8	17.0	16.4	17.6	18.3	17.2	18.3	17.8	18.9	19.6
	3H	17.4	18.4	18.0	19.0	19.7	19.6	20.6	20.2	21.2	21.9
	4H	18.0	18.9	18.6	19.5	20.3	20.9	21.7	21.5	22.4	23.1
	6H	18.4	19.2	19.1	19.9	20.6	22.2	23.0	22.8	23.6	24.4
	8H	18.5	19.3	19.2	19.9	20.7	22.9	23.6	23.5	24.3	25.0
	12H	18.6	19.3	19.3	20.0	20.7	23.7	24.3	24.3	25.0	25.8
8H	4H	18.6	19.3	19.2	20.0	20.7	21.0	21.8	21.7	22.4	23.2
	6H	19.2	19.8	19.8	20.5	21.2	22.5	23.2	23.2	23.9	24.6
	8H	19.4	19.9	20.0	20.6	21.4	23.4	24.0	24.1	24.7	25.4
	12H	19.5	20.0	20.2	20.7	21.5	24.4	24.9	25.1	25.6	26.4
12H	4H	18.7	19.4	19.4	20.1	20.8	21.0	21.7	21.7	22.4	23.2
	6H	19.4	20.0	20.1	20.7	21.5	22.6	23.2	23.3	23.8	24.6
	8H	19.7	20.2	20.4	20.9	21.7	23.5	24.0	24.2	24.7	25.5

Maximum UGR = 26.4

POLAR GRAPH



Maximum Candela = 844.987 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.)