

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-8-L170-830-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-8-L170-830-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	16048
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	169
Total Luminaire Watts	94.8
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	17751	15831	15571
55	15442	13583	13669
65	13080	11671	12182
75	10661	10249	11387
85	8373	10198	12031

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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	5193.852	5193.852	5193.852	5193.852	5193.852
0.5	5169.221	5188.926	5192.210	5190.568	5225.051
1.0	5169.221	5190.568	5190.568	5188.926	5223.409
1.5	5164.295	5190.568	5188.926	5187.283	5225.051
2.0	5162.653	5185.641	5188.926	5185.641	5220.125
2.5	5162.653	5185.641	5183.999	5183.999	5216.841
3.0	5157.726	5180.715	5180.715	5180.715	5213.557
3.5	5154.442	5175.789	5175.789	5177.431	5210.272
4.0	5151.158	5172.505	5172.505	5170.863	5206.988
4.5	5142.948	5167.579	5169.221	5167.579	5202.062
5.0	5138.022	5162.653	5162.653	5162.653	5197.136
5.5	5131.453	5156.084	5156.084	5157.726	5190.568
6.0	5128.169	5147.874	5149.516	5149.516	5183.999
6.5	5116.675	5141.306	5142.948	5142.948	5175.789
7.0	5110.106	5133.095	5134.737	5133.095	5169.221
7.5	5103.538	5123.243	5126.527	5126.527	5161.010
8.0	5095.328	5116.675	5116.675	5116.675	5149.516
8.5	5087.118	5105.180	5108.464	5108.464	5139.664
9.0	5073.981	5096.970	5098.612	5096.970	5128.169
9.5	5065.771	5085.475	5085.475	5085.475	5121.601
10.0	5052.634	5072.339	5072.339	5075.623	5108.464
10.5	5041.140	5060.844	5062.487	5062.487	5096.970
11.0	5029.645	5049.350	5050.992	5049.350	5083.833
11.5	5014.867	5036.214	5039.498	5036.214	5072.339
12.0	5001.730	5021.435	5024.719	5024.719	5057.560
12.5	4988.594	5006.656	5011.583	5008.298	5044.424
13.0	4973.815	4993.520	4996.804	4995.162	5029.645
13.5	4959.036	4977.099	4980.383	4980.383	5016.509
14.0	4940.974	4960.679	4963.963	4963.963	4998.446
14.5	4926.195	4944.258	4947.542	4947.542	4985.309
15.0	4911.417	4927.837	4929.479	4929.479	4965.605
15.5	4893.354	4908.132	4913.059	4913.059	4945.900
16.0	4873.649	4890.070	4894.996	4894.996	4929.479
16.5	4857.228	4870.365	4875.291	4876.933	4911.417
17.0	4834.240	4849.018	4855.586	4857.228	4891.712
17.5	4814.535	4829.313	4835.882	4837.524	4872.007
18.0	4796.472	4809.609	4814.535	4819.461	4853.944
18.5	4775.125	4789.904	4794.830	4798.114	4832.597
19.0	4753.778	4765.273	4773.483	4776.767	4809.609
19.5	4729.147	4745.568	4752.136	4758.705	4788.262
20.0	4702.874	4720.937	4729.147	4734.074	4765.273
20.5	4676.601	4699.590	4706.158	4712.727	4743.926
21.0	4655.254	4673.317	4678.243	4691.380	4720.937
21.5	4630.623	4648.686	4656.896	4663.465	4696.306
22.0	4604.350	4625.697	4633.908	4640.476	4674.959
22.5	4581.361	4596.140	4607.635	4617.487	4650.328
23.0	4553.446	4569.867	4581.361	4591.214	4624.055
23.5	4523.889	4541.952	4556.731	4566.583	4599.424
24.0	4494.332	4514.037	4528.815	4540.310	4573.151
24.5	4469.701	4486.122	4502.542	4512.395	4543.594
25.0	4441.786	4458.207	4476.269	4486.122	4517.321
25.5	4410.587	4430.292	4445.070	4459.849	4486.122
26.0	4381.030	4399.092	4418.797	4431.934	4461.491
26.5	4349.830	4367.893	4390.882	4402.376	4433.576

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CANDELA TABULATION - (Cont.)

27.0	4318.631	4335.052	4362.967	4377.745	4405.661
27.5	4282.506	4303.852	4331.768	4344.904	4377.745
28.0	4256.233	4272.653	4300.568	4315.347	4346.546
28.5	4221.749	4241.454	4269.369	4284.148	4315.347
29.0	4188.908	4208.613	4236.528	4254.591	4285.790
29.5	4154.425	4174.129	4203.687	4221.749	4252.948
30.0	4119.941	4141.288	4170.845	4193.834	4225.033
30.5	4083.816	4105.163	4139.646	4162.635	4192.192
31.0	4049.332	4070.679	4105.163	4129.794	4157.709
31.5	4013.207	4037.838	4072.321	4098.594	4128.152
32.0	3978.724	4000.070	4039.480	4064.111	4093.668
32.5	3940.956	3963.945	4004.997	4031.270	4060.827
33.0	3904.831	3929.462	3967.229	3998.428	4027.986
33.5	3870.347	3893.336	3934.388	3962.303	3993.502
34.0	3829.296	3855.569	3898.262	3929.462	3962.303
34.5	3791.528	3819.443	3863.779	3893.336	3926.178
35.0	3757.045	3780.034	3829.296	3860.495	3891.694
35.5	3712.709	3743.908	3791.528	3824.369	3855.569
36.0	3678.226	3704.499	3755.403	3788.244	3821.085
36.5	3635.532	3665.089	3717.635	3753.761	3788.244
37.0	3596.122	3627.322	3679.868	3715.993	3753.761
37.5	3555.071	3586.270	3643.742	3683.152	3715.993
38.0	3514.019	3546.861	3604.333	3645.384	3676.584
38.5	3471.326	3505.809	3566.565	3610.901	3640.458
39.0	3433.558	3464.757	3527.156	3573.134	3610.901
39.5	3390.864	3426.990	3489.388	3535.366	3571.491
40.0	3344.887	3384.296	3449.979	3500.883	3533.724
40.5	3302.193	3343.244	3412.211	3464.757	3497.599
41.0	3262.783	3302.193	3372.802	3426.990	3459.831
41.5	3220.090	3261.141	3333.392	3389.222	3423.706
42.0	3177.396	3220.090	3293.982	3353.097	3387.580
42.5	3136.344	3177.396	3252.931	3315.329	3349.813
43.0	3090.366	3136.344	3215.163	3279.204	3313.687
43.5	3050.957	3093.651	3174.112	3241.436	3277.562
44.0	3006.621	3050.957	3133.060	3205.311	3239.794
44.5	2965.569	3009.905	3092.008	3165.901	3202.027
45.0	2922.876	2967.212	3052.599	3131.418	3167.543
45.5	2880.182	2926.160	3013.189	3095.293	3131.418
46.0	2837.488	2883.466	2970.496	3055.883	3093.651
46.5	2794.795	2840.773	2934.370	3023.042	3057.525
47.0	2750.459	2799.721	2893.319	2983.632	3021.400
47.5	2707.765	2757.027	2852.267	2945.865	2983.632
48.0	2666.714	2714.334	2811.215	2911.381	2945.865
48.5	2620.736	2673.282	2773.448	2871.972	2909.739
49.0	2579.684	2628.946	2730.754	2834.204	2871.972
49.5	2536.990	2587.895	2691.345	2798.079	2835.846
50.0	2492.655	2545.201	2651.935	2758.669	2798.079
50.5	2451.603	2504.149	2610.883	2725.828	2763.595
51.0	2408.909	2461.456	2574.758	2688.060	2727.470
51.5	2367.858	2418.762	2533.706	2651.935	2691.345
52.0	2323.522	2377.710	2494.297	2614.168	2655.219
52.5	2280.828	2335.016	2456.529	2576.400	2620.736
53.0	2236.493	2293.965	2417.120	2543.559	2582.968
53.5	2193.799	2252.913	2379.352	2505.791	2548.485
54.0	2152.747	2211.862	2341.585	2469.666	2514.002
54.5	2113.338	2169.168	2303.817	2436.825	2479.518

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55.0	2072.286	2129.758	2266.050	2399.057	2448.319
55.5	2037.803	2088.707	2228.282	2364.574	2410.551
56.0	1998.393	2052.581	2192.157	2330.090	2376.068
56.5	1957.342	2014.814	2154.389	2295.607	2343.227
57.0	1917.932	1977.046	2118.264	2261.124	2308.743
57.5	1876.880	1937.637	2087.065	2228.282	2270.976
58.0	1835.829	1898.227	2050.939	2192.157	2243.061
58.5	1796.419	1858.818	2014.814	2160.958	2210.220
59.0	1757.010	1819.408	1980.330	2133.042	2175.736
59.5	1717.600	1781.641	1949.131	2098.559	2149.463
60.0	1678.190	1742.231	1914.648	2065.718	2116.622
60.5	1639.602	1704.464	1880.164	2034.519	2083.781
61.0	1600.849	1666.696	1845.681	2003.319	2052.581
61.5	1562.425	1629.257	1811.198	1972.120	2023.024
62.0	1524.657	1592.146	1778.356	1942.563	1991.825
62.5	1487.383	1555.364	1743.873	1913.006	1962.268
63.0	1449.615	1518.746	1711.032	1881.807	1935.995
63.5	1412.176	1482.621	1679.833	1852.249	1906.438
64.0	1375.722	1446.988	1646.991	1821.050	1876.880
64.5	1339.432	1412.176	1615.792	1791.493	1847.323
65.0	1303.471	1377.200	1584.429	1761.936	1819.408
65.5	1268.003	1343.045	1553.394	1732.379	1789.851
66.0	1232.041	1308.890	1522.687	1702.821	1761.936
66.5	1196.901	1275.556	1492.145	1674.906	1734.021
67.0	1162.582	1242.551	1461.766	1645.349	1706.106
67.5	1128.099	1210.038	1432.045	1617.762	1678.190
68.0	1094.108	1178.346	1402.488	1589.847	1651.917
68.5	1060.610	1146.818	1373.587	1562.753	1624.495
69.0	1027.276	1115.619	1345.015	1535.495	1598.550
69.5	994.435	1085.077	1316.772	1509.058	1572.770
70.0	961.757	1055.027	1289.021	1483.113	1547.154
70.5	929.901	1025.305	1261.270	1457.169	1521.866
71.0	898.374	995.912	1234.012	1431.552	1496.906
71.5	867.175	967.176	1207.410	1406.593	1472.276
72.0	836.632	938.276	1180.809	1381.798	1448.301
72.5	805.926	910.361	1154.864	1357.495	1424.491
73.0	776.040	882.610	1129.084	1333.521	1400.517
73.5	746.975	855.187	1104.125	1309.711	1377.200
74.0	718.239	828.586	1078.837	1286.722	1353.718
74.5	689.996	801.820	1054.698	1263.897	1331.551
75.0	661.916	775.712	1030.724	1241.565	1310.039
75.5	634.330	750.260	1007.078	1219.398	1288.200
76.0	607.564	725.300	984.090	1197.394	1266.853
76.5	580.963	700.669	961.265	1175.883	1245.506
77.0	554.690	676.202	938.769	1154.536	1224.816
77.5	528.909	652.392	916.601	1133.846	1204.291
78.0	503.457	629.075	895.090	1113.484	1184.093
78.5	478.498	606.086	873.743	1092.958	1164.060
79.0	454.031	583.754	853.053	1073.090	1144.355
79.5	429.728	561.586	832.691	1053.713	1124.650
80.0	405.754	539.747	812.330	1034.501	1105.931
80.5	382.437	518.564	792.625	1015.125	1086.883
81.0	359.776	497.710	773.741	996.405	1068.328
81.5	336.788	477.348	754.857	977.850	1049.772
82.0	314.620	457.479	736.466	959.951	1031.874
82.5	292.944	437.939	718.403	942.053	1014.304

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83.0	271.598	418.891	700.669	924.811	997.226
83.5	250.415	400.335	683.756	907.241	979.492
84.0	229.725	382.273	667.335	890.656	962.579
84.5	209.199	364.867	651.243	874.235	945.994
85.0	189.494	347.954	635.479	857.979	929.409
85.5	169.790	331.861	620.044	842.215	913.317
86.0	150.413	316.426	604.937	826.780	897.389
86.5	131.201	301.976	590.651	811.344	881.461
87.0	112.317	288.018	576.201	796.730	865.861
87.5	93.434	275.046	562.571	781.951	850.918
88.0	74.714	262.402	549.107	767.665	835.811
88.5	55.830	250.579	536.134	753.544	821.197
89.0	38.589	239.413	523.819	739.915	806.747
89.5	24.467	229.068	511.832	726.778	792.625
90.0	14.614	219.873	500.830	714.298	779.652
90.5	10.345	211.826	490.649	701.819	765.859
91.0	11.002	204.437	480.304	689.175	752.723
91.5	13.137	197.376	469.959	677.188	739.586
92.0	15.600	191.465	460.107	665.036	726.778
92.5	18.227	186.374	451.732	653.378	714.134
93.0	20.854	181.941	443.029	642.376	701.983
93.5	23.646	178.492	434.819	631.538	690.488
94.0	26.601	175.537	427.101	621.357	679.322
94.5	29.393	173.402	419.876	611.012	667.828
95.0	32.184	171.760	413.144	600.832	656.826
95.5	34.812	170.611	406.904	591.143	645.988
96.0	36.946	170.118	401.485	581.784	635.315
96.5	39.081	170.118	396.066	573.081	625.463
97.0	41.052	170.282	391.140	564.706	615.610
97.5	43.186	170.939	386.542	556.660	606.579
98.0	44.993	171.596	382.437	548.778	597.383
98.5	47.127	172.417	378.989	541.225	588.845
99.0	49.262	173.402	375.376	534.164	580.470
99.5	51.561	174.552	372.256	527.431	572.260
100.0	53.531	175.701	369.793	521.191	564.870
100.5	55.830	177.015	367.330	515.116	557.317
101.0	57.801	178.328	365.524	509.369	550.584
101.5	59.771	179.642	363.717	503.950	543.688
102.0	61.577	180.956	362.404	498.859	537.612
102.5	63.384	182.269	361.090	494.097	531.536
103.0	65.190	183.747	360.105	489.335	526.118
103.5	67.160	185.225	359.284	485.230	520.535
104.0	69.295	186.539	358.463	481.453	515.444
104.5	71.430	188.016	357.970	477.841	510.682
105.0	73.400	189.494	357.478	474.557	506.084
105.5	75.207	190.808	356.985	471.108	502.143
106.0	77.341	192.450	356.821	468.153	498.203
106.5	79.312	193.928	356.821	465.361	494.262
107.0	81.282	195.570	356.821	462.734	490.977
107.5	83.088	196.884	356.821	460.763	487.529
108.0	85.387	198.526	356.821	458.465	484.081
108.5	87.522	200.168	356.985	456.822	481.782
109.0	89.657	201.481	357.313	454.688	479.483
109.5	91.956	202.959	357.478	453.210	477.020
110.0	94.255	204.437	357.806	451.568	475.049
110.5	96.553	205.915	358.134	450.090	473.243

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CANDELA TABULATION - (Cont.)

111.0	98.852	207.393	358.299	448.776	471.273
111.5	101.151	208.706	358.463	447.791	469.631
112.0	103.614	210.184	358.791	446.806	467.660
112.5	106.077	211.662	359.120	445.656	465.854
113.0	108.705	213.140	359.612	444.835	465.033
113.5	111.168	214.454	359.612	444.014	463.883
114.0	113.795	215.767	359.941	443.358	462.734
114.5	116.258	217.245	360.269	442.537	461.749
115.0	118.886	218.395	360.597	442.044	460.928
115.5	121.513	219.873	360.597	441.551	460.107
116.0	123.976	221.186	361.090	440.894	459.121
116.5	126.275	222.500	361.419	440.238	458.793
117.0	128.902	223.978	361.747	440.238	457.972
117.5	131.365	225.127	362.075	439.581	457.479
118.0	133.500	226.277	362.404	439.252	456.822
118.5	135.963	227.426	362.568	438.760	456.658
119.0	138.098	228.575	362.896	438.267	455.673
119.5	140.397	229.396	363.225	437.775	455.509
120.0	142.531	230.218	363.061	437.446	454.688
120.5	144.666	231.203	363.225	436.789	454.524
121.0	146.801	231.860	363.553	436.297	453.867
121.5	149.100	232.681	363.389	435.640	453.538
122.0	151.234	233.666	363.389	435.311	453.046
122.5	153.369	234.651	363.553	434.655	451.896
123.0	155.504	235.636	363.389	433.998	451.732
123.5	157.474	236.457	363.061	433.505	450.747
124.0	159.116	237.114	363.061	433.013	450.583
124.5	160.758	237.771	363.061	432.192	449.926
125.0	162.400	238.592	362.732	431.370	449.269
125.5	164.042	239.085	362.404	430.878	448.448
126.0	165.520	239.741	362.240	429.893	447.791
126.5	166.834	240.563	361.911	429.236	447.299
127.0	168.312	240.891	361.583	428.415	446.642
127.5	169.461	241.384	361.090	427.594	445.492
128.0	170.939	241.384	360.926	426.608	444.835
128.5	172.088	241.712	360.269	425.787	444.179
129.0	173.238	242.040	359.612	424.966	443.358
129.5	174.223	242.533	358.463	423.653	442.372
130.0	175.044	242.861	357.313	422.832	441.387
130.5	175.865	243.190	356.000	421.847	440.238
131.0	176.358	243.682	354.686	420.369	439.088
131.5	177.015	244.175	353.372	419.055	437.939
132.0	177.671	244.668	351.895	418.234	436.954
132.5	178.000	244.832	350.252	416.592	435.476
133.0	178.492	244.996	349.596	415.114	433.669
133.5	178.657	244.832	348.610	413.965	432.848
134.0	178.821	244.503	347.954	412.651	431.699
134.5	179.314	243.847	347.133	411.173	429.564
135.0	179.806	243.354	346.147	409.203	427.922
135.5	179.642	242.040	345.326	407.889	426.608
136.0	179.970	241.876	344.177	406.247	424.966
136.5	180.299	241.384	343.356	404.441	423.324
137.0	180.463	240.563	342.042	402.963	421.518
137.5	180.627	239.741	340.893	400.992	419.876
138.0	180.956	239.249	339.251	399.350	417.906
138.5	180.956	238.592	337.116	397.544	416.428

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

139.0	180.791	238.099	334.653	395.409	414.129
139.5	180.791	237.443	331.697	393.110	412.487
140.0	180.791	236.622	328.413	390.976	410.188
140.5	180.791	236.129	325.457	388.348	407.725
141.0	180.791	235.801	322.173	385.557	405.754
141.5	180.791	235.144	318.889	383.094	403.784
142.0	180.627	234.815	315.769	379.974	401.649
142.5	180.463	234.323	312.485	377.182	399.186
143.0	180.299	233.830	309.365	374.555	396.723
143.5	180.299	233.173	305.753	371.764	394.424
144.0	180.299	232.352	302.633	369.629	391.797
144.5	180.791	231.695	299.513	367.166	389.498
145.0	181.448	231.039	296.064	365.031	386.871
145.5	182.598	230.218	292.944	362.896	384.243
146.0	184.075	229.561	289.989	360.597	381.780
146.5	185.553	228.904	287.526	358.134	378.989
147.0	187.031	228.083	284.734	355.671	376.197
147.5	188.345	227.754	282.599	353.208	373.406
148.0	189.823	227.098	280.301	350.417	370.450
148.5	191.136	226.933	278.494	347.789	367.494
149.0	192.778	226.933	276.524	345.162	364.867
149.5	193.928	227.426	274.717	342.371	361.583
150.0	195.242	227.754	272.911	339.743	358.134
150.5	196.391	227.919	270.941	336.788	354.522
151.0	197.212	228.411	268.313	333.832	350.252
151.5	198.033	228.575	265.522	330.712	346.312
152.0	199.018	228.904	262.895	327.428	342.371
152.5	200.004	229.232	260.432	323.979	338.101
153.0	200.660	229.396	257.804	320.038	334.653
153.5	201.481	229.889	255.013	315.933	330.712
154.0	202.138	229.725	252.550	311.336	327.428
154.5	202.959	229.889	250.415	306.902	324.144
155.0	203.288	230.218	248.280	301.812	321.681
155.5	203.944	230.382	246.146	297.050	319.053
156.0	204.437	230.382	244.668	291.959	316.754
156.5	205.258	230.382	243.190	286.869	313.799
157.0	205.587	230.710	241.712	282.271	311.007
157.5	206.079	230.710	240.727	277.837	307.887
158.0	206.736	230.546	240.234	273.240	304.931
158.5	206.900	230.546	239.577	269.463	301.483
159.0	207.721	230.053	239.085	265.850	298.527
159.5	208.378	229.725	238.264	262.402	295.243
160.0	209.199	229.396	237.443	259.610	291.959
160.5	210.184	229.232	236.786	256.983	288.839
161.0	210.841	228.740	236.622	254.192	285.719
161.5	211.826	228.575	236.293	251.400	283.420
162.0	212.647	228.247	236.786	249.101	281.450
162.5	213.468	228.247	237.114	246.638	279.151
163.0	214.454	228.083	237.278	244.011	277.181
163.5	215.275	228.083	237.607	241.219	274.717
164.0	215.603	228.083	237.935	237.771	272.419
164.5	216.096	227.754	237.607	235.144	269.463
165.0	216.588	227.754	237.114	232.516	266.507
165.5	217.081	227.590	236.622	230.710	263.387
166.0	217.574	227.426	236.293	228.740	258.625
166.5	218.066	227.426	235.801	227.098	256.326

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	218.723	227.426	235.308	225.620	254.520
167.5	219.051	227.426	234.323	224.306	252.714
168.0	219.544	227.426	233.502	222.992	251.236
168.5	220.529	226.769	232.352	221.843	249.430
169.0	221.022	226.933	231.531	220.694	247.623
169.5	221.843	226.441	230.218	219.380	245.653
170.0	222.171	226.277	229.068	217.738	243.847
170.5	222.664	225.948	227.590	215.932	241.876
171.0	222.992	225.620	225.948	213.961	239.413
171.5	223.485	225.620	224.470	212.155	237.443
172.0	224.306	225.291	223.649	210.349	234.487
172.5	224.799	225.291	222.664	208.378	231.203
173.0	225.456	224.963	221.843	206.572	225.620
173.5	226.277	225.127	221.515	204.766	217.245
174.0	226.933	225.127	221.350	203.288	206.900
174.5	227.426	225.127	221.022	201.810	194.585
175.0	228.411	225.620	220.858	200.660	180.627
175.5	228.740	225.784	220.694	200.168	166.013
176.0	229.396	226.112	220.694	199.675	156.489
176.5	229.561	226.277	220.529	199.675	149.756
177.0	230.218	226.605	220.201	199.182	142.860
177.5	230.382	226.605	219.708	199.018	141.382
178.0	231.039	226.933	219.544	198.854	141.710
178.5	231.367	227.098	219.708	198.526	142.039
179.0	231.695	227.098	219.544	198.033	142.203
179.5	232.024	227.098	219.380	197.869	142.367
180.0	208.050	208.050	208.050	208.050	208.050

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-8-L170-830-HE-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1879.96	N.A.	11.70
0-30	3939.15	N.A.	24.50
0-40	6327.7	N.A.	39.40
0-60	10708.8	N.A.	66.70
0-80	13341.25	N.A.	83.10
0-90	14003.31	N.A.	87.30
10-90	13513.2	N.A.	84.20
20-40	4447.74	N.A.	27.70
20-50	6799.87	N.A.	42.40
40-70	5941.72	N.A.	37.00
60-80	2632.45	N.A.	16.40
70-80	1071.84	N.A.	6.70
80-90	662.06	N.A.	4.10
90-110	773.29	N.A.	4.80
90-120	1098.83	N.A.	6.80
90-130	1398.45	N.A.	8.70
90-150	1835.9	N.A.	11.40
90-180	2045.03	N.A.	12.70
110-180	1271.74	N.A.	7.90
0-180	16048.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	490.11
10-20	1389.85
20-30	2059.19
30-40	2388.55
40-50	2352.13
50-60	2028.97
60-70	1560.61
70-80	1071.84
80-90	662.06
90-100	424.18
100-110	349.10
110-120	325.55
120-130	299.61
130-140	251.78
140-150	185.68
150-160	121.40
160-170	66.89
170-180	20.84

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-8-L170-830-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

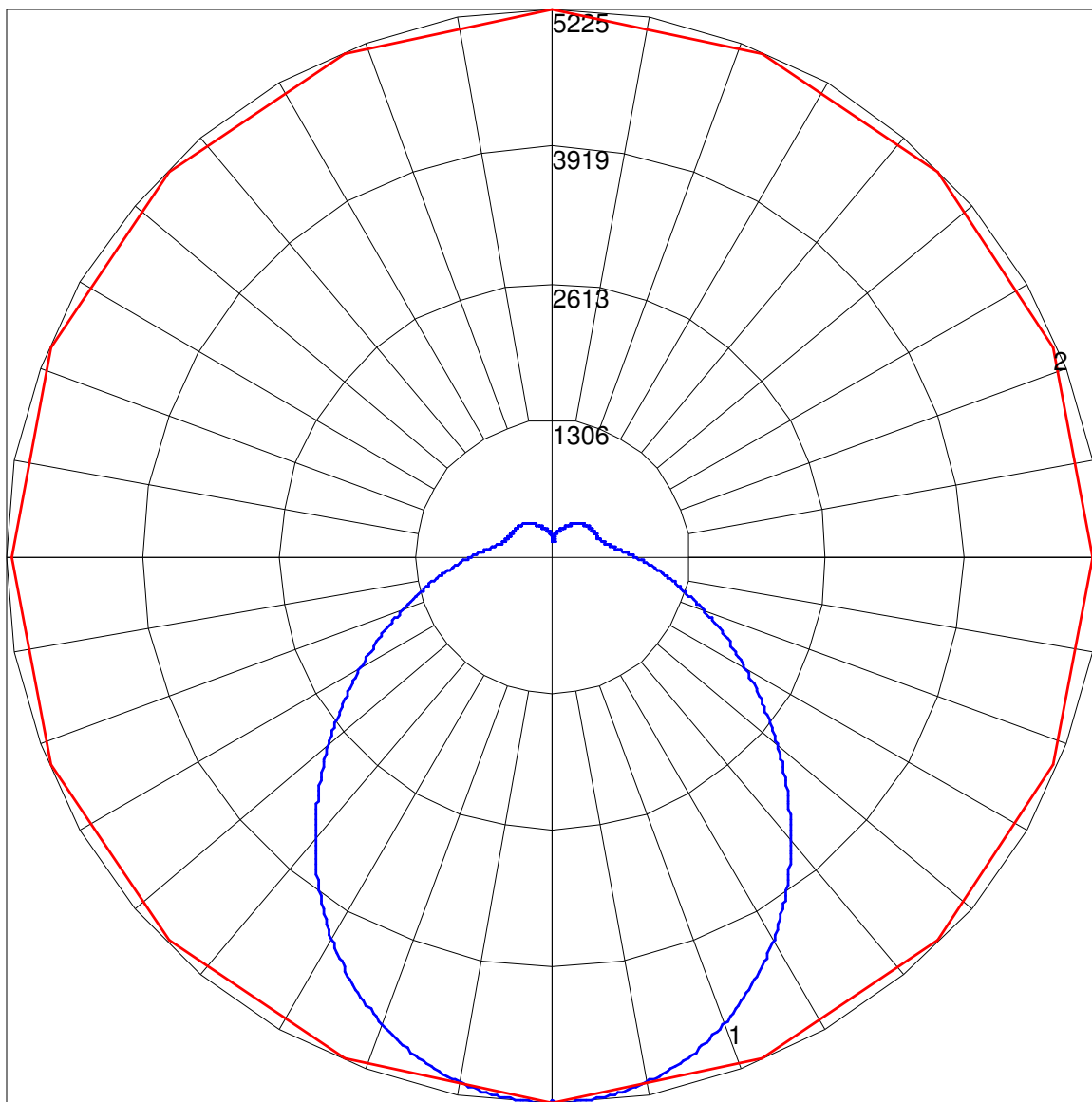
IES INDOOR REPORT
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UGR TABLE - CORRECTED

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	19.5	20.9	21.5	20.7	22.1	21.3	22.6	23.2
	3H	20.4	21.6	20.9	22.2	22.8	22.9	24.2	23.5	24.7	25.4
	4H	20.8	22.0	21.4	22.5	23.2	24.0	25.2	24.6	25.7	26.4
	6H	21.1	22.2	21.7	22.8	23.5	25.1	26.2	25.7	26.8	27.5
	8H	21.2	22.2	21.8	22.8	23.5	25.8	26.8	26.4	27.4	28.1
	12H	21.2	22.2	21.8	22.8	23.5	26.5	27.4	27.1	28.1	28.8
4H	2H	19.7	20.9	20.3	21.5	22.2	21.1	22.3	21.7	22.9	23.5
	3H	21.3	22.3	21.9	23.0	23.6	23.6	24.5	24.2	25.2	25.9
	4H	21.9	22.8	22.5	23.4	24.2	24.8	25.7	25.4	26.3	27.1
	6H	22.3	23.1	23.0	23.8	24.5	26.2	26.9	26.8	27.6	28.3
	8H	22.4	23.2	23.1	23.8	24.6	26.9	27.6	27.5	28.3	29.0
	12H	22.5	23.2	23.2	23.9	24.6	27.7	28.4	28.4	29.1	29.8
8H	4H	22.5	23.2	23.1	23.9	24.6	25.0	25.7	25.7	26.4	27.2
	6H	23.1	23.7	23.7	24.4	25.1	26.5	27.2	27.2	27.9	28.6
	8H	23.3	23.8	24.0	24.5	25.3	27.4	28.0	28.1	28.7	29.4
	12H	23.4	23.9	24.1	24.6	25.4	28.4	28.9	29.1	29.6	30.4
12H	4H	22.7	23.3	23.3	24.0	24.8	25.0	25.7	25.7	26.4	27.1
	6H	23.3	23.9	24.0	24.6	25.4	26.6	27.1	27.3	27.8	28.6
	8H	23.6	24.1	24.3	24.8	25.6	27.5	28.0	28.2	28.7	29.5

Maximum UGR = 30.4

POLAR GRAPH



Maximum Candela = 5225.051 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.)