

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-8-L200-840-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-L200-840-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	19860
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	136.5
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	21967	19591	19269
55	19110	16809	16916
65	16186	14443	15076
75	13193	12684	14091
85	10362	12620	14888

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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	6427.441	6427.441	6427.441	6427.441	6427.441
0.5	6396.960	6421.345	6425.409	6423.377	6466.050
1.0	6396.960	6423.377	6423.377	6421.345	6464.018
1.5	6390.864	6423.377	6421.345	6419.313	6466.050
2.0	6388.832	6417.281	6421.345	6417.281	6459.954
2.5	6388.832	6417.281	6415.249	6415.249	6455.890
3.0	6382.735	6411.184	6411.184	6411.184	6451.826
3.5	6378.671	6405.088	6405.088	6407.120	6447.762
4.0	6374.607	6401.024	6401.024	6398.992	6443.698
4.5	6364.447	6394.928	6396.960	6394.928	6437.601
5.0	6358.351	6388.832	6388.832	6388.832	6431.505
5.5	6350.222	6380.703	6380.703	6382.735	6423.377
6.0	6346.158	6370.543	6372.575	6372.575	6415.249
6.5	6331.934	6362.415	6364.447	6364.447	6405.088
7.0	6323.805	6352.254	6354.286	6352.254	6396.960
7.5	6315.677	6340.062	6344.126	6344.126	6386.800
8.0	6305.517	6331.934	6331.934	6331.934	6372.575
8.5	6295.356	6317.709	6321.773	6321.773	6360.383
9.0	6279.100	6307.549	6309.581	6307.549	6346.158
9.5	6268.939	6293.324	6293.324	6293.324	6338.030
10.0	6252.683	6277.068	6277.068	6281.132	6321.773
10.5	6238.458	6262.843	6264.875	6264.875	6307.549
11.0	6224.234	6248.619	6250.651	6248.619	6291.292
11.5	6205.945	6232.362	6236.426	6232.362	6277.068
12.0	6189.689	6214.073	6218.138	6218.138	6258.779
12.5	6173.432	6195.785	6201.881	6197.817	6242.522
13.0	6155.143	6179.528	6183.592	6181.560	6224.234
13.5	6136.855	6159.208	6163.272	6163.272	6207.977
14.0	6114.502	6138.887	6142.951	6142.951	6185.624
14.5	6096.213	6118.566	6122.630	6122.630	6169.368
15.0	6077.925	6098.245	6100.277	6100.277	6144.983
15.5	6055.572	6073.861	6079.957	6079.957	6120.598
16.0	6031.187	6051.508	6057.604	6057.604	6100.277
16.5	6010.866	6027.123	6033.219	6035.251	6077.925
17.0	5982.417	6000.706	6008.834	6010.866	6053.540
17.5	5958.033	5976.321	5984.449	5986.482	6029.155
18.0	5935.680	5951.936	5958.033	5964.129	6006.802
18.5	5909.263	5927.551	5933.648	5937.712	5980.385
19.0	5882.846	5897.070	5907.231	5911.295	5951.936
19.5	5852.365	5872.686	5880.814	5888.942	5925.519
20.0	5819.852	5842.204	5852.365	5858.461	5897.070
20.5	5787.339	5815.788	5823.916	5832.044	5870.653
21.0	5760.922	5783.274	5789.371	5805.627	5842.204
21.5	5730.441	5752.793	5762.954	5771.082	5811.723
22.0	5697.927	5724.344	5734.505	5742.633	5785.306
22.5	5669.478	5687.767	5701.992	5714.184	5754.825
23.0	5634.933	5655.254	5669.478	5681.671	5722.312
23.5	5598.356	5620.709	5638.997	5651.190	5691.831
24.0	5561.779	5586.163	5604.452	5618.677	5659.318
24.5	5531.298	5551.618	5571.939	5584.131	5622.741
25.0	5496.752	5517.073	5539.426	5551.618	5590.228
25.5	5458.143	5482.528	5500.817	5519.105	5551.618
26.0	5421.566	5443.919	5468.303	5484.560	5521.137
26.5	5382.956	5405.309	5433.758	5447.983	5486.592

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CANDELA TABULATION - (Cont.)

27.0	5344.347	5364.668	5399.213	5417.502	5452.047
27.5	5299.641	5326.058	5360.604	5376.860	5417.502
28.0	5267.128	5287.449	5321.994	5340.283	5378.892
28.5	5224.455	5248.840	5283.385	5301.674	5340.283
29.0	5183.813	5208.198	5242.743	5265.096	5303.706
29.5	5141.140	5165.525	5202.102	5224.455	5263.064
30.0	5098.466	5124.883	5161.461	5189.910	5228.519
30.5	5053.761	5080.178	5122.851	5151.300	5187.878
31.0	5011.087	5037.504	5080.178	5110.659	5145.204
31.5	4966.382	4996.863	5039.536	5072.049	5108.627
32.0	4923.708	4950.125	4998.895	5029.376	5065.953
32.5	4876.971	4905.420	4956.221	4988.735	5025.312
33.0	4832.265	4862.746	4909.484	4948.093	4984.670
33.5	4789.592	4818.041	4868.842	4903.388	4941.997
34.0	4738.790	4771.303	4824.137	4862.746	4903.388
34.5	4692.052	4726.597	4781.463	4818.041	4858.682
35.0	4649.379	4677.828	4738.790	4777.399	4816.009
35.5	4594.513	4633.122	4692.052	4732.694	4771.303
36.0	4551.839	4584.352	4647.347	4687.988	4728.629
36.5	4499.005	4535.583	4600.609	4645.315	4687.988
37.0	4450.236	4488.845	4553.871	4598.577	4645.315
37.5	4399.434	4438.043	4509.166	4557.936	4598.577
38.0	4348.632	4389.274	4460.396	4511.198	4549.807
38.5	4295.798	4338.472	4413.658	4468.524	4505.102
39.0	4249.061	4287.670	4364.889	4421.787	4468.524
39.5	4196.227	4240.932	4318.151	4375.049	4419.755
40.0	4139.329	4188.099	4269.381	4332.376	4373.017
40.5	4086.495	4137.297	4222.644	4287.670	4328.311
41.0	4037.725	4086.495	4173.874	4240.932	4281.574
41.5	3984.891	4035.693	4125.104	4194.195	4236.868
42.0	3932.058	3984.891	4076.335	4149.489	4192.163
42.5	3881.256	3932.058	4025.533	4102.752	4145.425
43.0	3824.358	3881.256	3978.795	4058.046	4100.720
43.5	3775.588	3828.422	3927.993	4011.308	4056.014
44.0	3720.722	3775.588	3877.192	3966.603	4009.276
44.5	3669.920	3724.786	3826.390	3917.833	3962.539
45.0	3617.087	3671.953	3777.620	3875.160	3919.865
45.5	3564.253	3621.151	3728.850	3830.454	3875.160
46.0	3511.419	3568.317	3676.017	3781.684	3828.422
46.5	3458.585	3515.483	3631.311	3741.043	3783.716
47.0	3403.719	3464.681	3580.509	3692.273	3739.011
47.5	3350.885	3411.847	3529.708	3645.536	3692.273
48.0	3300.083	3359.014	3478.906	3602.862	3645.536
48.5	3243.185	3308.212	3432.168	3554.092	3600.830
49.0	3192.384	3253.346	3379.334	3507.355	3554.092
49.5	3139.550	3202.544	3330.565	3462.649	3509.387
50.0	3084.684	3149.710	3281.795	3413.879	3462.649
50.5	3033.882	3098.908	3230.993	3373.238	3419.976
51.0	2981.048	3046.075	3186.288	3326.500	3375.270
51.5	2930.247	2993.241	3135.486	3281.795	3330.565
52.0	2875.381	2942.439	3086.716	3235.057	3285.859
52.5	2822.547	2889.605	3039.978	3188.320	3243.185
53.0	2767.681	2838.803	2991.209	3147.678	3196.448
53.5	2714.847	2788.002	2944.471	3100.941	3153.774
54.0	2664.045	2737.200	2897.733	3056.235	3111.101
54.5	2615.276	2684.366	2850.996	3015.594	3068.427

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55.0	2564.474	2635.596	2804.258	2968.856	3029.818
55.5	2521.800	2584.794	2757.521	2926.182	2983.080
56.0	2473.031	2540.089	2712.815	2883.509	2940.407
56.5	2422.229	2493.351	2666.077	2840.835	2899.765
57.0	2373.459	2446.614	2621.372	2798.162	2857.092
57.5	2322.657	2397.844	2582.762	2757.521	2810.354
58.0	2271.856	2349.074	2538.057	2712.815	2775.809
58.5	2223.086	2300.305	2493.351	2674.206	2735.168
59.0	2174.316	2251.535	2450.678	2639.660	2692.494
59.5	2125.546	2204.797	2412.068	2596.987	2659.981
60.0	2076.777	2156.027	2369.395	2556.345	2619.340
60.5	2029.023	2109.290	2326.721	2517.736	2578.698
61.0	1981.066	2062.552	2284.048	2479.127	2540.089
61.5	1933.516	2016.221	2241.374	2440.517	2503.512
62.0	1886.778	1970.296	2200.733	2403.940	2464.902
62.5	1840.650	1924.778	2158.060	2367.363	2428.325
63.0	1793.912	1879.463	2117.418	2328.753	2395.812
63.5	1747.581	1834.757	2078.809	2292.176	2359.235
64.0	1702.469	1790.661	2038.167	2253.567	2322.657
64.5	1657.560	1747.581	1999.558	2216.990	2286.080
65.0	1613.058	1704.298	1960.745	2180.412	2251.535
65.5	1569.165	1662.031	1922.339	2143.835	2214.958
66.0	1524.663	1619.764	1884.340	2107.258	2180.412
66.5	1481.177	1578.513	1846.543	2072.713	2145.867
67.0	1438.706	1537.668	1808.950	2036.135	2111.322
67.5	1396.033	1497.433	1772.169	2001.996	2076.777
68.0	1353.969	1458.214	1735.592	1967.451	2044.264
68.5	1312.515	1419.198	1699.827	1933.922	2010.328
69.0	1271.264	1380.589	1664.469	1900.190	1978.221
69.5	1230.622	1342.793	1629.518	1867.473	1946.318
70.0	1190.184	1305.606	1595.176	1835.367	1914.617
70.5	1150.762	1268.825	1560.834	1803.260	1883.324
71.0	1111.746	1232.451	1527.101	1771.560	1852.436
71.5	1073.137	1196.890	1494.182	1740.672	1821.955
72.0	1035.340	1161.125	1461.262	1709.988	1792.287
72.5	997.341	1126.580	1429.156	1679.913	1762.822
73.0	960.357	1092.238	1397.252	1650.245	1733.153
73.5	924.389	1058.303	1366.365	1620.780	1704.298
74.0	888.828	1025.383	1335.071	1592.331	1675.239
74.5	853.876	992.260	1305.199	1564.085	1647.806
75.0	819.128	959.950	1275.531	1536.449	1621.186
75.5	784.989	928.453	1246.269	1509.016	1594.160
76.0	751.866	897.566	1217.820	1481.786	1567.743
76.5	718.947	867.085	1189.574	1455.166	1541.326
77.0	686.434	836.807	1161.735	1428.749	1515.722
77.5	654.530	807.342	1134.302	1403.145	1490.321
78.0	623.033	778.486	1107.682	1377.947	1465.326
78.5	592.146	750.037	1081.265	1352.547	1440.535
79.0	561.868	722.401	1055.661	1327.958	1416.150
79.5	531.793	694.968	1030.463	1303.980	1391.766
80.0	502.125	667.942	1005.266	1280.205	1368.600
80.5	473.269	641.728	980.881	1256.226	1345.028
81.0	445.227	615.921	957.512	1233.061	1322.065
81.5	416.778	590.723	934.143	1210.098	1299.103
82.0	389.345	566.135	911.384	1187.949	1276.953
82.5	362.521	541.953	889.031	1165.799	1255.210

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83.0	336.105	518.381	867.085	1144.462	1234.077
83.5	309.891	495.419	846.154	1122.719	1212.130
84.0	284.287	473.066	825.834	1102.195	1191.200
84.5	258.886	451.526	805.919	1081.875	1170.676
85.0	234.501	430.596	786.412	1061.757	1150.152
85.5	210.116	410.682	767.310	1042.249	1130.238
86.0	186.138	391.580	748.615	1023.148	1110.527
86.5	162.362	373.698	730.936	1004.046	1090.816
87.0	138.994	356.425	713.054	985.961	1071.511
87.5	115.625	340.372	696.188	967.672	1053.019
88.0	92.459	324.725	679.525	949.993	1034.324
88.5	69.090	310.094	663.471	932.517	1016.239
89.0	47.754	296.276	648.231	915.651	998.357
89.5	30.278	283.474	633.397	899.395	980.881
90.0	18.085	272.094	619.782	883.951	964.827
90.5	12.802	262.137	607.183	868.507	947.758
91.0	13.615	252.993	594.381	852.860	931.501
91.5	16.257	244.255	581.579	838.026	915.245
92.0	19.305	236.939	569.386	822.989	899.395
92.5	22.556	230.640	559.023	808.561	883.748
93.0	25.807	225.153	548.253	794.946	868.710
93.5	29.262	220.886	538.092	781.535	854.486
94.0	32.920	217.228	528.542	768.936	840.668
94.5	36.374	214.587	519.601	756.134	826.443
95.0	39.829	212.555	511.269	743.535	812.828
95.5	43.080	211.132	503.547	731.546	799.417
96.0	45.722	210.523	496.841	719.963	786.208
96.5	48.363	210.523	490.136	709.193	774.016
97.0	50.802	210.726	484.039	698.829	761.823
97.5	53.443	211.539	478.350	688.872	750.647
98.0	55.679	212.351	473.269	679.118	739.267
98.5	58.320	213.367	469.002	669.771	728.701
99.0	60.962	214.587	464.531	661.033	718.337
99.5	63.807	216.009	460.671	652.701	708.177
100.0	66.246	217.432	457.622	644.979	699.032
100.5	69.090	219.057	454.574	637.461	689.685
101.0	71.529	220.683	452.339	630.348	681.353
101.5	73.967	222.309	450.104	623.643	672.819
102.0	76.203	223.934	448.478	617.343	665.300
102.5	78.438	225.560	446.852	611.450	657.781
103.0	80.673	227.389	445.633	605.557	651.076
103.5	83.112	229.218	444.617	600.477	644.167
104.0	85.753	230.843	443.601	595.803	637.867
104.5	88.395	232.672	442.992	591.333	631.974
105.0	90.834	234.501	442.382	587.269	626.284
105.5	93.069	236.127	441.772	583.001	621.407
106.0	95.711	238.159	441.569	579.343	616.530
106.5	98.149	239.988	441.569	575.889	611.653
107.0	100.588	242.020	441.569	572.638	607.589
107.5	102.823	243.645	441.569	570.199	603.322
108.0	105.668	245.677	441.569	567.354	599.055
108.5	108.309	247.709	441.772	565.322	596.210
109.0	110.951	249.335	442.179	562.680	593.365
109.5	113.796	251.164	442.382	560.852	590.317
110.0	116.641	252.993	442.788	558.820	587.878
110.5	119.486	254.822	443.195	556.991	585.643

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CANDELA TABULATION - (Cont.)

111.0	122.331	256.651	443.398	555.365	583.204
111.5	125.176	258.276	443.601	554.146	581.172
112.0	128.224	260.105	444.008	552.927	578.734
112.5	131.272	261.934	444.414	551.504	576.499
113.0	134.523	263.763	445.024	550.488	575.483
113.5	137.571	265.388	445.024	549.472	574.060
114.0	140.823	267.014	445.430	548.659	572.638
114.5	143.871	268.843	445.836	547.643	571.418
115.0	147.122	270.265	446.243	547.034	570.402
115.5	150.373	272.094	446.243	546.424	569.386
116.0	153.421	273.720	446.852	545.611	568.167
116.5	156.266	275.346	447.259	544.798	567.761
117.0	159.518	277.174	447.665	544.798	566.745
117.5	162.566	278.597	448.072	543.985	566.135
118.0	165.207	280.019	448.478	543.579	565.322
118.5	168.255	281.442	448.681	542.969	565.119
119.0	170.897	282.864	449.088	542.360	563.900
119.5	173.742	283.880	449.494	541.750	563.697
120.0	176.384	284.896	449.291	541.344	562.680
120.5	179.025	286.116	449.494	540.531	562.477
121.0	181.667	286.928	449.901	539.921	561.664
121.5	184.512	287.944	449.697	539.108	561.258
122.0	187.154	289.164	449.697	538.702	560.648
122.5	189.795	290.383	449.901	537.889	559.226
123.0	192.437	291.602	449.697	537.076	559.023
123.5	194.876	292.618	449.291	536.467	557.804
124.0	196.908	293.431	449.291	535.857	557.600
124.5	198.940	294.244	449.291	534.841	556.787
125.0	200.972	295.260	448.885	533.825	555.975
125.5	203.004	295.870	448.478	533.215	554.959
126.0	204.833	296.682	448.275	531.996	554.146
126.5	206.458	297.698	447.868	531.183	553.536
127.0	208.287	298.105	447.462	530.167	552.723
127.5	209.710	298.714	446.852	529.151	551.301
128.0	211.539	298.714	446.649	527.932	550.488
128.5	212.961	299.121	445.836	526.916	549.675
129.0	214.384	299.527	445.024	525.900	548.659
129.5	215.603	300.137	443.601	524.274	547.440
130.0	216.619	300.543	442.179	523.258	546.221
130.5	217.635	300.950	440.553	522.039	544.798
131.0	218.244	301.559	438.927	520.210	543.376
131.5	219.057	302.169	437.302	518.585	541.953
132.0	219.870	302.779	435.473	517.569	540.734
132.5	220.277	302.982	433.441	515.536	538.905
133.0	220.886	303.185	432.628	513.708	536.670
133.5	221.089	302.982	431.409	512.285	535.654
134.0	221.293	302.575	430.596	510.659	534.231
134.5	221.902	301.763	429.580	508.831	531.590
135.0	222.512	301.153	428.361	506.392	529.558
135.5	222.309	299.527	427.345	504.766	527.932
136.0	222.715	299.324	425.922	502.734	525.900
136.5	223.121	298.714	424.906	500.499	523.868
137.0	223.325	297.698	423.280	498.670	521.633
137.5	223.528	296.682	421.858	496.232	519.601
138.0	223.934	296.073	419.826	494.200	517.162
138.5	223.934	295.260	417.184	491.964	515.333

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

139.0	223.731	294.650	414.136	489.323	512.488
139.5	223.731	293.837	410.478	486.478	510.456
140.0	223.731	292.821	406.414	483.836	507.611
140.5	223.731	292.212	402.756	480.585	504.563
141.0	223.731	291.805	398.692	477.130	502.125
141.5	223.731	290.993	394.628	474.082	499.686
142.0	223.528	290.586	390.767	470.221	497.045
142.5	223.325	289.977	386.703	466.767	493.996
143.0	223.121	289.367	382.842	463.515	490.948
143.5	223.121	288.554	378.372	460.061	488.103
144.0	223.121	287.538	374.511	457.419	484.852
144.5	223.731	286.725	370.650	454.371	482.007
145.0	224.544	285.912	366.382	451.729	478.756
145.5	225.966	284.896	362.521	449.088	475.505
146.0	227.795	284.084	358.864	446.243	472.457
146.5	229.624	283.271	355.816	443.195	469.002
147.0	231.453	282.255	352.361	440.147	465.547
147.5	233.079	281.848	349.719	437.098	462.093
148.0	234.907	281.035	346.875	433.644	458.435
148.5	236.533	280.832	344.639	430.393	454.778
149.0	238.565	280.832	342.201	427.141	451.526
149.5	239.988	281.442	339.965	423.687	447.462
150.0	241.613	281.848	337.730	420.436	443.195
150.5	243.036	282.051	335.292	416.778	438.724
151.0	244.052	282.661	332.040	413.120	433.441
151.5	245.068	282.864	328.586	409.259	428.564
152.0	246.287	283.271	325.335	405.195	423.687
152.5	247.506	283.677	322.286	400.928	418.403
153.0	248.319	283.880	319.035	396.051	414.136
153.5	249.335	284.490	315.581	390.970	409.259
154.0	250.148	284.287	312.533	385.281	405.195
154.5	251.164	284.490	309.891	379.794	401.131
155.0	251.570	284.896	307.249	373.495	398.083
155.5	252.383	285.100	304.607	367.602	394.831
156.0	252.993	285.100	302.779	361.302	391.987
156.5	254.009	285.100	300.950	355.003	388.329
157.0	254.415	285.506	299.121	349.313	384.874
157.5	255.025	285.506	297.902	343.826	381.013
158.0	255.838	285.303	297.292	338.137	377.356
158.5	256.041	285.303	296.479	333.463	373.088
159.0	257.057	284.693	295.870	328.992	369.431
159.5	257.870	284.287	294.854	324.725	365.366
160.0	258.886	283.880	293.837	321.270	361.302
160.5	260.105	283.677	293.025	318.019	357.441
161.0	260.918	283.068	292.821	314.565	353.580
161.5	262.137	282.864	292.415	311.110	350.735
162.0	263.153	282.458	293.025	308.265	348.297
162.5	264.169	282.458	293.431	305.217	345.452
163.0	265.388	282.255	293.634	301.966	343.014
163.5	266.405	282.255	294.041	298.511	339.965
164.0	266.811	282.255	294.447	294.244	337.121
164.5	267.421	281.848	294.041	290.993	333.463
165.0	268.030	281.848	293.431	287.741	329.805
165.5	268.640	281.645	292.821	285.506	325.944
166.0	269.249	281.442	292.415	283.068	320.051
166.5	269.859	281.442	291.805	281.035	317.206

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	270.672	281.442	291.196	279.207	314.971
167.5	271.078	281.442	289.977	277.581	312.736
168.0	271.688	281.442	288.961	275.955	310.907
168.5	272.907	280.629	287.538	274.533	308.672
169.0	273.517	280.832	286.522	273.110	306.436
169.5	274.533	280.223	284.896	271.485	303.998
170.0	274.939	280.019	283.474	269.453	301.763
170.5	275.549	279.613	281.645	267.217	299.324
171.0	275.955	279.207	279.613	264.779	296.276
171.5	276.565	279.207	277.784	262.544	293.837
172.0	277.581	278.800	276.768	260.308	290.180
172.5	278.191	278.800	275.549	257.870	286.116
173.0	279.003	278.394	274.533	255.635	279.207
173.5	280.019	278.597	274.126	253.399	268.843
174.0	280.832	278.597	273.923	251.570	256.041
174.5	281.442	278.597	273.517	249.742	240.800
175.0	282.661	279.207	273.314	248.319	223.528
175.5	283.068	279.410	273.110	247.709	205.442
176.0	283.880	279.816	273.110	247.100	193.656
176.5	284.084	280.019	272.907	247.100	185.325
177.0	284.896	280.426	272.501	246.490	176.790
177.5	285.100	280.426	271.891	246.287	174.961
178.0	285.912	280.832	271.688	246.084	175.368
178.5	286.319	281.035	271.891	245.677	175.774
179.0	286.725	281.035	271.688	245.068	175.977
179.5	287.132	281.035	271.485	244.865	176.181
180.0	257.463	257.463	257.463	257.463	257.463

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2326.47	N.A.	11.70
0-30	4874.73	N.A.	24.50
0-40	7830.58	N.A.	39.40
0-60	13252.24	N.A.	66.70
0-80	16509.93	N.A.	83.10
0-90	17329.23	N.A.	87.30
10-90	16722.71	N.A.	84.20
20-40	5504.12	N.A.	27.70
20-50	8414.9	N.A.	42.40
40-70	7352.94	N.A.	37.00
60-80	3257.69	N.A.	16.40
70-80	1326.41	N.A.	6.70
80-90	819.30	N.A.	4.10
90-110	956.95	N.A.	4.80
90-120	1359.81	N.A.	6.80
90-130	1730.59	N.A.	8.70
90-150	2271.95	N.A.	11.40
90-180	2530.74	N.A.	12.70
110-180	1573.79	N.A.	7.90
0-180	19859.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	606.52
10-20	1719.95
20-30	2548.26
30-40	2955.85
40-50	2910.79
50-60	2510.87
60-70	1931.27
70-80	1326.41
80-90	819.30
90-100	524.93
100-110	432.02
110-120	402.87
120-130	370.78
130-140	311.58
140-150	229.78
150-160	150.24
160-170	82.78
170-180	25.78

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-8-L200-840-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-L200-840-DIM-UNV_.IES

UGR TABLE - CORRECTED

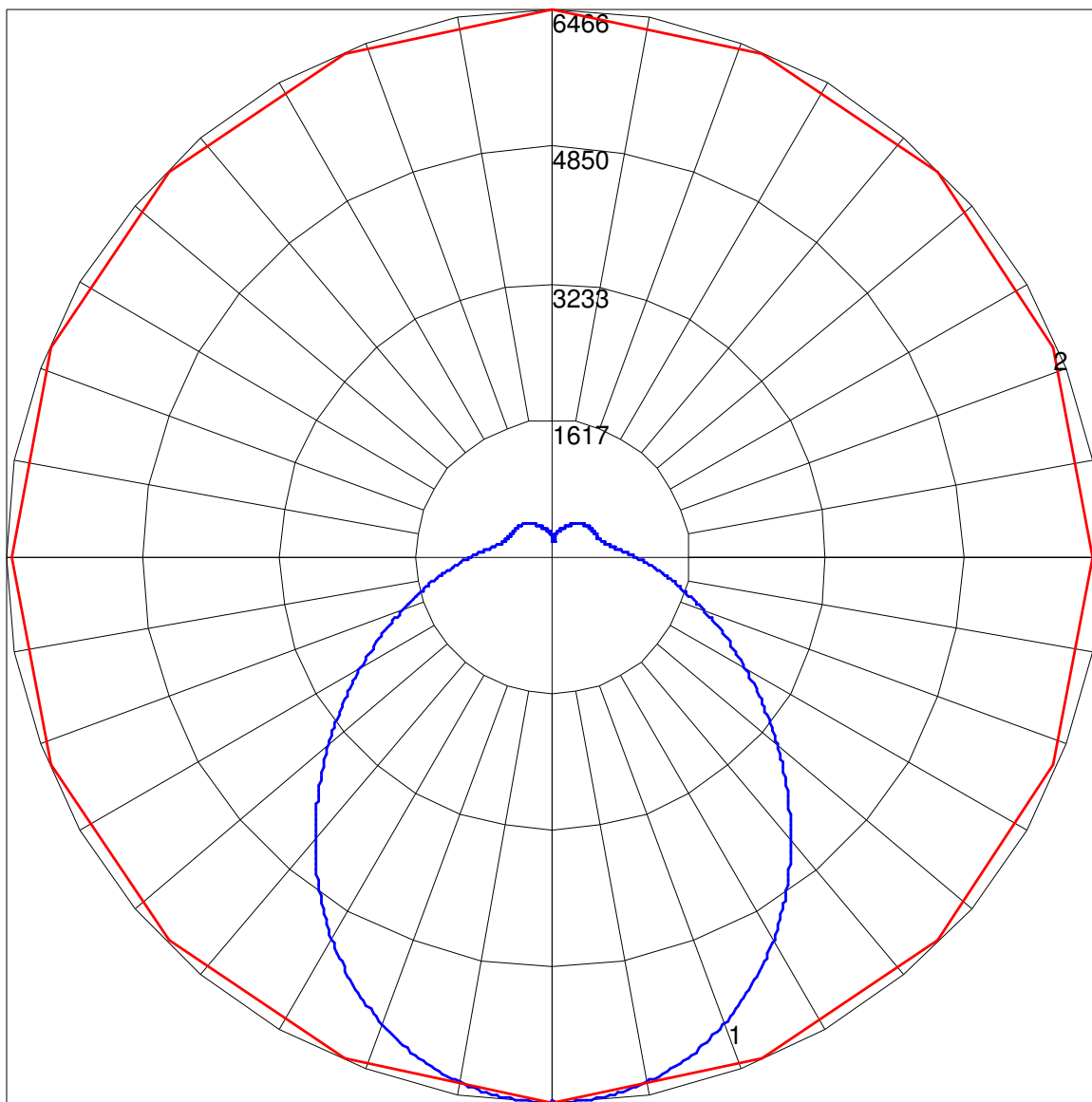
Reflectances

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	19.8	21.2	20.3	21.7	22.3	21.5	22.9	22.1	23.4	24.0
	3H	21.2	22.4	21.7	23.0	23.6	23.7	25.0	24.3	25.5	26.2
	4H	21.6	22.8	22.2	23.3	24.0	24.8	26.0	25.4	26.5	27.2
	6H	21.9	23.0	22.5	23.6	24.3	25.9	27.0	26.5	27.6	28.3
	8H	22.0	23.0	22.6	23.6	24.3	26.6	27.6	27.2	28.2	28.9
	12H	22.0	23.0	22.6	23.6	24.3	27.3	28.2	27.9	28.9	29.6
4H	2H	20.5	21.7	21.1	22.3	23.0	21.9	23.1	22.5	23.7	24.3
	3H	22.1	23.1	22.7	23.8	24.4	24.4	25.3	25.0	26.0	26.7
	4H	22.7	23.6	23.3	24.2	25.0	25.6	26.5	26.2	27.1	27.9
	6H	23.1	23.9	23.8	24.6	25.3	27.0	27.7	27.6	28.4	29.1
	8H	23.2	24.0	23.9	24.6	25.4	27.7	28.4	28.3	29.1	29.8
	12H	23.3	24.0	24.0	24.7	25.4	28.5	29.2	29.2	29.9	30.6
8H	4H	23.3	24.0	23.9	24.7	25.4	25.8	26.5	26.5	27.2	28.0
	6H	23.9	24.5	24.5	25.2	25.9	27.3	28.0	28.0	28.7	29.4
	8H	24.1	24.6	24.8	25.3	26.1	28.2	28.8	28.9	29.5	30.2
	12H	24.2	24.7	24.9	25.4	26.2	29.2	29.7	29.9	30.4	31.2
12H	4H	23.5	24.1	24.1	24.8	25.6	25.8	26.5	26.5	27.2	27.9
	6H	24.1	24.7	24.8	25.4	26.2	27.4	27.9	28.1	28.6	29.4
	8H	24.4	24.9	25.1	25.6	26.4	28.3	28.8	29.0	29.5	30.3

Maximum UGR = 31.2

POLAR GRAPH



Maximum Candela = 6466.05 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.)