

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-8-L170-950-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-8-L170-950-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	14416
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	112.4
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)	7.44 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	15945	14220	13987
55	13871	12201	12279
65	11749	10484	10943
75	9577	9207	10228
85	7521	9160	10807

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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	4665.476	4665.476	4665.476	4665.476	4665.476
0.5	4643.350	4661.051	4664.001	4662.526	4693.501
1.0	4643.350	4662.526	4662.526	4661.051	4692.026
1.5	4638.925	4662.526	4661.051	4659.576	4693.501
2.0	4637.450	4658.101	4661.051	4658.101	4689.076
2.5	4637.450	4658.101	4656.626	4656.626	4686.126
3.0	4633.025	4653.675	4653.675	4653.675	4683.176
3.5	4630.075	4649.250	4649.250	4650.725	4680.226
4.0	4627.125	4646.300	4646.300	4644.825	4677.276
4.5	4619.750	4641.875	4643.350	4641.875	4672.851
5.0	4615.325	4637.450	4637.450	4637.450	4668.426
5.5	4609.425	4631.550	4631.550	4633.025	4662.526
6.0	4606.475	4624.175	4625.650	4625.650	4656.626
6.5	4596.150	4618.275	4619.750	4619.750	4649.250
7.0	4590.250	4610.900	4612.375	4610.900	4643.350
7.5	4584.350	4602.050	4605.000	4605.000	4635.975
8.0	4576.975	4596.150	4596.150	4596.150	4625.650
8.5	4569.600	4585.825	4588.775	4588.775	4616.800
9.0	4557.799	4578.450	4579.925	4578.450	4606.475
9.5	4550.424	4568.125	4568.125	4568.125	4600.575
10.0	4538.624	4556.324	4556.324	4559.274	4588.775
10.5	4528.299	4545.999	4547.474	4547.474	4578.450
11.0	4517.974	4535.674	4537.149	4535.674	4566.650
11.5	4504.699	4523.874	4526.824	4523.874	4556.324
12.0	4492.899	4510.599	4513.549	4513.549	4543.049
12.5	4481.099	4497.324	4501.749	4498.799	4531.249
13.0	4467.823	4485.524	4488.474	4486.999	4517.974
13.5	4454.548	4470.773	4473.724	4473.724	4506.174
14.0	4438.323	4456.023	4458.973	4458.973	4489.949
14.5	4425.048	4441.273	4444.223	4444.223	4478.149
15.0	4411.773	4426.523	4427.998	4427.998	4460.448
15.5	4395.548	4408.823	4413.248	4413.248	4442.748
16.0	4377.847	4392.598	4397.023	4397.023	4427.998
16.5	4363.097	4374.897	4379.322	4380.798	4411.773
17.0	4342.447	4355.722	4361.622	4363.097	4394.073
17.5	4324.747	4338.022	4343.922	4345.397	4376.372
18.0	4308.522	4320.322	4324.747	4329.172	4360.147
18.5	4289.347	4302.622	4307.047	4309.997	4340.972
19.0	4270.171	4280.496	4287.872	4290.822	4320.322
19.5	4248.046	4262.796	4268.696	4274.596	4301.147
20.0	4224.446	4240.671	4248.046	4252.471	4280.496
20.5	4200.846	4221.496	4227.396	4233.296	4261.321
21.0	4181.670	4197.896	4202.321	4214.121	4240.671
21.5	4159.545	4175.770	4183.145	4189.045	4218.546
22.0	4135.945	4155.120	4162.495	4168.395	4199.371
22.5	4115.295	4128.570	4138.895	4147.745	4177.245
23.0	4090.219	4104.970	4115.295	4124.145	4153.645
23.5	4063.669	4079.894	4093.169	4102.019	4131.520
24.0	4037.119	4054.819	4068.094	4078.419	4107.920
24.5	4014.994	4029.744	4044.494	4053.344	4081.369
25.0	3989.918	4004.668	4020.894	4029.744	4057.769
25.5	3961.893	3979.593	3992.868	4006.143	4029.744
26.0	3935.343	3951.568	3969.268	3981.068	4007.618
26.5	3907.317	3923.543	3944.193	3954.518	3982.543

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**CANDELA TABULATION - (Cont.)**

27.0	3879.292	3894.042	3919.118	3932.393	3957.468
27.5	3846.842	3866.017	3891.092	3902.892	3932.393
28.0	3823.241	3837.992	3863.067	3876.342	3904.367
28.5	3792.266	3809.966	3835.042	3848.317	3876.342
29.0	3762.766	3780.466	3805.541	3821.766	3849.792
29.5	3731.790	3749.491	3776.041	3792.266	3820.291
30.0	3700.815	3719.990	3746.541	3767.191	3795.216
30.5	3668.365	3687.540	3718.515	3739.166	3765.716
31.0	3637.389	3656.565	3687.540	3709.665	3734.741
31.5	3604.939	3627.064	3658.040	3681.640	3708.190
32.0	3573.964	3593.139	3628.539	3650.665	3677.215
32.5	3540.038	3560.689	3597.564	3621.164	3647.715
33.0	3507.588	3529.713	3563.639	3591.664	3618.214
33.5	3476.613	3497.263	3534.138	3559.214	3587.239
34.0	3439.737	3463.338	3501.688	3529.713	3559.214
34.5	3405.812	3430.887	3470.713	3497.263	3526.763
35.0	3374.837	3395.487	3439.737	3467.763	3495.788
35.5	3335.011	3363.036	3405.812	3435.312	3463.338
36.0	3304.036	3327.636	3373.362	3402.862	3432.362
36.5	3265.685	3292.236	3339.436	3371.887	3402.862
37.0	3230.285	3258.310	3305.511	3337.961	3371.887
37.5	3193.410	3221.435	3273.060	3308.461	3337.961
38.0	3156.534	3186.035	3237.660	3274.536	3302.561
38.5	3118.184	3149.159	3203.735	3243.560	3270.110
39.0	3084.258	3112.284	3168.334	3209.635	3243.560
39.5	3045.908	3078.358	3134.409	3175.709	3208.160
40.0	3004.608	3040.008	3099.009	3144.734	3174.234
40.5	2966.257	3003.133	3065.083	3112.284	3141.784
41.0	2930.857	2966.257	3029.683	3078.358	3107.859
41.5	2892.506	2929.382	2994.282	3044.433	3075.408
42.0	2854.156	2892.506	2958.882	3011.983	3042.958
42.5	2817.281	2854.156	2922.007	2978.057	3009.033
43.0	2775.980	2817.281	2888.081	2945.607	2976.582
43.5	2740.580	2778.930	2851.206	2911.682	2944.132
44.0	2700.754	2740.580	2814.331	2879.231	2910.207
44.5	2663.879	2703.704	2777.455	2843.831	2876.281
45.0	2625.528	2665.354	2742.055	2812.856	2845.306
45.5	2587.178	2628.479	2706.654	2780.405	2812.856
46.0	2548.828	2590.128	2668.304	2745.005	2778.930
46.5	2510.477	2551.778	2635.854	2715.504	2746.480
47.0	2470.652	2514.902	2598.978	2680.104	2714.029
47.5	2432.301	2476.552	2562.103	2646.179	2680.104
48.0	2395.426	2438.201	2525.227	2615.203	2646.179
48.5	2354.126	2401.326	2491.302	2579.803	2613.728
49.0	2317.250	2361.501	2452.952	2545.878	2579.803
49.5	2278.900	2324.625	2417.551	2513.427	2547.353
50.0	2239.074	2286.275	2382.151	2478.027	2513.427
50.5	2202.199	2249.399	2345.275	2448.527	2482.452
51.0	2163.848	2211.049	2312.825	2414.601	2450.002
51.5	2126.973	2172.699	2275.950	2382.151	2417.551
52.0	2087.148	2135.823	2240.549	2348.225	2385.101
52.5	2048.797	2097.473	2206.624	2314.300	2354.126
53.0	2008.972	2060.597	2171.224	2284.800	2320.200
53.5	1970.621	2023.722	2137.298	2250.874	2289.225
54.0	1933.746	1986.847	2103.373	2218.424	2258.249
54.5	1898.346	1948.496	2069.447	2188.924	2227.274

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55.0	1861.470	1913.096	2035.522	2154.998	2199.249
55.5	1830.495	1876.220	2001.597	2124.023	2165.323
56.0	1795.094	1843.770	1969.146	2093.048	2134.348
56.5	1758.219	1809.845	1935.221	2062.072	2104.848
57.0	1722.819	1775.919	1902.771	2031.097	2073.872
57.5	1685.943	1740.519	1874.745	2001.597	2039.947
58.0	1649.068	1705.118	1842.295	1969.146	2014.872
58.5	1613.668	1669.718	1809.845	1941.121	1985.372
59.0	1578.267	1634.318	1778.869	1916.046	1954.396
59.5	1542.867	1600.392	1750.844	1885.070	1930.796
60.0	1507.466	1564.992	1719.869	1855.570	1901.296
60.5	1472.803	1531.067	1688.893	1827.545	1871.795
61.0	1437.993	1497.141	1657.918	1799.520	1843.770
61.5	1403.478	1463.511	1626.943	1771.494	1817.220
62.0	1369.552	1430.176	1597.442	1744.944	1789.194
62.5	1336.069	1397.135	1566.467	1718.394	1762.644
63.0	1302.144	1364.242	1536.967	1690.368	1739.044
63.5	1268.514	1331.792	1508.941	1663.818	1712.494
64.0	1235.768	1299.784	1479.441	1635.793	1685.943
64.5	1203.171	1268.514	1451.416	1609.242	1659.393
65.0	1170.868	1237.096	1423.243	1582.692	1634.318
65.5	1139.007	1206.416	1395.365	1556.142	1607.767
66.0	1106.705	1175.735	1367.782	1529.592	1582.692
66.5	1075.139	1145.792	1340.347	1504.516	1557.617
67.0	1044.311	1116.145	1313.059	1477.966	1532.542
67.5	1013.336	1086.939	1286.361	1453.186	1507.466
68.0	982.803	1058.471	1259.811	1428.110	1483.866
68.5	952.713	1030.151	1233.851	1403.773	1459.233
69.0	922.770	1002.126	1208.186	1379.287	1435.928
69.5	893.270	974.691	1182.815	1355.540	1412.770
70.0	863.917	947.698	1157.888	1332.234	1389.760
70.5	835.302	921.000	1132.960	1308.929	1367.045
71.0	806.981	894.597	1108.475	1285.919	1344.625
71.5	778.956	868.784	1084.579	1263.499	1322.499
72.0	751.521	842.824	1060.684	1241.226	1300.964
72.5	723.938	817.749	1037.379	1219.396	1279.576
73.0	697.093	792.821	1014.221	1197.860	1258.041
73.5	670.985	768.188	991.801	1176.473	1237.096
74.0	645.172	744.293	969.086	1155.823	1216.003
74.5	619.802	720.250	947.403	1135.320	1196.090
75.0	594.579	696.798	925.868	1115.260	1176.768
75.5	569.799	673.935	904.627	1095.347	1157.150
76.0	545.756	651.515	883.977	1075.582	1137.975
76.5	521.861	629.389	863.474	1056.259	1118.800
77.0	498.260	607.412	843.267	1037.084	1100.214
77.5	475.103	586.024	823.354	1018.499	1081.777
78.0	452.240	565.079	804.031	1000.208	1063.634
78.5	429.820	544.428	784.856	981.771	1045.639
79.0	407.842	524.368	766.271	963.923	1027.939
79.5	386.012	504.455	747.981	946.518	1010.238
80.0	364.476	484.838	729.690	929.260	993.423
80.5	343.531	465.810	711.990	911.855	976.313
81.0	323.176	447.077	695.028	895.040	959.645
81.5	302.526	428.787	678.065	878.372	942.978
82.0	282.613	410.939	661.545	862.294	926.900
82.5	263.143	393.387	645.319	846.217	911.117

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**CANDELA TABULATION - (Cont.)**

83.0	243.968	376.277	629.389	830.729	895.777
83.5	224.940	359.609	614.197	814.946	879.847
84.0	206.355	343.384	599.447	800.049	864.654
84.5	187.917	327.749	584.991	785.299	849.757
85.0	170.217	312.556	570.831	770.696	834.859
85.5	152.517	298.101	556.966	756.536	820.404
86.0	135.111	284.236	543.396	742.671	806.096
86.5	117.854	271.255	530.563	728.805	791.789
87.0	100.891	258.718	517.583	715.678	777.776
87.5	83.928	247.065	505.340	702.403	764.353
88.0	67.113	235.708	493.245	689.570	750.783
88.5	50.151	225.087	481.593	676.885	737.656
89.0	34.663	215.057	470.530	664.642	724.675
89.5	21.978	205.765	459.762	652.842	711.990
90.0	13.128	197.505	449.880	641.632	700.338
90.5	9.293	190.277	440.735	630.422	687.947
91.0	9.883	183.639	431.442	619.064	676.147
91.5	11.800	177.297	422.150	608.297	664.347
92.0	14.013	171.987	413.299	597.381	652.842
92.5	16.373	167.414	405.777	586.909	641.484
93.0	18.733	163.432	397.959	577.026	630.569
93.5	21.240	160.334	390.584	567.291	620.244
94.0	23.895	157.679	383.652	558.146	610.214
94.5	26.403	155.762	377.162	548.853	599.889
95.0	28.910	154.287	371.114	539.708	590.006
95.5	31.270	153.254	365.509	531.006	580.271
96.0	33.188	152.812	360.641	522.598	570.684
96.5	35.105	152.812	355.774	514.781	561.834
97.0	36.875	152.959	351.349	507.258	552.983
97.5	38.793	153.549	347.219	500.030	544.871
98.0	40.415	154.139	343.531	492.950	536.611
98.5	42.333	154.877	340.434	486.165	528.941
99.0	44.250	155.762	337.189	479.823	521.418
99.5	46.316	156.794	334.386	473.775	514.043
100.0	48.086	157.827	332.174	468.170	507.406
100.5	50.151	159.007	329.961	462.713	500.620
101.0	51.921	160.187	328.339	457.550	494.573
101.5	53.691	161.367	326.716	452.682	488.378
102.0	55.313	162.547	325.536	448.110	482.920
102.5	56.936	163.727	324.356	443.832	477.463
103.0	58.558	165.054	323.471	439.555	472.595
103.5	60.328	166.382	322.734	435.867	467.580
104.0	62.246	167.562	321.996	432.475	463.008
104.5	64.163	168.889	321.553	429.230	458.730
105.0	65.933	170.217	321.111	426.280	454.600
105.5	67.556	171.397	320.668	423.182	451.060
106.0	69.473	172.872	320.521	420.527	447.520
106.5	71.243	174.199	320.521	418.020	443.980
107.0	73.013	175.674	320.521	415.660	441.030
107.5	74.636	176.854	320.521	413.889	437.932
108.0	76.701	178.329	320.521	411.824	434.835
108.5	78.618	179.804	320.668	410.349	432.770
109.0	80.536	180.984	320.963	408.432	430.705
109.5	82.601	182.312	321.111	407.104	428.492
110.0	84.666	183.639	321.406	405.629	426.722
110.5	86.731	184.967	321.701	404.302	425.100

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**CANDELA TABULATION - (Cont.)**

111.0	88.796	186.295	321.848	403.122	423.330
111.5	90.861	187.475	321.996	402.237	421.855
112.0	93.074	188.802	322.291	401.352	420.085
112.5	95.286	190.130	322.586	400.319	418.462
113.0	97.646	191.457	323.029	399.582	417.725
113.5	99.859	192.637	323.029	398.844	416.692
114.0	102.219	193.817	323.324	398.254	415.660
114.5	104.431	195.145	323.619	397.517	414.774
115.0	106.791	196.177	323.914	397.074	414.037
115.5	109.151	197.505	323.914	396.632	413.299
116.0	111.364	198.685	324.356	396.042	412.414
116.5	113.429	199.865	324.651	395.452	412.119
117.0	115.789	201.192	324.946	395.452	411.382
117.5	118.001	202.225	325.241	394.862	410.939
118.0	119.919	203.257	325.536	394.567	410.349
118.5	122.131	204.290	325.684	394.124	410.202
119.0	124.049	205.322	325.979	393.682	409.317
119.5	126.114	206.060	326.274	393.239	409.169
120.0	128.031	206.797	326.126	392.944	408.432
120.5	129.949	207.682	326.274	392.354	408.284
121.0	131.866	208.272	326.569	391.912	407.694
121.5	133.931	209.010	326.421	391.322	407.399
122.0	135.849	209.895	326.421	391.027	406.957
122.5	137.766	210.780	326.569	390.437	405.924
123.0	139.684	211.665	326.421	389.847	405.777
123.5	141.454	212.402	326.126	389.404	404.892
124.0	142.929	212.992	326.126	388.962	404.744
124.5	144.404	213.582	326.126	388.224	404.154
125.0	145.879	214.320	325.831	387.487	403.564
125.5	147.354	214.762	325.536	387.044	402.827
126.0	148.682	215.352	325.389	386.159	402.237
126.5	149.862	216.090	325.094	385.569	401.794
127.0	151.189	216.385	324.799	384.832	401.204
127.5	152.222	216.827	324.356	384.094	400.172
128.0	153.549	216.827	324.209	383.209	399.582
128.5	154.582	217.122	323.619	382.472	398.992
129.0	155.614	217.417	323.029	381.734	398.254
129.5	156.499	217.860	321.996	380.554	397.369
130.0	157.237	218.155	320.963	379.817	396.484
130.5	157.974	218.450	319.783	378.932	395.452
131.0	158.417	218.892	318.603	377.604	394.419
131.5	159.007	219.335	317.423	376.424	393.387
132.0	159.597	219.777	316.096	375.687	392.502
132.5	159.892	219.925	314.621	374.212	391.174
133.0	160.334	220.072	314.031	372.884	389.552
133.5	160.482	219.925	313.146	371.852	388.814
134.0	160.629	219.630	312.556	370.672	387.782
134.5	161.072	219.040	311.818	369.344	385.864
135.0	161.514	218.597	310.933	367.574	384.389
135.5	161.367	217.417	310.196	366.394	383.209
136.0	161.662	217.270	309.163	364.919	381.734
136.5	161.957	216.827	308.426	363.296	380.259
137.0	162.104	216.090	307.246	361.969	378.637
137.5	162.252	215.352	306.213	360.199	377.162
138.0	162.547	214.910	304.738	358.724	375.392
138.5	162.547	214.320	302.821	357.101	374.064

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

139.0	162.399	213.877	300.608	355.184	371.999
139.5	162.399	213.287	297.953	353.119	370.524
140.0	162.399	212.550	295.003	351.201	368.459
140.5	162.399	212.107	292.348	348.841	366.246
141.0	162.399	211.812	289.398	346.334	364.476
141.5	162.399	211.222	286.448	344.121	362.706
142.0	162.252	210.927	283.646	341.319	360.789
142.5	162.104	210.485	280.696	338.811	358.576
143.0	161.957	210.042	277.893	336.451	356.364
143.5	161.957	209.452	274.648	333.944	354.299
144.0	161.957	208.715	271.845	332.026	351.939
144.5	162.399	208.125	269.043	329.814	349.874
145.0	162.989	207.535	265.945	327.896	347.514
145.5	164.022	206.797	263.143	325.979	345.154
146.0	165.349	206.207	260.488	323.914	342.941
146.5	166.677	205.617	258.275	321.701	340.434
147.0	168.004	204.880	255.768	319.488	337.926
147.5	169.184	204.585	253.850	317.276	335.419
148.0	170.512	203.995	251.785	314.768	332.764
148.5	171.692	203.847	250.163	312.408	330.109
149.0	173.167	203.847	248.393	310.048	327.749
149.5	174.199	204.290	246.770	307.541	324.799
150.0	175.379	204.585	245.148	305.181	321.701
150.5	176.412	204.732	243.378	302.526	318.456
151.0	177.149	205.175	241.018	299.871	314.621
151.5	177.887	205.322	238.510	297.068	311.081
152.0	178.772	205.617	236.150	294.118	307.541
152.5	179.657	205.912	233.938	291.021	303.706
153.0	180.247	206.060	231.578	287.481	300.608
153.5	180.984	206.502	229.070	283.793	297.068
154.0	181.574	206.355	226.857	279.663	294.118
154.5	182.312	206.502	224.940	275.680	291.168
155.0	182.607	206.797	223.022	271.108	288.956
155.5	183.197	206.945	221.105	266.830	286.596
156.0	183.639	206.945	219.777	262.258	284.531
156.5	184.377	206.945	218.450	257.685	281.876
157.0	184.672	207.240	217.122	253.555	279.368
157.5	185.115	207.240	216.237	249.573	276.565
158.0	185.705	207.092	215.795	245.443	273.910
158.5	185.852	207.092	215.205	242.050	270.813
159.0	186.590	206.650	214.762	238.805	268.158
159.5	187.180	206.355	214.025	235.708	265.208
160.0	187.917	206.060	213.287	233.200	262.258
160.5	188.802	205.912	212.697	230.840	259.455
161.0	189.392	205.470	212.550	228.332	256.653
161.5	190.277	205.322	212.255	225.825	254.588
162.0	191.015	205.027	212.697	223.760	252.818
162.5	191.752	205.027	212.992	221.547	250.753
163.0	192.637	204.880	213.140	219.187	248.983
163.5	193.375	204.880	213.435	216.680	246.770
164.0	193.670	204.880	213.730	213.582	244.705
164.5	194.112	204.585	213.435	211.222	242.050
165.0	194.555	204.585	212.992	208.862	239.395
165.5	194.997	204.437	212.550	207.240	236.593
166.0	195.440	204.290	212.255	205.470	232.315
166.5	195.882	204.290	211.812	203.995	230.250

IES INDOOR REPORT  
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CANDELA TABULATION - (Cont.)

167.0	196.472	204.290	211.370	202.667	228.627
167.5	196.767	204.290	210.485	201.487	227.005
168.0	197.210	204.290	209.747	200.307	225.677
168.5	198.095	203.700	208.715	199.275	224.055
169.0	198.537	203.847	207.977	198.242	222.432
169.5	199.275	203.405	206.797	197.062	220.662
170.0	199.570	203.257	205.765	195.587	219.040
170.5	200.012	202.962	204.437	193.965	217.270
171.0	200.307	202.667	202.962	192.195	215.057
171.5	200.750	202.667	201.635	190.572	213.287
172.0	201.487	202.372	200.897	188.950	210.632
172.5	201.930	202.372	200.012	187.180	207.682
173.0	202.520	202.077	199.275	185.557	202.667
173.5	203.257	202.225	198.980	183.934	195.145
174.0	203.847	202.225	198.832	182.607	185.852
174.5	204.290	202.225	198.537	181.279	174.789
175.0	205.175	202.667	198.390	180.247	162.252
175.5	205.470	202.815	198.242	179.804	149.124
176.0	206.060	203.110	198.242	179.362	140.569
176.5	206.207	203.257	198.095	179.362	134.521
177.0	206.797	203.552	197.800	178.919	128.326
177.5	206.945	203.552	197.357	178.772	126.999
178.0	207.535	203.847	197.210	178.624	127.294
178.5	207.830	203.995	197.357	178.329	127.589
179.0	208.125	203.995	197.210	177.887	127.736
179.5	208.420	203.995	197.062	177.739	127.884
180.0	186.885	186.885	186.885	186.885	186.885



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-8-L170-950-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1688.71	N.A.	11.70
0-30	3538.41	N.A.	24.50
0-40	5683.97	N.A.	39.40
0-60	9619.38	N.A.	66.70
0-80	11984.03	N.A.	83.10
0-90	12578.74	N.A.	87.30
10-90	12138.49	N.A.	84.20
20-40	3995.26	N.A.	27.70
20-50	6108.11	N.A.	42.40
40-70	5337.26	N.A.	37.00
60-80	2364.65	N.A.	16.40
70-80	962.80	N.A.	6.70
80-90	594.71	N.A.	4.10
90-110	694.62	N.A.	4.80
90-120	987.05	N.A.	6.80
90-130	1256.18	N.A.	8.70
90-150	1649.13	N.A.	11.40
90-180	1836.99	N.A.	12.70
110-180	1142.37	N.A.	7.90
0-180	14415.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	440.25
10-20	1248.46
20-30	1849.71
30-40	2145.56
40-50	2112.85
50-60	1822.56
60-70	1401.85
70-80	962.80
80-90	594.70
90-100	381.03
100-110	313.59
110-120	292.43
120-130	269.13
130-140	226.16
140-150	166.79
150-160	109.05
160-170	60.08
170-180	18.72

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-8-L170-950-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	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-8-L170-950-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

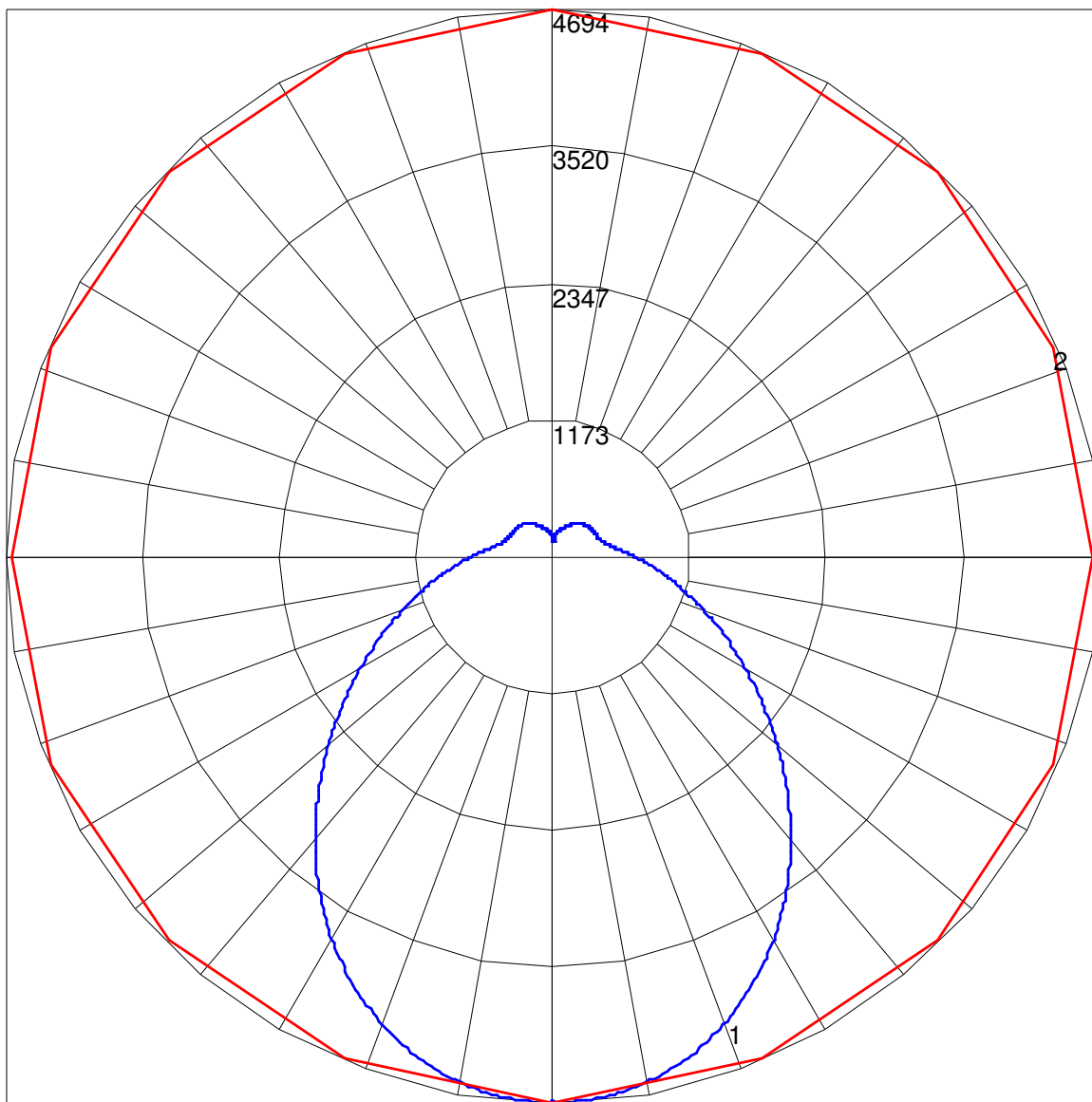
Reflectances

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	18.7	20.1	19.2	20.6	21.2	20.4	21.8	21.0	22.3	22.9
	3H	20.1	21.3	20.6	21.9	22.5	22.6	23.9	23.2	24.4	25.1
	4H	20.5	21.7	21.1	22.2	22.9	23.7	24.9	24.3	25.4	26.1
	6H	20.8	21.9	21.4	22.5	23.2	24.8	25.9	25.4	26.5	27.2
	8H	20.9	21.9	21.5	22.5	23.2	25.4	26.5	26.1	27.1	27.8
	12H	20.9	21.9	21.5	22.5	23.2	26.2	27.1	26.8	27.8	28.5
4H	2H	19.4	20.6	20.0	21.2	21.9	20.8	22.0	21.4	22.6	23.2
	3H	21.0	22.0	21.6	22.6	23.3	23.3	24.2	23.9	24.9	25.6
	4H	21.6	22.5	22.2	23.1	23.9	24.5	25.4	25.1	26.0	26.8
	6H	22.0	22.8	22.7	23.5	24.2	25.9	26.6	26.5	27.3	28.0
	8H	22.1	22.9	22.8	23.5	24.3	26.6	27.3	27.2	28.0	28.7
	12H	22.2	22.9	22.9	23.6	24.3	27.4	28.1	28.1	28.8	29.5
8H	4H	22.2	22.9	22.8	23.6	24.3	24.7	25.4	25.4	26.1	26.9
	6H	22.8	23.4	23.4	24.1	24.8	26.2	26.9	26.9	27.6	28.3
	8H	23.0	23.5	23.7	24.2	25.0	27.1	27.7	27.8	28.4	29.1
	12H	23.1	23.6	23.8	24.3	25.1	28.1	28.6	28.8	29.3	30.1
12H	4H	22.4	23.0	23.0	23.7	24.5	24.7	25.4	25.4	26.1	26.8
	6H	23.0	23.6	23.7	24.3	25.1	26.3	26.8	27.0	27.5	28.3
	8H	23.3	23.8	24.0	24.5	25.3	27.2	27.7	27.9	28.4	29.2

Maximum UGR = 30.1

POLAR GRAPH



Maximum Candela = 4693.501 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.)