

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-8-L170-930-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-L170-930-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	13282
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
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	14691	13102	12887
55	12780	11242	11313
65	10825	9659	10082
75	8823	8483	9424
85	6930	8440	9957

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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	4298.526	4298.526	4298.526	4298.526	4298.526
0.5	4278.141	4294.449	4297.167	4295.808	4324.347
1.0	4278.141	4295.808	4295.808	4294.449	4322.988
1.5	4274.064	4295.808	4294.449	4293.090	4324.347
2.0	4272.705	4291.731	4294.449	4291.731	4320.270
2.5	4272.705	4291.731	4290.372	4290.372	4317.552
3.0	4268.628	4287.654	4287.654	4287.654	4314.834
3.5	4265.910	4283.577	4283.577	4284.936	4312.116
4.0	4263.192	4280.859	4280.859	4279.500	4309.398
4.5	4256.397	4276.782	4278.141	4276.782	4305.321
5.0	4252.320	4272.705	4272.705	4272.705	4301.244
5.5	4246.884	4267.269	4267.269	4268.628	4295.808
6.0	4244.166	4260.474	4261.833	4261.833	4290.372
6.5	4234.653	4255.038	4256.397	4256.397	4283.577
7.0	4229.217	4248.243	4249.602	4248.243	4278.141
7.5	4223.781	4240.089	4242.807	4242.807	4271.346
8.0	4216.986	4234.653	4234.653	4234.653	4261.833
8.5	4210.191	4225.140	4227.858	4227.858	4253.679
9.0	4199.319	4218.345	4219.704	4218.345	4244.166
9.5	4192.524	4208.832	4208.832	4208.832	4238.730
10.0	4181.652	4197.960	4197.960	4200.678	4227.858
10.5	4172.139	4188.447	4189.806	4189.806	4218.345
11.0	4162.626	4178.934	4180.293	4178.934	4207.473
11.5	4150.395	4168.062	4170.780	4168.062	4197.960
12.0	4139.523	4155.831	4158.549	4158.549	4185.729
12.5	4128.651	4143.600	4147.677	4144.959	4174.857
13.0	4116.420	4132.728	4135.446	4134.087	4162.626
13.5	4104.189	4119.138	4121.856	4121.856	4151.754
14.0	4089.240	4105.548	4108.266	4108.266	4136.805
14.5	4077.009	4091.958	4094.676	4094.676	4125.933
15.0	4064.778	4078.368	4079.727	4079.727	4109.625
15.5	4049.829	4062.060	4066.137	4066.137	4093.317
16.0	4033.521	4047.111	4051.188	4051.188	4079.727
16.5	4019.931	4030.803	4034.880	4036.239	4064.778
17.0	4000.905	4013.136	4018.572	4019.931	4048.470
17.5	3984.597	3996.828	4002.264	4003.623	4032.162
18.0	3969.648	3980.520	3984.597	3988.674	4017.213
18.5	3951.981	3964.212	3968.289	3971.007	3999.546
19.0	3934.314	3943.827	3950.622	3953.340	3980.520
19.5	3913.928	3927.519	3932.955	3938.391	3962.853
20.0	3892.184	3907.133	3913.928	3918.005	3943.827
20.5	3870.440	3889.466	3894.902	3900.338	3926.160
21.0	3852.773	3867.722	3871.799	3882.671	3907.133
21.5	3832.388	3847.337	3854.132	3859.568	3886.748
22.0	3810.644	3828.311	3835.106	3840.542	3869.081
22.5	3791.618	3803.849	3813.362	3821.516	3848.696
23.0	3768.515	3782.105	3791.618	3799.772	3826.952
23.5	3744.053	3759.002	3771.233	3779.387	3806.567
24.0	3719.591	3735.899	3748.130	3757.643	3784.823
24.5	3699.206	3712.796	3726.386	3734.540	3760.361
25.0	3676.103	3689.693	3704.642	3712.796	3738.617
25.5	3650.282	3666.590	3678.821	3691.052	3712.796
26.0	3625.820	3640.769	3657.077	3667.949	3692.411
26.5	3599.999	3614.948	3633.974	3643.487	3669.308

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CANDELA TABULATION - (Cont.)

27.0	3574.178	3587.768	3610.871	3623.102	3646.205
27.5	3544.280	3561.947	3585.050	3595.922	3623.102
28.0	3522.536	3536.126	3559.229	3571.460	3597.281
28.5	3493.997	3510.305	3533.408	3545.639	3571.460
29.0	3466.817	3483.125	3506.228	3521.177	3546.998
29.5	3438.277	3454.585	3479.048	3493.997	3519.818
30.0	3409.738	3427.405	3451.867	3470.894	3496.715
30.5	3379.840	3397.507	3426.046	3445.072	3469.535
31.0	3351.301	3368.968	3397.507	3417.892	3440.995
31.5	3321.403	3341.788	3370.327	3392.071	3416.533
32.0	3292.864	3310.531	3343.147	3363.532	3387.994
32.5	3261.607	3280.633	3314.608	3336.352	3360.814
33.0	3231.709	3252.094	3283.351	3309.172	3333.634
33.5	3203.170	3222.196	3256.171	3279.274	3305.095
34.0	3169.195	3190.939	3226.273	3252.094	3279.274
34.5	3137.938	3161.041	3197.734	3222.196	3249.376
35.0	3109.399	3128.425	3169.195	3195.016	3220.837
35.5	3072.706	3098.527	3137.938	3165.118	3190.939
36.0	3044.167	3065.911	3108.040	3135.220	3162.400
36.5	3008.833	3033.295	3076.783	3106.681	3135.220
37.0	2976.216	3002.038	3045.526	3075.424	3106.681
37.5	2942.241	2968.062	3015.628	3048.244	3075.424
38.0	2908.266	2935.446	2983.011	3016.987	3042.808
38.5	2872.932	2901.471	2951.754	2988.447	3012.910
39.0	2841.675	2867.496	2919.138	2957.190	2988.447
39.5	2806.341	2836.239	2887.881	2925.933	2955.831
40.0	2768.289	2800.905	2855.265	2897.394	2924.574
40.5	2732.955	2766.930	2824.008	2867.496	2894.676
41.0	2700.339	2732.955	2791.392	2836.239	2863.419
41.5	2665.005	2698.980	2758.776	2804.982	2833.521
42.0	2629.671	2665.005	2726.160	2775.084	2803.623
42.5	2595.696	2629.671	2692.185	2743.827	2772.366
43.0	2557.644	2595.696	2660.928	2713.929	2742.468
43.5	2525.027	2560.362	2626.953	2682.672	2712.570
44.0	2488.334	2525.027	2592.978	2652.774	2681.313
44.5	2454.359	2491.052	2559.003	2620.158	2650.056
45.0	2419.025	2455.718	2526.386	2591.619	2621.517
45.5	2383.691	2421.743	2493.770	2561.721	2591.619
46.0	2348.357	2386.409	2458.436	2529.104	2560.362
46.5	2313.023	2351.075	2428.538	2501.924	2530.463
47.0	2276.330	2317.100	2394.563	2469.308	2500.565
47.5	2240.996	2281.766	2360.588	2438.051	2469.308
48.0	2207.021	2246.432	2326.613	2409.512	2438.051
48.5	2168.969	2212.457	2295.356	2376.896	2408.153
49.0	2134.994	2175.764	2260.022	2345.639	2376.896
49.5	2099.660	2141.789	2227.406	2315.741	2346.998
50.0	2062.966	2106.455	2194.790	2283.125	2315.741
50.5	2028.991	2072.479	2160.815	2255.945	2287.202
51.0	1993.657	2037.145	2130.917	2224.688	2257.304
51.5	1959.682	2001.811	2096.942	2194.790	2227.406
52.0	1922.989	1967.836	2064.325	2163.533	2197.508
52.5	1887.655	1932.502	2033.068	2132.276	2168.969
53.0	1850.962	1898.527	2000.452	2105.096	2137.712
53.5	1815.628	1864.552	1969.195	2073.838	2109.173
54.0	1781.653	1830.577	1937.938	2043.940	2080.634
54.5	1749.037	1795.243	1906.681	2016.760	2052.094

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55.0	1715.062	1762.627	1875.424	1985.503	2026.273
55.5	1686.523	1728.652	1844.167	1956.964	1995.016
56.0	1653.907	1698.754	1814.269	1928.425	1966.477
56.5	1619.932	1667.497	1783.012	1899.886	1939.297
57.0	1587.315	1636.240	1753.114	1871.347	1910.758
57.5	1553.340	1603.623	1727.293	1844.167	1879.501
58.0	1519.365	1571.007	1697.395	1814.269	1856.398
58.5	1486.749	1538.391	1667.497	1788.448	1829.218
59.0	1454.133	1505.775	1638.958	1765.345	1800.679
59.5	1421.517	1474.518	1613.136	1736.806	1778.935
60.0	1388.901	1441.902	1584.597	1709.626	1751.755
60.5	1356.964	1410.645	1556.058	1683.805	1724.575
61.0	1324.892	1379.388	1527.519	1657.984	1698.754
61.5	1293.091	1348.403	1498.980	1632.163	1674.292
62.0	1261.834	1317.689	1471.800	1607.700	1648.471
62.5	1230.985	1287.248	1443.261	1583.238	1624.009
63.0	1199.728	1256.942	1416.081	1557.417	1602.264
63.5	1168.743	1227.044	1390.260	1532.955	1577.802
64.0	1138.573	1197.553	1363.080	1507.134	1553.340
64.5	1108.539	1168.743	1337.259	1482.672	1528.878
65.0	1078.777	1139.796	1311.302	1458.210	1505.775
65.5	1049.422	1111.529	1285.617	1433.748	1481.313
66.0	1019.660	1083.261	1260.203	1409.286	1458.210
66.5	990.577	1055.673	1234.926	1386.183	1435.107
67.0	962.174	1028.358	1209.784	1361.721	1412.004
67.5	933.635	1001.449	1185.186	1338.890	1388.901
68.0	905.504	975.221	1160.724	1315.787	1367.157
68.5	877.780	949.128	1136.806	1293.363	1344.462
69.0	850.192	923.307	1113.159	1270.804	1322.989
69.5	823.012	898.029	1089.784	1248.924	1301.653
70.0	795.968	873.159	1066.817	1227.451	1280.453
70.5	769.603	848.561	1043.850	1205.979	1259.524
71.0	743.511	824.235	1021.291	1184.779	1238.867
71.5	717.689	800.453	999.275	1164.122	1218.482
72.0	692.412	776.534	977.259	1143.601	1198.641
72.5	666.999	753.431	955.787	1123.488	1178.935
73.0	642.265	730.464	934.450	1103.646	1159.094
73.5	618.210	707.769	913.794	1083.941	1139.796
74.0	594.428	685.753	892.865	1064.915	1120.362
74.5	571.053	663.601	872.888	1046.025	1102.015
75.0	547.814	641.993	853.046	1027.542	1084.213
75.5	524.983	620.928	833.477	1009.196	1066.138
76.0	502.831	600.272	814.450	990.985	1048.471
76.5	480.815	579.887	795.560	973.182	1030.804
77.0	459.071	559.637	776.942	955.515	1013.680
77.5	437.735	539.932	758.595	938.392	996.693
78.0	416.670	520.634	740.793	921.540	979.977
78.5	396.013	501.608	723.125	904.552	963.397
79.0	375.764	483.126	706.002	888.108	947.089
79.5	355.651	464.779	689.150	872.072	930.781
80.0	335.810	446.704	672.299	856.172	915.288
80.5	316.512	429.173	655.991	840.136	899.524
81.0	297.758	411.914	640.362	824.643	884.167
81.5	278.732	395.062	624.734	809.286	868.811
82.0	260.385	378.618	609.513	794.473	853.997
82.5	242.446	362.446	594.564	779.660	839.456

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83.0	224.779	346.682	579.887	765.390	825.322
83.5	207.248	331.325	565.889	750.849	810.645
84.0	190.125	316.376	552.299	737.123	796.648
84.5	173.137	301.970	538.981	723.533	782.922
85.0	156.829	287.973	525.934	710.079	769.196
85.5	140.521	274.654	513.160	697.033	755.877
86.0	124.485	261.880	500.657	684.258	742.695
86.5	108.584	249.921	488.833	671.483	729.513
87.0	92.956	238.369	476.874	659.388	716.602
87.5	77.327	227.633	465.594	647.157	704.235
88.0	61.835	217.169	454.451	635.334	691.733
88.5	46.206	207.384	443.714	623.646	679.637
89.0	31.937	198.143	433.522	612.367	667.678
89.5	20.249	189.581	423.601	601.495	655.991
90.0	12.095	181.970	414.496	591.166	645.255
90.5	8.562	175.311	406.070	580.838	633.839
91.0	9.105	169.196	397.508	570.374	622.967
91.5	10.872	163.352	388.947	560.453	612.095
92.0	12.911	158.460	380.793	550.396	601.495
92.5	15.085	154.247	373.862	540.747	591.030
93.0	17.259	150.578	366.659	531.642	580.974
93.5	19.570	147.724	359.864	522.673	571.461
94.0	22.016	145.277	353.477	514.247	562.220
94.5	24.326	143.511	347.497	505.685	552.706
95.0	26.636	142.152	341.925	497.259	543.601
95.5	28.811	141.200	336.761	489.241	534.632
96.0	30.578	140.793	332.276	481.495	525.798
96.5	32.344	140.793	327.792	474.292	517.644
97.0	33.975	140.929	323.715	467.361	509.490
97.5	35.742	141.472	319.909	460.702	502.016
98.0	37.237	142.016	316.512	454.179	494.405
98.5	39.003	142.695	313.658	447.927	487.338
99.0	40.770	143.511	310.668	442.084	480.408
99.5	42.673	144.462	308.086	436.512	473.613
100.0	44.303	145.413	306.047	431.348	467.497
100.5	46.206	146.501	304.009	426.319	461.246
101.0	47.837	147.588	302.514	421.563	455.674
101.5	49.468	148.675	301.019	417.078	449.966
102.0	50.963	149.762	299.932	412.865	444.938
102.5	52.458	150.849	298.845	408.924	439.909
103.0	53.952	152.072	298.029	404.983	435.425
103.5	55.583	153.296	297.350	401.585	430.804
104.0	57.350	154.383	296.670	398.460	426.591
104.5	59.117	155.606	296.263	395.470	422.650
105.0	60.747	156.829	295.855	392.752	418.845
105.5	62.242	157.916	295.447	389.898	415.583
106.0	64.009	159.275	295.311	387.452	412.321
106.5	65.640	160.498	295.311	385.141	409.060
107.0	67.271	161.857	295.311	382.967	406.342
107.5	68.766	162.944	295.311	381.336	403.488
108.0	70.668	164.303	295.311	379.434	400.634
108.5	72.435	165.662	295.447	378.075	398.731
109.0	74.202	166.750	295.719	376.308	396.829
109.5	76.104	167.973	295.855	375.085	394.790
110.0	78.007	169.196	296.127	373.726	393.160
110.5	79.909	170.419	296.399	372.503	391.665

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CANDELA TABULATION - (Cont.)

111.0	81.812	171.642	296.534	371.416	390.034
111.5	83.715	172.729	296.670	370.600	388.675
112.0	85.753	173.952	296.942	369.785	387.044
112.5	87.792	175.175	297.214	368.833	385.549
113.0	89.966	176.399	297.622	368.154	384.870
113.5	92.004	177.486	297.622	367.474	383.918
114.0	94.179	178.573	297.893	366.931	382.967
114.5	96.217	179.796	298.165	366.251	382.152
115.0	98.392	180.747	298.437	365.844	381.472
115.5	100.566	181.970	298.437	365.436	380.793
116.0	102.605	183.058	298.845	364.892	379.977
116.5	104.507	184.145	299.117	364.349	379.705
117.0	106.682	185.368	299.388	364.349	379.026
117.5	108.720	186.319	299.660	363.805	378.618
118.0	110.487	187.271	299.932	363.533	378.075
118.5	112.525	188.222	300.068	363.126	377.939
119.0	114.292	189.173	300.340	362.718	377.123
119.5	116.195	189.853	300.611	362.310	376.987
120.0	117.961	190.532	300.476	362.038	376.308
120.5	119.728	191.348	300.611	361.495	376.172
121.0	121.495	191.891	300.883	361.087	375.628
121.5	123.397	192.571	300.747	360.543	375.357
122.0	125.164	193.386	300.747	360.272	374.949
122.5	126.931	194.202	300.883	359.728	373.998
123.0	128.698	195.017	300.747	359.184	373.862
123.5	130.328	195.696	300.476	358.777	373.046
124.0	131.687	196.240	300.476	358.369	372.910
124.5	133.046	196.784	300.476	357.690	372.367
125.0	134.405	197.463	300.204	357.010	371.823
125.5	135.764	197.871	299.932	356.602	371.144
126.0	136.987	198.414	299.796	355.787	370.600
126.5	138.075	199.094	299.524	355.243	370.192
127.0	139.298	199.366	299.252	354.564	369.649
127.5	140.249	199.773	298.845	353.884	368.697
128.0	141.472	199.773	298.709	353.069	368.154
128.5	142.424	200.045	298.165	352.389	367.610
129.0	143.375	200.317	297.622	351.710	366.931
129.5	144.190	200.725	296.670	350.623	366.115
130.0	144.870	200.997	295.719	349.943	365.300
130.5	145.549	201.268	294.632	349.128	364.349
131.0	145.957	201.676	293.545	347.905	363.397
131.5	146.501	202.084	292.457	346.818	362.446
132.0	147.044	202.491	291.234	346.138	361.631
132.5	147.316	202.627	289.875	344.779	360.408
133.0	147.724	202.763	289.332	343.556	358.913
133.5	147.860	202.627	288.516	342.605	358.233
134.0	147.995	202.356	287.973	341.517	357.282
134.5	148.403	201.812	287.293	340.294	355.515
135.0	148.811	201.404	286.478	338.664	354.156
135.5	148.675	200.317	285.798	337.576	353.069
136.0	148.947	200.181	284.847	336.217	351.710
136.5	149.219	199.773	284.168	334.722	350.351
137.0	149.354	199.094	283.080	333.499	348.856
137.5	149.490	198.414	282.129	331.869	347.497
138.0	149.762	198.007	280.770	330.510	345.866
138.5	149.762	197.463	279.003	329.015	344.643

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CANDELA TABULATION - (Cont.)

139.0	149.626	197.055	276.965	327.248	342.741
139.5	149.626	196.512	274.519	325.345	341.382
140.0	149.626	195.832	271.801	323.579	339.479
140.5	149.626	195.425	269.354	321.404	337.440
141.0	149.626	195.153	266.636	319.094	335.810
141.5	149.626	194.609	263.918	317.055	334.179
142.0	149.490	194.337	261.336	314.473	332.412
142.5	149.354	193.930	258.618	312.163	330.374
143.0	149.219	193.522	256.036	309.989	328.335
143.5	149.219	192.978	253.046	307.678	326.433
144.0	149.219	192.299	250.464	305.912	324.258
144.5	149.626	191.755	247.882	303.873	322.355
145.0	150.170	191.212	245.028	302.106	320.181
145.5	151.121	190.532	242.446	300.340	318.007
146.0	152.344	189.989	240.000	298.437	315.968
146.5	153.567	189.445	237.961	296.399	313.658
147.0	154.790	188.766	235.651	294.360	311.348
147.5	155.878	188.494	233.884	292.322	309.037
148.0	157.101	187.950	231.982	290.011	306.591
148.5	158.188	187.814	230.487	287.837	304.145
149.0	159.547	187.814	228.856	285.662	301.970
149.5	160.498	188.222	227.361	283.352	299.252
150.0	161.585	188.494	225.866	281.178	296.399
150.5	162.537	188.630	224.235	278.732	293.409
151.0	163.216	189.037	222.061	276.285	289.875
151.5	163.896	189.173	219.751	273.703	286.614
152.0	164.711	189.445	217.576	270.985	283.352
152.5	165.527	189.717	215.538	268.131	279.819
153.0	166.070	189.853	213.363	264.870	276.965
153.5	166.750	190.260	211.053	261.472	273.703
154.0	167.293	190.125	209.015	257.667	270.985
154.5	167.973	190.260	207.248	253.998	268.267
155.0	168.245	190.532	205.481	249.785	266.229
155.5	168.788	190.668	203.715	245.844	264.054
156.0	169.196	190.668	202.491	241.631	262.152
156.5	169.875	190.668	201.268	237.418	259.705
157.0	170.147	190.940	200.045	233.613	257.395
157.5	170.555	190.940	199.230	229.943	254.813
158.0	171.098	190.804	198.822	226.138	252.367
158.5	171.234	190.804	198.279	223.012	249.513
159.0	171.914	190.396	197.871	220.023	247.067
159.5	172.457	190.125	197.191	217.169	244.349
160.0	173.137	189.853	196.512	214.858	241.631
160.5	173.952	189.717	195.968	212.684	239.049
161.0	174.496	189.309	195.832	210.374	236.467
161.5	175.311	189.173	195.561	208.063	234.564
162.0	175.991	188.901	195.968	206.161	232.933
162.5	176.670	188.901	196.240	204.122	231.031
163.0	177.486	188.766	196.376	201.948	229.400
163.5	178.165	188.766	196.648	199.638	227.361
164.0	178.437	188.766	196.920	196.784	225.459
164.5	178.845	188.494	196.648	194.609	223.012
165.0	179.252	188.494	196.240	192.435	220.566
165.5	179.660	188.358	195.832	190.940	217.984
166.0	180.068	188.222	195.561	189.309	214.043
166.5	180.476	188.222	195.153	187.950	212.140

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	181.019	188.222	194.745	186.727	210.645
167.5	181.291	188.222	193.930	185.640	209.151
168.0	181.699	188.222	193.250	184.553	207.927
168.5	182.514	187.678	192.299	183.601	206.433
169.0	182.922	187.814	191.619	182.650	204.938
169.5	183.601	187.407	190.532	181.563	203.307
170.0	183.873	187.271	189.581	180.204	201.812
170.5	184.281	186.999	188.358	178.709	200.181
171.0	184.553	186.727	186.999	177.078	198.143
171.5	184.960	186.727	185.776	175.583	196.512
172.0	185.640	186.455	185.096	174.088	194.066
172.5	186.048	186.455	184.281	172.457	191.348
173.0	186.591	186.183	183.601	170.963	186.727
173.5	187.271	186.319	183.329	169.468	179.796
174.0	187.814	186.319	183.194	168.245	171.234
174.5	188.222	186.319	182.922	167.021	161.042
175.0	189.037	186.727	182.786	166.070	149.490
175.5	189.309	186.863	182.650	165.662	137.395
176.0	189.853	187.135	182.650	165.255	129.513
176.5	189.989	187.271	182.514	165.255	123.941
177.0	190.532	187.542	182.242	164.847	118.233
177.5	190.668	187.542	181.835	164.711	117.010
178.0	191.212	187.814	181.699	164.575	117.282
178.5	191.484	187.950	181.835	164.303	117.554
179.0	191.755	187.950	181.699	163.896	117.690
179.5	192.027	187.950	181.563	163.760	117.826
180.0	172.186	172.186	172.186	172.186	172.186

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1555.89	N.A.	11.70
0-30	3260.11	N.A.	24.50
0-40	5236.91	N.A.	39.40
0-60	8862.8	N.A.	66.70
0-80	11041.46	N.A.	83.10
0-90	11589.39	N.A.	87.30
10-90	11183.77	N.A.	84.20
20-40	3681.03	N.A.	27.70
20-50	5627.69	N.A.	42.40
40-70	4917.48	N.A.	37.00
60-80	2178.67	N.A.	16.40
70-80	887.07	N.A.	6.70
80-90	547.93	N.A.	4.10
90-110	639.99	N.A.	4.80
90-120	909.41	N.A.	6.80
90-130	1157.38	N.A.	8.70
90-150	1519.43	N.A.	11.40
90-180	1692.5	N.A.	12.70
110-180	1052.52	N.A.	7.90
0-180	13281.9	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	405.63
10-20	1150.26
20-30	1704.22
30-40	1976.81
40-50	1946.67
50-60	1679.22
60-70	1291.59
70-80	887.07
80-90	547.93
90-100	351.06
100-110	288.92
110-120	269.43
120-130	247.97
130-140	208.38
140-150	153.67
150-160	100.47
160-170	55.36
170-180	17.24

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-8-L170-930-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-L170-930-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

X=2H	Y=2H	18.4	19.8	18.9	20.3	20.9	20.1	21.5	20.7	22.0	22.6
	3H	19.8	21.0	20.3	21.6	22.2	22.3	23.6	22.9	24.1	24.8
	4H	20.2	21.4	20.8	21.9	22.6	23.4	24.6	24.0	25.1	25.8
	6H	20.5	21.6	21.1	22.2	22.9	24.5	25.6	25.1	26.2	26.9
	8H	20.6	21.6	21.2	22.2	22.9	25.2	26.2	25.8	26.8	27.5
	12H	20.6	21.6	21.2	22.2	22.9	25.9	26.8	26.5	27.5	28.2

UGR Viewed Endwise

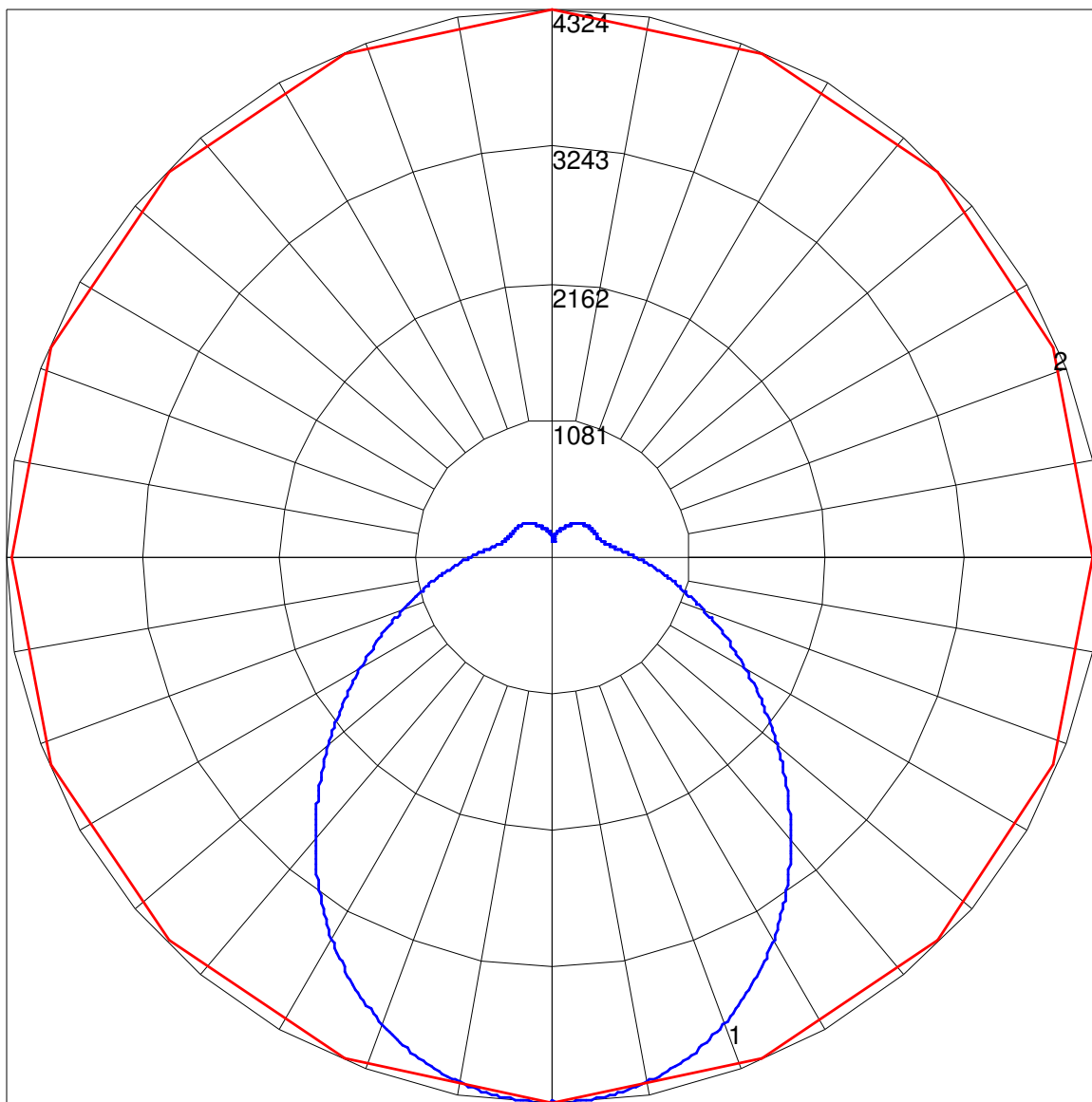
4H	2H	19.1	20.3	19.7	20.9	21.6	20.5	21.7	21.1	22.3	22.9
	3H	20.7	21.7	21.3	22.4	23.0	23.0	23.9	23.6	24.6	25.3
	4H	21.3	22.2	21.9	22.8	23.6	24.2	25.1	24.8	25.7	26.5
	6H	21.7	22.5	22.4	23.2	23.9	25.6	26.3	26.2	27.0	27.7
	8H	21.8	22.6	22.5	23.2	24.0	26.3	27.0	26.9	27.7	28.4
	12H	21.9	22.6	22.6	23.3	24.0	27.1	27.8	27.8	28.5	29.2

8H	4H	21.9	22.6	22.5	23.3	24.0	24.4	25.1	25.1	25.8	26.6
	6H	22.5	23.1	23.1	23.8	24.5	25.9	26.6	26.6	27.3	28.0
	8H	22.7	23.2	23.4	23.9	24.7	26.8	27.4	27.5	28.1	28.8
	12H	22.8	23.3	23.5	24.0	24.8	27.8	28.3	28.5	29.0	29.8

12H	4H	22.1	22.7	22.7	23.4	24.2	24.4	25.1	25.1	25.8	26.5
	6H	22.7	23.3	23.4	24.0	24.8	26.0	26.5	26.7	27.2	28.0
	8H	23.0	23.5	23.7	24.2	25.0	26.9	27.4	27.6	28.1	28.9

Maximum UGR = 29.8

POLAR GRAPH



Maximum Candela = 4324.347 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.)