

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L100-950-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-4-L100-950-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	8580
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
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	18825	16862	16696
55	16301	14435	14657
65	13703	12364	13063
75	10990	10801	12210
85	8061	10624	12900

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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	2776.760	2776.760	2776.760	2776.760	2776.760
0.5	2763.592	2774.126	2775.882	2775.004	2793.440
1.0	2763.592	2775.004	2775.004	2774.126	2792.562
1.5	2760.958	2775.004	2774.126	2773.248	2793.440
2.0	2760.080	2772.371	2774.126	2772.371	2790.806
2.5	2760.080	2772.371	2771.493	2771.493	2789.050
3.0	2757.446	2769.737	2769.737	2769.737	2787.295
3.5	2755.691	2767.103	2767.103	2767.981	2785.539
4.0	2753.935	2765.347	2765.347	2764.470	2783.783
4.5	2749.545	2762.714	2763.592	2762.714	2781.149
5.0	2746.912	2760.080	2760.080	2760.080	2778.516
5.5	2743.400	2756.569	2756.569	2757.446	2775.004
6.0	2741.644	2752.179	2753.057	2753.057	2771.493
6.5	2735.499	2748.668	2749.545	2749.545	2767.103
7.0	2731.988	2744.278	2745.156	2744.278	2763.592
7.5	2728.476	2739.011	2740.767	2740.767	2759.202
8.0	2724.087	2735.499	2735.499	2735.499	2753.057
8.5	2719.697	2729.354	2731.110	2731.110	2747.790
9.0	2712.674	2724.965	2725.842	2724.965	2741.644
9.5	2708.285	2718.819	2718.819	2718.819	2738.133
10.0	2701.262	2711.796	2711.796	2713.552	2731.110
10.5	2695.116	2705.651	2706.529	2706.529	2724.965
11.0	2688.971	2699.506	2700.384	2699.506	2717.942
11.5	2681.070	2692.483	2694.239	2692.483	2711.796
12.0	2674.047	2684.582	2686.338	2686.338	2703.895
12.5	2667.024	2676.681	2679.314	2677.559	2696.872
13.0	2659.123	2669.658	2671.413	2670.536	2688.971
13.5	2651.222	2660.879	2662.635	2662.635	2681.948
14.0	2641.565	2652.100	2653.856	2653.856	2672.291
14.5	2633.664	2643.321	2645.077	2645.077	2665.268
15.0	2625.763	2634.542	2635.420	2635.420	2654.734
15.5	2616.106	2624.007	2626.641	2626.641	2644.199
16.0	2605.572	2614.351	2616.984	2616.984	2635.420
16.5	2596.793	2603.816	2606.450	2607.328	2625.763
17.0	2584.503	2592.404	2595.915	2596.793	2615.229
17.5	2573.968	2581.869	2585.380	2586.258	2604.694
18.0	2564.311	2571.334	2573.968	2576.602	2595.037
18.5	2552.899	2560.800	2563.433	2565.189	2583.625
19.0	2541.486	2547.631	2552.021	2553.776	2571.334
19.5	2528.318	2537.097	2540.608	2544.120	2559.922
20.0	2514.271	2523.928	2528.318	2530.951	2547.631
20.5	2500.225	2512.516	2516.027	2519.539	2536.219
21.0	2488.813	2498.469	2501.103	2508.126	2523.928
21.5	2475.644	2485.301	2489.691	2493.202	2510.760
22.0	2461.598	2473.011	2477.400	2480.912	2499.347
22.5	2449.308	2457.209	2463.354	2468.621	2486.179
23.0	2434.384	2443.163	2449.308	2454.575	2472.133
23.5	2418.582	2428.238	2436.139	2441.407	2458.965
24.0	2402.780	2413.314	2421.215	2427.361	2444.918
24.5	2389.611	2398.390	2407.169	2412.436	2429.116
25.0	2374.687	2383.466	2393.123	2398.390	2415.070
25.5	2358.007	2368.542	2376.443	2384.344	2398.390
26.0	2342.205	2351.862	2362.397	2369.420	2385.222
26.5	2325.526	2335.182	2347.473	2353.618	2370.298

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27.0	2308.846	2317.625	2332.549	2340.450	2355.374
27.5	2289.532	2300.945	2315.869	2322.892	2340.450
28.0	2275.486	2284.265	2299.189	2307.090	2323.770
28.5	2257.050	2267.585	2282.509	2290.410	2307.090
29.0	2239.493	2250.027	2264.951	2274.608	2291.288
29.5	2221.057	2231.592	2247.393	2257.050	2273.730
30.0	2202.621	2214.034	2229.836	2242.126	2258.806
30.5	2183.308	2194.720	2213.156	2225.446	2241.248
31.0	2164.872	2176.285	2194.720	2207.889	2222.813
31.5	2145.558	2158.727	2177.162	2191.209	2207.011
32.0	2127.123	2138.535	2159.605	2172.773	2188.575
32.5	2106.931	2119.222	2141.169	2155.215	2171.017
33.0	2087.618	2100.786	2120.978	2137.657	2153.459
33.5	2069.182	2081.473	2103.420	2118.344	2135.024
34.0	2047.235	2061.281	2084.106	2100.786	2118.344
34.5	2027.044	2041.968	2065.671	2081.473	2099.030
35.0	2008.608	2020.898	2047.235	2063.915	2080.595
35.5	1984.905	2001.585	2027.044	2044.601	2061.281
36.0	1966.469	1980.516	2007.730	2025.288	2042.846
36.5	1943.644	1959.446	1987.539	2006.852	2025.288
37.0	1922.575	1939.255	1967.347	1986.661	2006.852
37.5	1900.628	1917.308	1948.034	1969.103	1986.661
38.0	1878.680	1896.238	1926.964	1948.912	1965.591
38.5	1855.855	1874.291	1906.773	1930.476	1946.278
39.0	1835.664	1852.344	1885.704	1910.284	1930.476
39.5	1812.839	1832.152	1865.512	1890.093	1909.407
40.0	1788.258	1809.327	1844.443	1871.657	1889.215
40.5	1765.433	1787.380	1824.251	1852.344	1869.902
41.0	1744.364	1765.433	1803.182	1832.152	1849.710
41.5	1721.539	1743.486	1782.113	1811.961	1830.397
42.0	1698.713	1721.539	1761.043	1792.647	1811.083
42.5	1676.766	1698.713	1739.096	1772.456	1790.892
43.0	1652.185	1676.766	1718.905	1753.143	1771.578
43.5	1631.116	1653.941	1696.958	1732.951	1752.265
44.0	1607.413	1631.116	1675.010	1713.638	1732.073
44.5	1585.466	1609.169	1653.063	1692.568	1711.882
45.0	1562.641	1586.344	1631.994	1674.133	1693.446
45.5	1539.816	1564.397	1610.925	1654.819	1674.133
46.0	1516.991	1541.571	1588.100	1633.750	1653.941
46.5	1494.166	1518.746	1568.786	1616.192	1634.628
47.0	1470.463	1496.799	1546.839	1595.123	1615.314
47.5	1447.637	1473.974	1524.892	1574.931	1595.123
48.0	1425.690	1451.149	1502.944	1556.496	1574.931
48.5	1401.109	1429.202	1482.753	1535.426	1555.618
49.0	1379.162	1405.499	1459.928	1515.235	1535.426
49.5	1356.337	1383.552	1438.859	1495.921	1516.113
50.0	1332.634	1360.727	1417.789	1474.852	1495.921
50.5	1310.687	1338.779	1395.842	1457.294	1477.486
51.0	1287.862	1315.954	1376.529	1437.103	1458.172
51.5	1265.915	1293.129	1354.581	1417.789	1438.859
52.0	1242.212	1271.182	1333.512	1397.598	1419.545
52.5	1219.387	1248.357	1313.321	1377.406	1401.109
53.0	1195.684	1226.410	1292.251	1359.849	1380.918
53.5	1172.858	1204.462	1272.060	1339.657	1362.482
54.0	1150.911	1182.515	1251.868	1320.344	1344.047
54.5	1129.842	1159.690	1231.677	1302.786	1325.611

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55.0	1107.895	1138.621	1211.486	1282.594	1308.931
55.5	1089.459	1116.674	1191.294	1264.159	1288.740
56.0	1068.390	1097.360	1171.981	1245.723	1270.304
56.5	1046.443	1077.169	1151.789	1227.288	1252.746
57.0	1025.373	1056.977	1132.476	1208.852	1234.311
57.5	1003.426	1035.908	1115.796	1191.294	1214.119
58.0	981.479	1014.839	1096.482	1171.981	1199.195
58.5	960.410	993.769	1077.169	1155.301	1181.637
59.0	939.340	972.700	1058.733	1140.377	1163.202
59.5	918.271	952.509	1042.053	1121.941	1149.156
60.0	897.202	931.439	1023.618	1104.383	1131.598
60.5	876.571	911.248	1005.182	1087.703	1114.040
61.0	855.853	891.056	986.746	1071.023	1097.360
61.5	835.311	871.041	968.311	1054.344	1081.558
62.0	815.119	851.200	950.753	1038.542	1064.878
62.5	795.191	831.536	932.317	1022.740	1049.076
63.0	775.000	811.959	914.759	1006.060	1035.030
63.5	754.984	792.645	898.080	990.258	1019.228
64.0	735.495	773.595	880.522	973.578	1003.426
64.5	716.093	754.984	863.842	957.776	987.624
65.0	696.868	736.285	847.074	941.974	972.700
65.5	677.905	718.025	830.482	926.172	956.898
66.0	658.679	699.765	814.066	910.370	941.974
66.5	639.893	681.943	797.737	895.446	927.050
67.0	621.545	664.298	781.496	879.644	912.126
67.5	603.109	646.916	765.606	864.895	897.202
68.0	584.937	629.972	749.804	849.971	883.155
68.5	567.028	613.117	734.353	835.486	868.495
69.0	549.207	596.437	719.078	820.913	854.624
69.5	531.649	580.108	703.978	806.779	840.841
70.0	514.179	564.043	689.142	792.909	827.146
70.5	497.148	548.153	674.306	779.038	813.627
71.0	480.293	532.439	659.733	765.343	800.283
71.5	463.613	517.076	645.511	751.999	787.114
72.0	447.284	501.625	631.289	738.743	774.297
72.5	430.867	486.701	617.419	725.750	761.568
73.0	414.890	471.865	603.636	712.933	748.751
73.5	399.351	457.204	590.292	700.204	736.285
74.0	383.988	442.982	576.772	687.913	723.731
74.5	368.889	428.673	563.868	675.710	711.879
75.0	353.877	414.714	551.050	663.771	700.379
75.5	339.128	401.107	538.409	651.920	688.703
76.0	324.819	387.763	526.118	640.156	677.291
76.5	310.597	374.595	513.916	628.656	665.878
77.0	296.551	361.514	501.889	617.243	654.817
77.5	282.768	348.785	490.037	606.182	643.843
78.0	269.160	336.319	478.537	595.296	633.045
78.5	255.817	324.028	467.124	584.322	622.335
79.0	242.736	312.089	456.063	573.700	611.800
79.5	229.743	300.238	445.177	563.341	601.266
80.0	216.926	288.562	434.291	553.069	591.258
80.5	204.460	277.237	423.757	542.710	581.074
81.0	192.345	266.088	413.661	532.702	571.154
81.5	180.055	255.202	403.565	522.782	561.234
82.0	168.203	244.580	393.733	513.213	551.665
82.5	156.615	234.133	384.076	503.644	542.271

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83.0	145.203	223.949	374.595	494.427	533.141
83.5	133.878	214.029	365.553	485.033	523.660
84.0	122.817	204.372	356.774	476.166	514.618
84.5	111.843	195.067	348.170	467.388	505.751
85.0	101.308	186.024	339.743	458.697	496.885
85.5	90.774	177.421	331.491	450.269	488.281
86.0	80.415	169.169	323.414	442.017	479.766
86.5	70.143	161.444	315.776	433.765	471.250
87.0	60.048	153.982	308.051	425.951	462.910
87.5	49.952	147.046	300.764	418.050	454.922
88.0	39.944	140.287	293.566	410.413	446.845
88.5	29.848	133.966	286.630	402.863	439.032
89.0	20.630	127.996	280.046	395.576	431.306
89.5	13.081	122.465	273.638	388.553	423.757
90.0	7.813	117.549	267.756	381.881	416.821
90.5	5.531	113.248	262.313	375.209	409.447
91.0	5.882	109.297	256.782	368.450	402.424
91.5	7.023	105.522	251.252	362.041	395.401
92.0	8.340	102.362	245.984	355.545	388.553
92.5	9.745	99.640	241.507	349.312	381.794
93.0	11.149	97.270	236.854	343.430	375.297
93.5	12.642	95.426	232.465	337.636	369.152
94.0	14.222	93.846	228.339	332.193	363.182
94.5	15.714	92.705	224.476	326.662	357.037
95.0	17.207	91.827	220.877	321.219	351.155
95.5	18.611	91.213	217.541	316.040	345.361
96.0	19.752	90.949	214.644	311.036	339.655
96.5	20.894	90.949	211.747	306.383	334.388
97.0	21.947	91.037	209.113	301.906	329.120
97.5	23.088	91.388	206.655	297.604	324.292
98.0	24.054	91.739	204.460	293.390	319.376
98.5	25.195	92.178	202.617	289.352	314.811
99.0	26.337	92.705	200.685	285.577	310.333
99.5	27.566	93.320	199.017	281.978	305.944
100.0	28.619	93.934	197.700	278.642	301.994
100.5	29.848	94.636	196.384	275.393	297.955
101.0	30.902	95.339	195.418	272.321	294.356
101.5	31.955	96.041	194.452	269.424	290.669
102.0	32.921	96.743	193.750	266.702	287.421
102.5	33.886	97.446	193.048	264.157	284.172
103.0	34.852	98.236	192.521	261.611	281.275
103.5	35.906	99.026	192.082	259.416	278.291
104.0	37.047	99.728	191.643	257.397	275.569
104.5	38.188	100.518	191.380	255.465	273.023
105.0	39.242	101.308	191.116	253.710	270.565
105.5	40.207	102.011	190.853	251.866	268.458
106.0	41.349	102.888	190.765	250.286	266.351
106.5	42.402	103.679	190.765	248.793	264.244
107.0	43.455	104.556	190.765	247.389	262.489
107.5	44.421	105.259	190.765	246.335	260.645
108.0	45.650	106.137	190.765	245.106	258.801
108.5	46.791	107.015	190.853	244.228	257.572
109.0	47.933	107.717	191.028	243.087	256.343
109.5	49.162	108.507	191.116	242.297	255.026
110.0	50.391	109.297	191.292	241.419	253.973
110.5	51.620	110.087	191.467	240.629	253.007

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CANDELA TABULATION - (Cont.)

111.0	52.849	110.877	191.555	239.927	251.954
111.5	54.078	111.580	191.643	239.400	251.076
112.0	55.395	112.370	191.819	238.873	250.023
112.5	56.712	113.160	191.994	238.259	249.057
113.0	58.116	113.950	192.257	237.820	248.618
113.5	59.433	114.652	192.257	237.381	248.003
114.0	60.838	115.354	192.433	237.030	247.389
114.5	62.154	116.145	192.609	236.591	246.862
115.0	63.559	116.759	192.784	236.327	246.423
115.5	64.964	117.549	192.784	236.064	245.984
116.0	66.281	118.252	193.048	235.713	245.458
116.5	67.510	118.954	193.223	235.362	245.282
117.0	68.914	119.744	193.399	235.362	244.843
117.5	70.231	120.358	193.574	235.011	244.580
118.0	71.372	120.973	193.750	234.835	244.228
118.5	72.689	121.587	193.838	234.572	244.141
119.0	73.830	122.202	194.013	234.308	243.614
119.5	75.059	122.641	194.189	234.045	243.526
120.0	76.201	123.080	194.101	233.869	243.087
120.5	77.342	123.607	194.189	233.518	242.999
121.0	78.483	123.958	194.364	233.255	242.648
121.5	79.712	124.397	194.277	232.904	242.473
122.0	80.853	124.923	194.277	232.728	242.209
122.5	81.995	125.450	194.364	232.377	241.595
123.0	83.136	125.977	194.277	232.026	241.507
123.5	84.189	126.416	194.101	231.762	240.980
124.0	85.067	126.767	194.101	231.499	240.892
124.5	85.945	127.118	194.101	231.060	240.541
125.0	86.823	127.557	193.925	230.621	240.190
125.5	87.701	127.821	193.750	230.358	239.751
126.0	88.491	128.172	193.662	229.831	239.400
126.5	89.193	128.611	193.487	229.480	239.137
127.0	89.984	128.786	193.311	229.041	238.786
127.5	90.598	129.050	193.048	228.602	238.171
128.0	91.388	129.050	192.960	228.075	237.820
128.5	92.003	129.225	192.609	227.636	237.469
129.0	92.617	129.401	192.257	227.197	237.030
129.5	93.144	129.664	191.643	226.495	236.503
130.0	93.583	129.840	191.028	226.056	235.976
130.5	94.022	130.015	190.326	225.529	235.362
131.0	94.285	130.279	189.624	224.739	234.747
131.5	94.636	130.542	188.922	224.037	234.133
132.0	94.987	130.805	188.131	223.598	233.606
132.5	95.163	130.893	187.254	222.720	232.816
133.0	95.426	130.981	186.902	221.930	231.850
133.5	95.514	130.893	186.376	221.316	231.411
134.0	95.602	130.718	186.024	220.613	230.797
134.5	95.865	130.366	185.586	219.823	229.656
135.0	96.129	130.103	185.059	218.770	228.778
135.5	96.041	129.401	184.620	218.067	228.075
136.0	96.217	129.313	184.005	217.190	227.197
136.5	96.392	129.050	183.566	216.224	226.320
137.0	96.480	128.611	182.864	215.434	225.354
137.5	96.568	128.172	182.250	214.380	224.476
138.0	96.743	127.908	181.372	213.502	223.423
138.5	96.743	127.557	180.230	212.537	222.632

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

139.0	96.655	127.294	178.914	211.395	221.403
139.5	96.655	126.943	177.333	210.166	220.525
140.0	96.655	126.504	175.578	209.025	219.296
140.5	96.655	126.240	173.997	207.621	217.980
141.0	96.655	126.065	172.242	206.128	216.926
141.5	96.655	125.714	170.486	204.811	215.873
142.0	96.568	125.538	168.818	203.143	214.731
142.5	96.480	125.275	167.062	201.651	213.415
143.0	96.392	125.011	165.394	200.246	212.098
143.5	96.392	124.660	163.463	198.754	210.869
144.0	96.392	124.221	161.795	197.613	209.464
144.5	96.655	123.870	160.127	196.296	208.235
145.0	97.007	123.519	158.283	195.155	206.830
145.5	97.621	123.080	156.615	194.013	205.426
146.0	98.411	122.729	155.035	192.784	204.109
146.5	99.201	122.378	153.718	191.467	202.617
147.0	99.991	121.939	152.226	190.151	201.124
147.5	100.694	121.763	151.085	188.834	199.632
148.0	101.484	121.412	149.855	187.341	198.052
148.5	102.186	121.324	148.890	185.937	196.471
149.0	103.064	121.324	147.836	184.532	195.067
149.5	103.679	121.587	146.871	183.040	193.311
150.0	104.381	121.763	145.905	181.635	191.467
150.5	104.995	121.851	144.852	180.055	189.536
151.0	105.434	122.114	143.447	178.475	187.254
151.5	105.873	122.202	141.955	176.807	185.147
152.0	106.400	122.378	140.550	175.051	183.040
152.5	106.927	122.553	139.233	173.207	180.757
153.0	107.278	122.641	137.828	171.100	178.914
153.5	107.717	122.904	136.336	168.906	176.807
154.0	108.068	122.817	135.019	166.448	175.051
154.5	108.507	122.904	133.878	164.077	173.295
155.0	108.683	123.080	132.737	161.356	171.978
155.5	109.034	123.168	131.595	158.810	170.574
156.0	109.297	123.168	130.805	156.089	169.345
156.5	109.736	123.168	130.015	153.367	167.764
157.0	109.912	123.343	129.225	150.909	166.272
157.5	110.175	123.343	128.698	148.539	164.604
158.0	110.526	123.255	128.435	146.081	163.024
158.5	110.614	123.255	128.084	144.061	161.180
159.0	111.053	122.992	127.821	142.130	159.600
159.5	111.404	122.817	127.382	140.287	157.844
160.0	111.843	122.641	126.943	138.794	156.089
160.5	112.370	122.553	126.591	137.389	154.421
161.0	112.721	122.290	126.504	135.897	152.753
161.5	113.248	122.202	126.328	134.405	151.523
162.0	113.687	122.026	126.591	133.176	150.470
162.5	114.125	122.026	126.767	131.859	149.241
163.0	114.652	121.939	126.855	130.454	148.188
163.5	115.091	121.939	127.030	128.962	146.871
164.0	115.267	121.939	127.206	127.118	145.642
164.5	115.530	121.763	127.030	125.714	144.061
165.0	115.793	121.763	126.767	124.309	142.481
165.5	116.057	121.675	126.504	123.343	140.813
166.0	116.320	121.587	126.328	122.290	138.267
166.5	116.584	121.587	126.065	121.412	137.038

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	116.935	121.587	125.801	120.622	136.073
167.5	117.110	121.587	125.275	119.920	135.107
168.0	117.374	121.587	124.836	119.217	134.317
168.5	117.900	121.236	124.221	118.603	133.351
169.0	118.164	121.324	123.782	117.988	132.386
169.5	118.603	121.061	123.080	117.286	131.332
170.0	118.778	120.973	122.465	116.408	130.366
170.5	119.042	120.797	121.675	115.442	129.313
171.0	119.217	120.622	120.797	114.389	127.996
171.5	119.481	120.622	120.007	113.423	126.943
172.0	119.920	120.446	119.568	112.457	125.362
172.5	120.183	120.446	119.042	111.404	123.607
173.0	120.534	120.271	118.603	110.438	120.622
173.5	120.973	120.358	118.427	109.473	116.145
174.0	121.324	120.358	118.339	108.683	110.614
174.5	121.587	120.358	118.164	107.892	104.030
175.0	122.114	120.622	118.076	107.278	96.568
175.5	122.290	120.710	117.988	107.015	88.754
176.0	122.641	120.885	117.988	106.751	83.663
176.5	122.729	120.973	117.900	106.751	80.063
177.0	123.080	121.149	117.725	106.488	76.376
177.5	123.168	121.149	117.461	106.400	75.586
178.0	123.519	121.324	117.374	106.312	75.762
178.5	123.694	121.412	117.461	106.137	75.937
179.0	123.870	121.412	117.374	105.873	76.025
179.5	124.046	121.412	117.286	105.786	76.113
180.0	111.228	111.228	111.228	111.228	111.228

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1005.07	N.A.	11.70
0-30	2105.96	N.A.	24.50
0-40	3382.94	N.A.	39.40
0-60	5725.19	N.A.	66.70
0-80	7132.56	N.A.	83.10
0-90	7486.51	N.A.	87.30
10-90	7224.49	N.A.	84.20
20-40	2377.87	N.A.	27.70
20-50	3635.38	N.A.	42.40
40-70	3176.59	N.A.	37.00
60-80	1407.37	N.A.	16.40
70-80	573.03	N.A.	6.70
80-90	353.95	N.A.	4.10
90-110	413.42	N.A.	4.80
90-120	587.46	N.A.	6.80
90-130	747.64	N.A.	8.70
90-150	981.52	N.A.	11.40
90-180	1093.32	N.A.	12.70
110-180	679.90	N.A.	7.90
0-180	8579.83	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	262.03
10-20	743.05
20-30	1100.89
30-40	1276.98
40-50	1257.51
50-60	1084.74
60-70	834.34
70-80	573.03
80-90	353.95
90-100	226.78
100-110	186.64
110-120	174.04
120-130	160.18
130-140	134.61
140-150	99.27
150-160	64.90
160-170	35.76
170-180	11.14

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L100-950-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
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UGR TABLE - CORRECTED

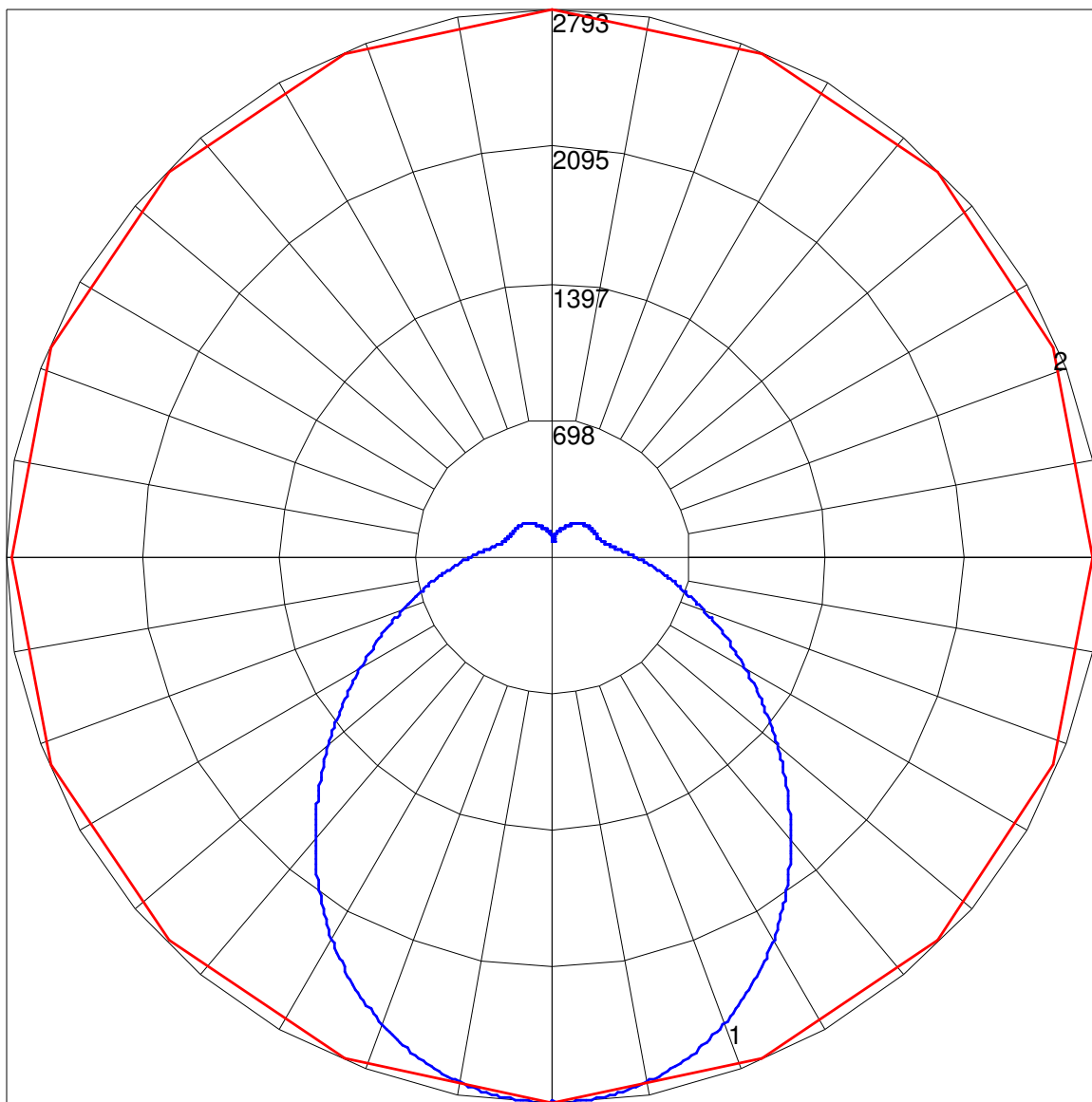
Reflectances

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	19.3	20.7	19.9	21.2	21.8	21.0	22.3	21.5	22.9	23.5
	3H	20.7	21.9	21.2	22.5	23.1	23.2	24.4	23.7	25.0	25.6
	4H	21.1	22.3	21.7	22.9	23.5	24.2	25.4	24.8	26.0	26.7
	6H	21.4	22.5	22.0	23.1	23.8	25.4	26.4	26.0	27.0	27.7
	8H	21.5	22.5	22.1	23.1	23.8	25.9	27.0	26.6	27.6	28.3
	12H	21.5	22.5	22.1	23.1	23.8	26.6	27.6	27.2	28.2	28.9
4H	2H	20.0	21.2	20.6	21.8	22.5	21.4	22.5	22.0	23.1	23.8
	3H	21.6	22.6	22.2	23.2	23.9	23.8	24.8	24.4	25.4	26.1
	4H	22.2	23.1	22.8	23.7	24.5	25.1	25.9	25.7	26.6	27.3
	6H	22.6	23.4	23.3	24.1	24.8	26.4	27.2	27.0	27.8	28.6
	8H	22.7	23.5	23.4	24.1	24.9	27.1	27.8	27.7	28.5	29.2
	12H	22.8	23.5	23.5	24.2	24.9	27.9	28.5	28.5	29.2	30.0
8H	4H	22.8	23.5	23.4	24.2	24.9	25.2	26.0	25.9	26.6	27.4
	6H	23.4	24.0	24.0	24.7	25.4	26.8	27.4	27.4	28.1	28.8
	8H	23.6	24.1	24.2	24.8	25.6	27.6	28.2	28.3	28.9	29.6
	12H	23.7	24.2	24.4	24.9	25.7	28.6	29.1	29.3	29.8	30.6
12H	4H	22.9	23.6	23.6	24.3	25.0	25.3	25.9	25.9	26.6	27.4
	6H	23.6	24.2	24.3	24.9	25.7	26.8	27.4	27.5	28.0	28.8
	8H	23.9	24.4	24.6	25.1	25.9	27.7	28.2	28.4	28.9	29.7

Maximum UGR = 30.6

POLAR GRAPH



Maximum Candela = 2793.44 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.)