

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L100-927-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-L100-927-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	7712
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	68.3
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	16922	15157	15008
55	14653	12976	13175
65	12317	11113	11742
75	9878	9708	10975
85	7246	9550	11596

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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	2495.964	2495.964	2495.964	2495.964	2495.964
0.5	2484.127	2493.597	2495.175	2494.386	2510.957
1.0	2484.127	2494.386	2494.386	2493.597	2510.168
1.5	2481.760	2494.386	2493.597	2492.808	2510.957
2.0	2480.971	2492.019	2493.597	2492.019	2508.590
2.5	2480.971	2492.019	2491.230	2491.230	2507.012
3.0	2478.604	2489.651	2489.651	2489.651	2505.434
3.5	2477.025	2487.284	2487.284	2488.073	2503.855
4.0	2475.447	2485.706	2485.706	2484.917	2502.277
4.5	2471.502	2483.338	2484.127	2483.338	2499.910
5.0	2469.134	2480.971	2480.971	2480.971	2497.542
5.5	2465.978	2477.815	2477.815	2478.604	2494.386
6.0	2464.400	2473.869	2474.658	2474.658	2491.230
6.5	2458.876	2470.713	2471.502	2471.502	2487.284
7.0	2455.719	2466.767	2467.556	2466.767	2484.127
7.5	2452.563	2462.032	2463.611	2463.611	2480.182
8.0	2448.617	2458.876	2458.876	2458.876	2474.658
8.5	2444.672	2453.352	2454.930	2454.930	2469.923
9.0	2438.359	2449.407	2450.196	2449.407	2464.400
9.5	2434.413	2443.883	2443.883	2443.883	2461.243
10.0	2428.100	2437.570	2437.570	2439.148	2454.930
10.5	2422.577	2432.046	2432.835	2432.835	2449.407
11.0	2417.053	2426.522	2427.311	2426.522	2443.094
11.5	2409.951	2420.209	2421.788	2420.209	2437.570
12.0	2403.638	2413.107	2414.686	2414.686	2430.468
12.5	2397.325	2406.005	2408.373	2406.794	2424.155
13.0	2390.223	2399.692	2401.271	2400.482	2417.053
13.5	2383.121	2391.801	2393.380	2393.380	2410.740
14.0	2374.441	2383.910	2385.488	2385.488	2402.060
14.5	2367.339	2376.019	2377.597	2377.597	2395.747
15.0	2360.237	2368.128	2368.917	2368.917	2386.277
15.5	2351.557	2358.659	2361.026	2361.026	2376.808
16.0	2342.087	2349.978	2352.346	2352.346	2368.917
16.5	2334.196	2340.509	2342.876	2343.665	2360.237
17.0	2323.148	2330.250	2333.407	2334.196	2350.767
17.5	2313.679	2320.781	2323.938	2324.727	2341.298
18.0	2304.999	2311.312	2313.679	2316.046	2332.618
18.5	2294.740	2301.842	2304.210	2305.788	2322.359
19.0	2284.482	2290.006	2293.951	2295.530	2311.312
19.5	2272.645	2280.536	2283.693	2286.849	2301.053
20.0	2260.019	2268.700	2272.645	2275.013	2290.006
20.5	2247.394	2258.441	2261.598	2264.754	2279.747
21.0	2237.135	2245.815	2248.183	2254.496	2268.700
21.5	2225.298	2233.979	2237.924	2241.081	2256.863
22.0	2212.673	2222.931	2226.877	2230.033	2246.604
22.5	2201.625	2208.727	2214.251	2218.986	2234.768
23.0	2188.210	2196.101	2201.625	2206.360	2222.142
23.5	2174.006	2182.686	2189.788	2194.523	2210.305
24.0	2159.802	2169.271	2176.373	2181.897	2197.679
24.5	2147.965	2155.857	2163.748	2168.482	2183.475
25.0	2134.550	2142.442	2151.122	2155.857	2170.850
25.5	2119.557	2129.027	2136.129	2143.231	2155.857
26.0	2105.353	2114.034	2123.503	2129.816	2144.020
26.5	2090.360	2099.040	2110.088	2115.612	2130.605

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27.0	2075.367	2083.258	2096.673	2103.775	2117.190
27.5	2058.007	2068.265	2081.680	2087.993	2103.775
28.0	2045.381	2053.272	2066.687	2073.789	2088.782
28.5	2028.809	2038.279	2051.694	2058.796	2073.789
29.0	2013.027	2022.496	2035.911	2044.592	2059.585
29.5	1996.456	2005.925	2020.129	2028.809	2043.802
30.0	1979.884	1990.143	2004.347	2015.394	2030.388
30.5	1962.524	1972.782	1989.354	2000.401	2014.605
31.0	1945.952	1956.211	1972.782	1984.619	1998.034
31.5	1928.592	1940.429	1957.000	1969.626	1983.830
32.0	1912.021	1922.279	1941.218	1953.054	1967.259
32.5	1893.871	1904.919	1924.646	1937.272	1951.476
33.0	1876.511	1888.347	1906.497	1921.490	1935.694
33.5	1859.939	1870.987	1890.715	1904.129	1919.123
34.0	1840.211	1852.837	1873.354	1888.347	1904.129
34.5	1822.062	1835.477	1856.783	1870.987	1886.769
35.0	1805.490	1816.538	1840.211	1855.204	1870.198
35.5	1784.184	1799.177	1822.062	1837.844	1852.837
36.0	1767.613	1780.239	1804.701	1820.484	1836.266
36.5	1747.096	1761.300	1786.552	1803.912	1820.484
37.0	1728.157	1743.150	1768.402	1785.763	1803.912
37.5	1708.429	1723.423	1751.042	1769.980	1785.763
38.0	1688.702	1704.484	1732.103	1751.831	1766.824
38.5	1668.185	1684.756	1713.953	1735.259	1749.463
39.0	1650.035	1665.028	1695.015	1717.110	1735.259
39.5	1629.518	1646.879	1676.865	1698.960	1716.321
40.0	1607.423	1626.362	1657.926	1682.389	1698.171
40.5	1586.906	1606.634	1639.777	1665.028	1680.811
41.0	1567.967	1586.906	1620.838	1646.879	1662.661
41.5	1547.450	1567.178	1601.899	1628.729	1645.300
42.0	1526.934	1547.450	1582.961	1611.369	1627.940
42.5	1507.206	1526.934	1563.233	1593.219	1609.790
43.0	1485.111	1507.206	1545.083	1575.859	1592.430
43.5	1466.172	1486.689	1525.355	1557.709	1575.069
44.0	1444.866	1466.172	1505.627	1540.348	1556.920
44.5	1425.138	1446.444	1485.900	1521.410	1538.770
45.0	1404.621	1425.927	1466.961	1504.838	1522.199
45.5	1384.104	1406.199	1448.022	1487.478	1504.838
46.0	1363.587	1385.682	1427.505	1468.539	1486.689
46.5	1343.070	1365.165	1410.145	1452.757	1469.328
47.0	1321.764	1345.438	1390.417	1433.818	1451.968
47.5	1301.247	1324.921	1370.689	1415.669	1433.818
48.0	1281.519	1304.404	1350.961	1399.097	1415.669
48.5	1259.424	1284.676	1332.812	1380.159	1398.308
49.0	1239.696	1263.370	1312.295	1362.009	1380.159
49.5	1219.179	1243.642	1293.356	1344.648	1362.798
50.0	1197.873	1223.125	1274.417	1325.710	1344.648
50.5	1178.146	1203.397	1254.690	1309.927	1328.077
51.0	1157.629	1182.880	1237.329	1291.778	1310.717
51.5	1137.901	1162.363	1217.601	1274.417	1293.356
52.0	1116.595	1142.636	1198.663	1256.268	1275.996
52.5	1096.078	1122.119	1180.513	1238.118	1259.424
53.0	1074.772	1102.391	1161.574	1222.336	1241.275
53.5	1054.255	1082.663	1143.425	1204.186	1224.703
54.0	1034.527	1062.935	1125.275	1186.826	1208.132
54.5	1015.588	1042.418	1107.125	1171.044	1191.561

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55.0	995.861	1023.479	1088.976	1152.894	1176.567
55.5	979.289	1003.752	1070.826	1136.323	1158.418
56.0	960.350	986.391	1053.466	1119.751	1141.846
56.5	940.623	968.242	1035.316	1103.180	1126.064
57.0	921.684	950.092	1017.956	1086.608	1109.493
57.5	901.956	931.153	1002.963	1070.826	1091.343
58.0	882.228	912.215	985.602	1053.466	1077.928
58.5	863.290	893.276	968.242	1038.473	1062.146
59.0	844.351	874.337	951.670	1025.058	1045.575
59.5	825.412	856.188	936.677	1008.486	1032.949
60.0	806.473	837.249	920.106	992.704	1017.167
60.5	787.929	819.099	903.534	977.711	1001.384
61.0	769.306	800.950	886.963	962.718	986.391
61.5	750.841	782.958	870.392	947.725	972.187
62.0	732.691	765.124	854.609	933.521	957.194
62.5	714.778	747.448	838.038	919.317	942.990
63.0	696.629	729.851	822.256	904.323	930.364
63.5	678.637	712.490	807.263	890.119	916.160
64.0	661.119	695.366	791.480	875.126	901.956
64.5	643.679	678.637	776.487	860.922	887.752
65.0	626.398	661.829	761.415	846.718	874.337
65.5	609.353	645.415	746.501	832.514	860.133
66.0	592.071	629.002	731.744	818.310	846.718
66.5	575.184	612.983	717.067	804.895	833.303
67.0	558.692	597.122	702.468	790.691	819.888
67.5	542.121	581.497	688.185	777.434	806.473
68.0	525.786	566.267	673.981	764.019	793.848
68.5	509.688	551.116	660.093	750.999	780.669
69.0	493.669	536.123	646.362	737.899	768.201
69.5	477.887	521.446	632.790	725.195	755.812
70.0	462.183	507.005	619.454	712.727	743.502
70.5	446.875	492.722	606.118	700.259	731.350
71.0	431.724	478.597	593.018	687.949	719.355
71.5	416.731	464.788	580.235	675.954	707.519
72.0	402.053	450.899	567.451	664.039	695.998
72.5	387.297	437.484	554.983	652.360	684.555
73.0	372.935	424.148	542.594	640.839	673.034
73.5	358.967	410.970	530.600	629.396	661.829
74.0	345.158	398.186	518.447	618.349	650.545
74.5	331.585	385.324	506.847	607.380	639.892
75.0	318.091	372.777	495.326	596.648	629.554
75.5	304.834	360.546	483.963	585.995	619.059
76.0	291.972	348.551	472.915	575.421	608.801
76.5	279.188	336.714	461.947	565.084	598.542
77.0	266.562	324.957	451.136	554.825	588.599
77.5	254.173	313.515	440.483	544.882	578.735
78.0	241.942	302.309	430.145	535.097	569.029
78.5	229.948	291.262	419.887	525.234	559.402
79.0	218.190	280.530	409.944	515.685	549.933
79.5	206.511	269.877	400.159	506.374	540.463
80.0	194.990	259.381	390.374	497.141	531.468
80.5	183.784	249.202	380.905	487.830	522.314
81.0	172.895	239.180	371.830	478.834	513.397
81.5	161.847	229.395	362.755	469.917	504.480
82.0	151.194	219.847	353.917	461.315	495.879
82.5	140.778	210.456	345.237	452.714	487.435

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83.0	130.519	201.303	336.714	444.428	479.228
83.5	120.340	192.386	328.587	435.985	470.706
84.0	110.397	183.705	320.695	428.015	462.578
84.5	100.533	175.341	312.962	420.124	454.608
85.0	91.064	167.213	305.387	412.312	446.638
85.5	81.594	159.480	297.969	404.736	438.905
86.0	72.283	152.062	290.709	397.318	431.250
86.5	63.050	145.118	283.844	389.901	423.596
87.0	53.975	138.410	276.900	382.878	416.099
87.5	44.901	132.176	270.350	375.776	408.918
88.0	35.905	126.100	263.879	368.910	401.658
88.5	26.830	120.419	257.645	362.124	394.635
89.0	18.544	115.053	251.727	355.574	387.691
89.5	11.758	110.081	245.966	349.261	380.905
90.0	7.023	105.662	240.679	343.264	374.671
90.5	4.971	101.796	235.787	337.267	368.042
91.0	5.287	98.245	230.816	331.191	361.729
91.5	6.313	94.851	225.844	325.430	355.416
92.0	7.497	92.011	221.109	319.591	349.261
92.5	8.759	89.564	217.085	313.988	343.185
93.0	10.022	87.434	212.903	308.701	337.346
93.5	11.363	85.777	208.957	303.493	331.822
94.0	12.784	84.356	205.248	298.600	326.456
94.5	14.125	83.330	201.776	293.629	320.932
95.0	15.467	82.541	198.541	288.736	315.645
95.5	16.729	81.989	195.542	284.081	310.437
96.0	17.755	81.752	192.938	279.583	305.308
96.5	18.781	81.752	190.334	275.400	300.573
97.0	19.728	81.831	187.967	271.376	295.838
97.5	20.754	82.147	185.757	267.509	291.498
98.0	21.622	82.462	183.784	263.722	287.079
98.5	22.648	82.857	182.127	260.092	282.976
99.0	23.673	83.330	180.391	256.698	278.951
99.5	24.778	83.883	178.892	253.463	275.006
100.0	25.725	84.435	177.708	250.464	271.455
100.5	26.830	85.066	176.525	247.545	267.825
101.0	27.777	85.698	175.657	244.783	264.590
101.5	28.724	86.329	174.789	242.179	261.275
102.0	29.592	86.960	174.157	239.733	258.356
102.5	30.460	87.592	173.526	237.444	255.436
103.0	31.328	88.302	173.052	235.156	252.832
103.5	32.275	89.012	172.658	233.183	250.149
104.0	33.301	89.643	172.263	231.368	247.703
104.5	34.326	90.353	172.027	229.632	245.414
105.0	35.273	91.064	171.790	228.054	243.205
105.5	36.141	91.695	171.553	226.396	241.311
106.0	37.167	92.484	171.474	224.976	239.417
106.5	38.114	93.194	171.474	223.635	237.523
107.0	39.061	93.983	171.474	222.372	235.945
107.5	39.929	94.615	171.474	221.425	234.288
108.0	41.034	95.404	171.474	220.320	232.630
108.5	42.060	96.193	171.553	219.531	231.526
109.0	43.086	96.824	171.711	218.505	230.421
109.5	44.190	97.534	171.790	217.795	229.237
110.0	45.295	98.245	171.948	217.006	228.290
110.5	46.400	98.955	172.106	216.296	227.422

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111.0	47.505	99.665	172.184	215.665	226.475
111.5	48.609	100.296	172.263	215.191	225.686
112.0	49.793	101.006	172.421	214.718	224.739
112.5	50.977	101.717	172.579	214.165	223.871
113.0	52.239	102.427	172.816	213.771	223.477
113.5	53.423	103.058	172.816	213.376	222.924
114.0	54.686	103.689	172.974	213.060	222.372
114.5	55.869	104.400	173.131	212.666	221.899
115.0	57.132	104.952	173.289	212.429	221.504
115.5	58.394	105.662	173.289	212.192	221.109
116.0	59.578	106.294	173.526	211.877	220.636
116.5	60.683	106.925	173.684	211.561	220.478
117.0	61.945	107.635	173.842	211.561	220.084
117.5	63.129	108.187	173.999	211.246	219.847
118.0	64.155	108.740	174.157	211.088	219.531
118.5	65.339	109.292	174.236	210.851	219.452
119.0	66.364	109.845	174.394	210.614	218.979
119.5	67.469	110.239	174.552	210.378	218.900
120.0	68.495	110.634	174.473	210.220	218.505
120.5	69.521	111.107	174.552	209.904	218.426
121.0	70.547	111.423	174.710	209.667	218.111
121.5	71.651	111.817	174.631	209.352	217.953
122.0	72.677	112.291	174.631	209.194	217.716
122.5	73.703	112.764	174.710	208.878	217.164
123.0	74.729	113.238	174.631	208.563	217.085
123.5	75.676	113.632	174.473	208.326	216.611
124.0	76.465	113.948	174.473	208.089	216.533
124.5	77.254	114.264	174.473	207.695	216.217
125.0	78.043	114.658	174.315	207.300	215.901
125.5	78.832	114.895	174.157	207.063	215.507
126.0	79.543	115.210	174.078	206.590	215.191
126.5	80.174	115.605	173.920	206.274	214.954
127.0	80.884	115.763	173.763	205.880	214.639
127.5	81.436	116.000	173.526	205.485	214.086
128.0	82.147	116.000	173.447	205.012	213.771
128.5	82.699	116.157	173.131	204.617	213.455
129.0	83.251	116.315	172.816	204.222	213.060
129.5	83.725	116.552	172.263	203.591	212.587
130.0	84.119	116.710	171.711	203.197	212.114
130.5	84.514	116.868	171.080	202.723	211.561
131.0	84.751	117.104	170.448	202.013	211.009
131.5	85.066	117.341	169.817	201.382	210.456
132.0	85.382	117.578	169.107	200.987	209.983
132.5	85.540	117.657	168.318	200.198	209.273
133.0	85.777	117.736	168.002	199.488	208.405
133.5	85.855	117.657	167.529	198.935	208.010
134.0	85.934	117.499	167.213	198.304	207.458
134.5	86.171	117.183	166.818	197.594	206.432
135.0	86.408	116.947	166.345	196.647	205.643
135.5	86.329	116.315	165.950	196.016	205.012
136.0	86.487	116.236	165.398	195.227	204.222
136.5	86.645	116.000	165.004	194.359	203.433
137.0	86.724	115.605	164.372	193.648	202.565
137.5	86.802	115.210	163.820	192.701	201.776
138.0	86.960	114.974	163.031	191.912	200.829
138.5	86.960	114.658	162.005	191.044	200.119

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

139.0	86.881	114.421	160.821	190.018	199.014
139.5	86.881	114.106	159.401	188.914	198.225
140.0	86.881	113.711	157.823	187.888	197.120
140.5	86.881	113.474	156.402	186.625	195.937
141.0	86.881	113.317	154.824	185.284	194.990
141.5	86.881	113.001	153.246	184.100	194.043
142.0	86.802	112.843	151.746	182.601	193.017
142.5	86.724	112.606	150.168	181.259	191.833
143.0	86.645	112.370	148.669	179.997	190.650
143.5	86.645	112.054	146.933	178.655	189.545
144.0	86.645	111.659	145.434	177.629	188.282
144.5	86.881	111.344	143.934	176.446	187.178
145.0	87.197	111.028	142.277	175.420	185.915
145.5	87.749	110.634	140.778	174.394	184.652
146.0	88.460	110.318	139.357	173.289	183.469
146.5	89.170	110.002	138.174	172.106	182.127
147.0	89.880	109.608	136.832	170.922	180.786
147.5	90.511	109.450	135.806	169.738	179.444
148.0	91.221	109.134	134.702	168.397	178.024
148.5	91.853	109.055	133.834	167.134	176.603
149.0	92.642	109.055	132.887	165.872	175.341
149.5	93.194	109.292	132.019	164.530	173.763
150.0	93.826	109.450	131.151	163.267	172.106
150.5	94.378	109.529	130.204	161.847	170.369
151.0	94.772	109.766	128.941	160.427	168.318
151.5	95.167	109.845	127.600	158.927	166.424
152.0	95.640	110.002	126.337	157.349	164.530
152.5	96.114	110.160	125.153	155.692	162.478
153.0	96.430	110.239	123.891	153.798	160.821
153.5	96.824	110.476	122.549	151.825	158.927
154.0	97.140	110.397	121.366	149.616	157.349
154.5	97.534	110.476	120.340	147.485	155.771
155.0	97.692	110.634	119.314	145.039	154.587
155.5	98.008	110.713	118.288	142.751	153.325
156.0	98.245	110.713	117.578	140.304	152.220
156.5	98.639	110.713	116.868	137.858	150.799
157.0	98.797	110.870	116.157	135.649	149.458
157.5	99.034	110.870	115.684	133.518	147.959
158.0	99.349	110.791	115.447	131.308	146.538
158.5	99.428	110.791	115.132	129.493	144.881
159.0	99.823	110.555	114.895	127.757	143.461
159.5	100.138	110.397	114.500	126.100	141.883
160.0	100.533	110.239	114.106	124.759	140.304
160.5	101.006	110.160	113.790	123.496	138.805
161.0	101.322	109.923	113.711	122.155	137.306
161.5	101.796	109.845	113.553	120.813	136.201
162.0	102.190	109.687	113.790	119.708	135.254
162.5	102.585	109.687	113.948	118.525	134.149
163.0	103.058	109.608	114.027	117.262	133.202
163.5	103.453	109.608	114.185	115.921	132.019
164.0	103.611	109.608	114.342	114.264	130.914
164.5	103.847	109.450	114.185	113.001	129.493
165.0	104.084	109.450	113.948	111.738	128.073
165.5	104.321	109.371	113.711	110.870	126.574
166.0	104.557	109.292	113.553	109.923	124.285
166.5	104.794	109.292	113.317	109.134	123.181

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	105.110	109.292	113.080	108.424	122.313
167.5	105.268	109.292	112.606	107.793	121.444
168.0	105.504	109.292	112.212	107.162	120.734
168.5	105.978	108.976	111.659	106.609	119.866
169.0	106.215	109.055	111.265	106.057	118.998
169.5	106.609	108.819	110.634	105.425	118.051
170.0	106.767	108.740	110.081	104.636	117.183
170.5	107.004	108.582	109.371	103.768	116.236
171.0	107.162	108.424	108.582	102.821	115.053
171.5	107.398	108.424	107.872	101.953	114.106
172.0	107.793	108.266	107.477	101.085	112.685
172.5	108.030	108.266	107.004	100.138	111.107
173.0	108.345	108.108	106.609	99.270	108.424
173.5	108.740	108.187	106.451	98.402	104.400
174.0	109.055	108.187	106.372	97.692	99.428
174.5	109.292	108.187	106.215	96.982	93.510
175.0	109.766	108.424	106.136	96.430	86.802
175.5	109.923	108.503	106.057	96.193	79.779
176.0	110.239	108.661	106.057	95.956	75.202
176.5	110.318	108.740	105.978	95.956	71.967
177.0	110.634	108.898	105.820	95.719	68.653
177.5	110.713	108.898	105.583	95.640	67.943
178.0	111.028	109.055	105.504	95.562	68.100
178.5	111.186	109.134	105.583	95.404	68.258
179.0	111.344	109.134	105.504	95.167	68.337
179.5	111.502	109.134	105.425	95.088	68.416
180.0	99.981	99.981	99.981	99.981	99.981

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L100-927-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	903.44	N.A.	11.70
0-30	1893.00	N.A.	24.50
0-40	3040.85	N.A.	39.40
0-60	5146.24	N.A.	66.70
0-80	6411.29	N.A.	83.10
0-90	6729.45	N.A.	87.30
10-90	6493.92	N.A.	84.20
20-40	2137.41	N.A.	27.70
20-50	3267.75	N.A.	42.40
40-70	2855.36	N.A.	37.00
60-80	1265.05	N.A.	16.40
70-80	515.08	N.A.	6.70
80-90	318.16	N.A.	4.10
90-110	371.61	N.A.	4.80
90-120	528.06	N.A.	6.80
90-130	672.04	N.A.	8.70
90-150	882.26	N.A.	11.40
90-180	982.76	N.A.	12.70
110-180	611.15	N.A.	7.90
0-180	7712.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	235.53
10-20	667.91
20-30	989.57
30-40	1147.84
40-50	1130.34
50-60	975.05
60-70	749.97
70-80	515.08
80-90	318.16
90-100	203.85
100-110	167.77
110-120	156.44
120-130	143.98
130-140	120.99
140-150	89.23
150-160	58.34
160-170	32.14
170-180	10.01

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L100-927-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-4-L100-927-DIM-UNV_.IES

UGR TABLE - CORRECTED

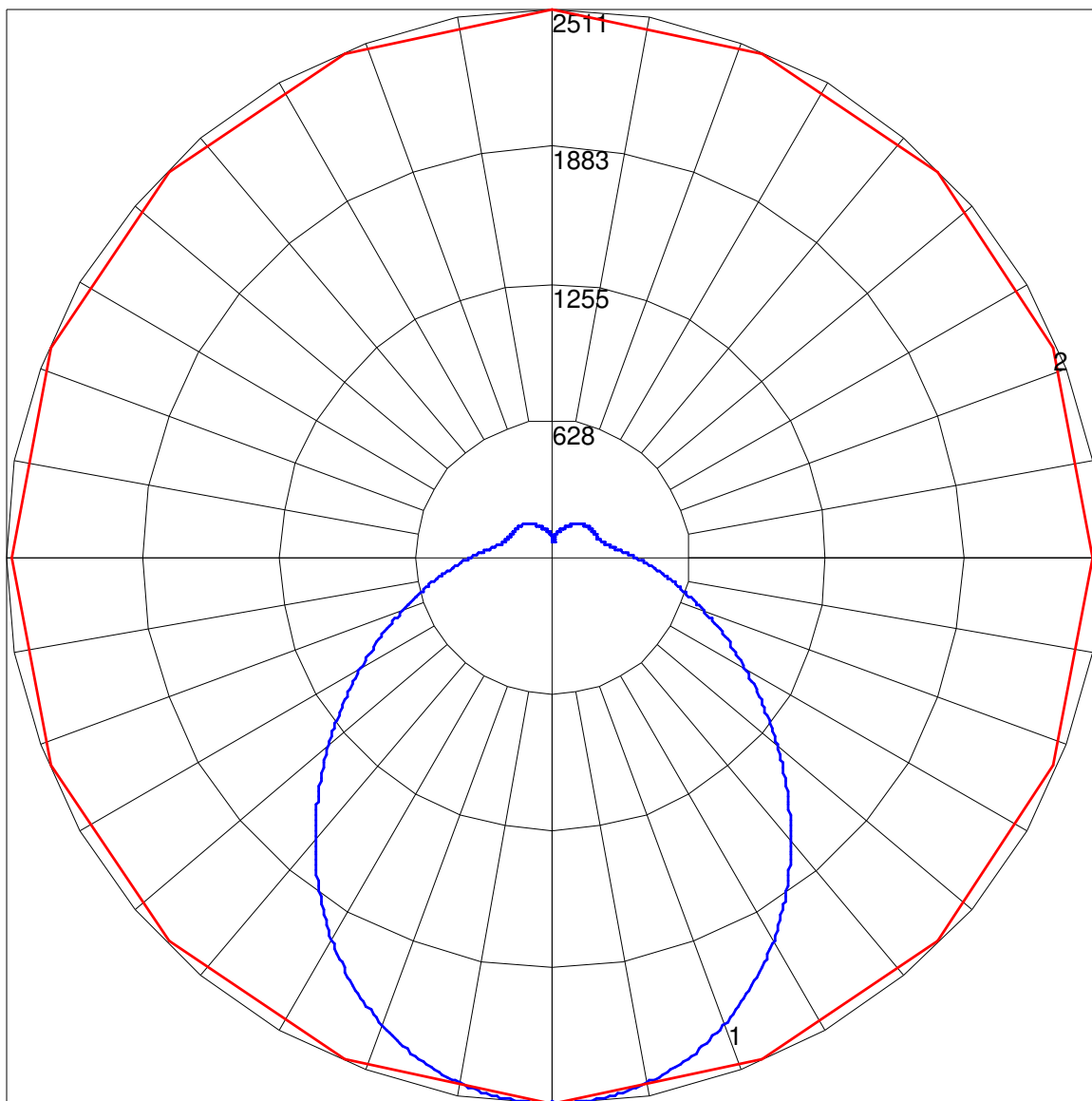
Reflectances

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	18.9	20.3	19.5	20.8	21.4	20.6	21.9	21.1	22.5	23.1
	3H	20.3	21.5	20.8	22.1	22.7	22.8	24.0	23.3	24.6	25.2
	4H	20.7	21.9	21.3	22.5	23.1	23.8	25.0	24.4	25.6	26.3
	6H	21.0	22.1	21.6	22.7	23.4	25.0	26.0	25.6	26.6	27.3
	8H	21.1	22.1	21.7	22.7	23.4	25.5	26.6	26.2	27.2	27.9
	12H	21.1	22.1	21.7	22.7	23.4	26.2	27.2	26.8	27.8	28.5
4H	2H	19.6	20.8	20.2	21.4	22.1	21.0	22.1	21.6	22.7	23.4
	3H	21.2	22.2	21.8	22.8	23.5	23.4	24.4	24.0	25.0	25.7
	4H	21.8	22.7	22.4	23.3	24.1	24.7	25.5	25.3	26.2	26.9
	6H	22.2	23.0	22.9	23.7	24.4	26.0	26.8	26.6	27.4	28.2
	8H	22.3	23.1	23.0	23.7	24.5	26.7	27.4	27.3	28.1	28.8
	12H	22.4	23.1	23.1	23.8	24.5	27.5	28.1	28.1	28.8	29.6
8H	4H	22.4	23.1	23.0	23.8	24.5	24.8	25.6	25.5	26.2	27.0
	6H	23.0	23.6	23.6	24.3	25.0	26.3	27.0	27.0	27.7	28.4
	8H	23.2	23.7	23.8	24.4	25.2	27.2	27.8	27.9	28.5	29.2
	12H	23.3	23.8	24.0	24.5	25.3	28.2	28.7	28.9	29.4	30.2
12H	4H	22.5	23.2	23.2	23.9	24.6	24.8	25.5	25.5	26.2	27.0
	6H	23.2	23.8	23.9	24.5	25.3	26.4	27.0	27.1	27.6	28.4
	8H	23.5	24.0	24.2	24.7	25.5	27.3	27.8	28.0	28.5	29.3

Maximum UGR = 30.2

POLAR GRAPH



Maximum Candela = 2510.957 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.)