

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L65-950-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-L65-950-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	5335
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	42.3
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	11705	10485	10381
55	10136	8976	9114
65	8520	7688	8122
75	6833	6716	7592
85	5012	6606	8021

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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	1726.546	1726.546	1726.546	1726.546	1726.546
0.5	1718.358	1724.908	1726.000	1725.454	1736.917
1.0	1718.358	1725.454	1725.454	1724.908	1736.371
1.5	1716.720	1725.454	1724.908	1724.362	1736.917
2.0	1716.174	1723.816	1724.908	1723.816	1735.279
2.5	1716.174	1723.816	1723.271	1723.271	1734.188
3.0	1714.537	1722.179	1722.179	1722.179	1733.096
3.5	1713.445	1720.541	1720.541	1721.087	1732.004
4.0	1712.353	1719.450	1719.450	1718.904	1730.913
4.5	1709.624	1717.812	1718.358	1717.812	1729.275
5.0	1707.987	1716.174	1716.174	1716.174	1727.637
5.5	1705.803	1713.991	1713.991	1714.537	1725.454
6.0	1704.711	1711.262	1711.808	1711.808	1723.271
6.5	1700.890	1709.078	1709.624	1709.624	1720.541
7.0	1698.707	1706.349	1706.895	1706.349	1718.358
7.5	1696.524	1703.074	1704.166	1704.166	1715.629
8.0	1693.794	1700.890	1700.890	1700.890	1711.808
8.5	1691.065	1697.069	1698.161	1698.161	1708.532
9.0	1686.698	1694.340	1694.886	1694.340	1704.711
9.5	1683.969	1690.519	1690.519	1690.519	1702.528
10.0	1679.602	1686.152	1686.152	1687.244	1698.161
10.5	1675.781	1682.331	1682.877	1682.877	1694.340
11.0	1671.960	1678.510	1679.056	1678.510	1689.973
11.5	1667.047	1674.143	1675.235	1674.143	1686.152
12.0	1662.680	1669.231	1670.322	1670.322	1681.240
12.5	1658.314	1664.318	1665.956	1664.864	1676.873
13.0	1653.401	1659.951	1661.043	1660.497	1671.960
13.5	1648.488	1654.493	1655.584	1655.584	1667.593
14.0	1642.484	1649.034	1650.126	1650.126	1661.589
14.5	1637.571	1643.575	1644.667	1644.667	1657.222
15.0	1632.658	1638.117	1638.663	1638.663	1650.672
15.5	1626.654	1631.567	1633.204	1633.204	1644.121
16.0	1620.104	1625.562	1627.200	1627.200	1638.663
16.5	1614.645	1619.012	1620.649	1621.195	1632.658
17.0	1607.003	1611.916	1614.099	1614.645	1626.108
17.5	1600.453	1605.365	1607.549	1608.095	1619.558
18.0	1594.448	1598.815	1600.453	1602.090	1613.553
18.5	1587.352	1592.265	1593.902	1594.994	1606.457
19.0	1580.256	1584.077	1586.806	1587.898	1598.815
19.5	1572.068	1577.527	1579.710	1581.894	1591.719
20.0	1563.334	1569.339	1572.068	1573.706	1584.077
20.5	1554.601	1562.243	1564.426	1566.610	1576.981
21.0	1547.505	1553.509	1555.147	1559.513	1569.339
21.5	1539.317	1545.321	1548.050	1550.234	1561.151
22.0	1530.583	1537.679	1540.408	1542.592	1554.055
22.5	1522.941	1527.854	1531.675	1534.950	1545.867
23.0	1513.661	1519.120	1522.941	1526.216	1537.133
23.5	1503.836	1509.840	1514.753	1518.028	1528.945
24.0	1494.011	1500.561	1505.474	1509.295	1520.212
24.5	1485.823	1491.281	1496.740	1500.015	1510.386
25.0	1476.543	1482.002	1488.006	1491.281	1501.653
25.5	1466.172	1472.722	1477.635	1482.548	1491.281
26.0	1456.347	1462.351	1468.901	1473.268	1483.094
26.5	1445.975	1451.980	1459.622	1463.443	1473.814

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**CANDELA TABULATION - (Cont.)**

27.0	1435.604	1441.063	1450.342	1455.255	1464.534
27.5	1423.595	1430.691	1439.971	1444.338	1455.255
28.0	1414.861	1420.320	1429.600	1434.512	1444.884
28.5	1403.398	1409.949	1419.228	1424.141	1434.512
29.0	1392.481	1399.032	1408.311	1414.316	1424.687
29.5	1381.018	1387.569	1397.394	1403.398	1413.770
30.0	1369.555	1376.651	1386.477	1394.119	1404.490
30.5	1357.546	1364.643	1376.106	1383.748	1393.573
31.0	1346.083	1353.180	1364.643	1372.830	1382.110
31.5	1334.075	1342.262	1353.725	1362.459	1372.285
32.0	1322.612	1329.708	1342.808	1350.996	1360.822
32.5	1310.057	1317.699	1331.345	1340.079	1349.904
33.0	1298.048	1306.236	1318.791	1329.162	1338.987
33.5	1286.585	1294.227	1307.873	1317.153	1327.524
34.0	1272.939	1281.672	1295.865	1306.236	1317.153
34.5	1260.384	1269.663	1284.402	1294.227	1305.144
35.0	1248.921	1256.563	1272.939	1283.310	1293.681
35.5	1234.183	1244.554	1260.384	1271.301	1281.672
36.0	1222.720	1231.453	1248.375	1259.292	1270.209
36.5	1208.527	1218.353	1235.820	1247.829	1259.292
37.0	1195.427	1205.798	1223.266	1235.274	1247.829
37.5	1181.780	1192.152	1211.257	1224.357	1235.274
38.0	1168.134	1179.051	1198.156	1211.803	1222.174
38.5	1153.942	1165.405	1185.601	1200.340	1210.165
39.0	1141.387	1151.758	1172.501	1187.785	1200.340
39.5	1127.195	1139.204	1159.946	1175.230	1187.239
40.0	1111.911	1125.011	1146.846	1163.767	1174.684
40.5	1097.718	1111.365	1134.291	1151.758	1162.675
41.0	1084.618	1097.718	1121.190	1139.204	1150.121
41.5	1070.426	1084.072	1108.090	1126.649	1138.112
42.0	1056.233	1070.426	1094.989	1114.640	1126.103
42.5	1042.587	1056.233	1081.343	1102.085	1113.548
43.0	1027.303	1042.587	1068.788	1090.076	1101.539
43.5	1014.202	1028.395	1055.142	1077.522	1089.531
44.0	999.464	1014.202	1041.495	1065.513	1076.976
44.5	985.818	1000.556	1027.849	1052.412	1064.421
45.0	971.625	986.364	1014.748	1040.949	1052.958
45.5	957.433	972.717	1001.648	1028.940	1040.949
46.0	943.241	958.525	987.455	1015.840	1028.395
46.5	929.049	944.333	975.446	1004.923	1016.386
47.0	914.310	930.686	961.800	991.822	1004.377
47.5	900.118	916.494	948.154	979.267	991.822
48.0	886.472	902.302	934.507	967.804	979.267
48.5	871.188	888.655	921.952	954.704	967.259
49.0	857.541	873.917	907.760	942.149	954.704
49.5	843.349	860.271	894.660	930.140	942.695
50.0	828.611	846.078	881.559	917.040	930.140
50.5	814.965	832.432	867.913	906.123	918.677
51.0	800.772	818.240	855.904	893.568	906.668
51.5	787.126	804.047	842.257	881.559	894.660
52.0	772.388	790.401	829.157	869.004	882.651
52.5	758.195	776.209	816.602	856.450	871.188
53.0	743.457	762.562	803.502	845.533	858.633
53.5	729.265	748.916	790.947	832.978	847.170
54.0	715.619	735.269	778.392	820.969	835.707
54.5	702.518	721.077	765.837	810.052	824.244

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**CANDELA TABULATION - (Cont.)**

55.0	688.872	707.977	753.283	797.497	813.873
55.5	677.409	694.330	740.728	786.034	801.318
56.0	664.308	682.321	728.719	774.571	789.855
56.5	650.662	669.767	716.164	763.108	778.938
57.0	637.561	657.212	704.156	751.645	767.475
57.5	623.915	644.111	693.784	740.728	754.920
58.0	610.268	631.011	681.775	728.719	745.641
58.5	597.168	617.910	669.767	718.348	734.724
59.0	584.067	604.810	658.304	709.068	723.261
59.5	570.966	592.255	647.932	697.605	714.527
60.0	557.866	579.154	636.469	686.688	703.610
60.5	545.038	566.600	625.006	676.317	692.693
61.0	532.156	554.045	613.543	665.946	682.321
61.5	519.383	541.599	602.080	655.574	672.496
62.0	506.828	529.263	591.163	645.749	662.125
62.5	494.437	517.036	579.700	635.923	652.299
63.0	481.883	504.863	568.783	625.552	643.565
63.5	469.437	492.854	558.412	615.727	633.740
64.0	457.319	481.009	547.495	605.355	623.915
64.5	445.256	469.437	537.123	595.530	614.089
65.0	433.301	457.810	526.697	585.705	604.810
65.5	421.511	446.456	516.381	575.879	594.984
66.0	409.557	435.103	506.173	566.054	585.705
66.5	397.875	424.022	496.020	556.774	576.425
67.0	386.467	413.050	485.922	546.949	567.145
67.5	375.004	402.242	476.042	537.778	557.866
68.0	363.705	391.707	466.216	528.499	549.132
68.5	352.569	381.227	456.609	519.492	540.016
69.0	341.488	370.855	447.111	510.431	531.392
69.5	330.571	360.702	437.723	501.643	522.822
70.0	319.708	350.713	428.498	493.018	514.306
70.5	309.119	340.833	419.273	484.394	505.900
71.0	298.638	331.062	410.212	475.878	497.603
71.5	288.267	321.510	401.369	467.581	489.415
72.0	278.114	311.903	392.526	459.339	481.446
72.5	267.907	302.623	383.901	451.260	473.531
73.0	257.972	293.398	375.331	443.290	465.561
73.5	248.310	284.282	367.034	435.376	457.810
74.0	238.758	275.439	358.628	427.734	450.005
74.5	229.369	266.542	350.604	420.146	442.635
75.0	220.035	257.863	342.634	412.722	435.485
75.5	210.865	249.402	334.774	405.353	428.225
76.0	201.967	241.105	327.132	398.039	421.129
76.5	193.124	232.917	319.545	390.888	414.033
77.0	184.390	224.784	312.066	383.792	407.155
77.5	175.821	216.869	304.697	376.914	400.332
78.0	167.360	209.118	297.547	370.146	393.617
78.5	159.063	201.476	290.451	363.322	386.958
79.0	150.929	194.052	283.573	356.718	380.408
79.5	142.851	186.683	276.804	350.276	373.857
80.0	134.881	179.423	270.035	343.890	367.635
80.5	127.130	172.382	263.485	337.449	361.303
81.0	119.597	165.449	257.208	331.226	355.135
81.5	111.955	158.681	250.930	325.058	348.966
82.0	104.586	152.076	244.817	319.108	343.017
82.5	97.381	145.580	238.812	313.158	337.176

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**CANDELA TABULATION - (Cont.)**

83.0	90.285	139.248	232.917	307.427	331.499
83.5	83.243	133.080	227.295	301.586	325.604
84.0	76.365	127.076	221.836	296.073	319.981
84.5	69.542	121.289	216.487	290.614	314.468
85.0	62.992	115.667	211.247	285.210	308.955
85.5	56.442	110.318	206.116	279.970	303.606
86.0	50.001	105.187	201.094	274.839	298.311
86.5	43.614	100.383	196.345	269.708	293.016
87.0	37.337	95.743	191.541	264.850	287.830
87.5	31.059	91.431	187.011	259.937	282.863
88.0	24.836	87.228	182.535	255.188	277.841
88.5	18.559	83.298	178.222	250.494	272.983
89.0	12.828	79.586	174.128	245.963	268.180
89.5	8.133	76.147	170.144	241.596	263.485
90.0	4.858	73.090	166.486	237.448	259.173
90.5	3.439	70.416	163.102	233.299	254.588
91.0	3.657	67.959	159.663	229.096	250.221
91.5	4.367	65.612	156.224	225.111	245.854
92.0	5.186	63.647	152.949	221.072	241.596
92.5	6.059	61.955	150.165	217.197	237.393
93.0	6.932	60.481	147.272	213.539	233.354
93.5	7.860	59.335	144.543	209.937	229.533
94.0	8.843	58.352	141.977	206.552	225.821
94.5	9.771	57.643	139.576	203.113	222.000
95.0	10.699	57.097	137.338	199.729	218.343
95.5	11.572	56.715	135.263	196.509	214.740
96.0	12.282	56.551	133.462	193.397	211.192
96.5	12.991	56.551	131.661	190.504	207.917
97.0	13.646	56.605	130.023	187.720	204.642
97.5	14.356	56.824	128.495	185.046	201.640
98.0	14.956	57.042	127.130	182.425	198.583
98.5	15.666	57.315	125.984	179.914	195.744
99.0	16.376	57.643	124.783	177.567	192.960
99.5	17.140	58.025	123.746	175.329	190.231
100.0	17.795	58.407	122.927	173.255	187.775
100.5	18.559	58.843	122.108	171.235	185.264
101.0	19.214	59.280	121.508	169.325	183.026
101.5	19.869	59.717	120.907	167.524	180.733
102.0	20.470	60.153	120.471	165.831	178.714
102.5	21.070	60.590	120.034	164.248	176.694
103.0	21.671	61.081	119.706	162.665	174.893
103.5	22.326	61.573	119.434	161.301	173.037
104.0	23.035	62.009	119.161	160.045	171.345
104.5	23.745	62.501	118.997	158.844	169.762
105.0	24.400	62.992	118.833	157.753	168.233
105.5	25.000	63.429	118.669	156.606	166.923
106.0	25.710	63.974	118.615	155.624	165.613
106.5	26.365	64.466	118.615	154.696	164.303
107.0	27.020	65.012	118.615	153.823	163.211
107.5	27.620	65.448	118.615	153.167	162.065
108.0	28.385	65.994	118.615	152.403	160.919
108.5	29.094	66.540	118.669	151.857	160.154
109.0	29.804	66.977	118.778	151.148	159.390
109.5	30.568	67.468	118.833	150.657	158.571
110.0	31.332	67.959	118.942	150.111	157.916
110.5	32.096	68.450	119.051	149.619	157.316

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**CANDELA TABULATION - (Cont.)**

111.0	32.861	68.942	119.106	149.183	156.661
111.5	33.625	69.378	119.161	148.855	156.115
112.0	34.444	69.870	119.270	148.528	155.460
112.5	35.262	70.361	119.379	148.146	154.860
113.0	36.136	70.852	119.543	147.873	154.587
113.5	36.955	71.289	119.543	147.600	154.205
114.0	37.828	71.726	119.652	147.381	153.823
114.5	38.647	72.217	119.761	147.108	153.495
115.0	39.520	72.599	119.870	146.945	153.222
115.5	40.393	73.090	119.870	146.781	152.949
116.0	41.212	73.527	120.034	146.563	152.622
116.5	41.976	73.964	120.143	146.344	152.512
117.0	42.850	74.455	120.252	146.344	152.240
117.5	43.669	74.837	120.361	146.126	152.076
118.0	44.378	75.219	120.471	146.017	151.857
118.5	45.197	75.601	120.525	145.853	151.803
119.0	45.907	75.983	120.634	145.689	151.475
119.5	46.671	76.256	120.744	145.525	151.421
120.0	47.380	76.529	120.689	145.416	151.148
120.5	48.090	76.857	120.744	145.198	151.093
121.0	48.800	77.075	120.853	145.034	150.875
121.5	49.564	77.348	120.798	144.816	150.766
122.0	50.273	77.675	120.798	144.707	150.602
122.5	50.983	78.003	120.853	144.488	150.220
123.0	51.693	78.330	120.798	144.270	150.165
123.5	52.348	78.603	120.689	144.106	149.838
124.0	52.894	78.822	120.689	143.942	149.783
124.5	53.439	79.040	120.689	143.670	149.565
125.0	53.985	79.313	120.580	143.397	149.346
125.5	54.531	79.477	120.471	143.233	149.074
126.0	55.022	79.695	120.416	142.905	148.855
126.5	55.459	79.968	120.307	142.687	148.691
127.0	55.950	80.077	120.198	142.414	148.473
127.5	56.332	80.241	120.034	142.141	148.091
128.0	56.824	80.241	119.979	141.814	147.873
128.5	57.206	80.350	119.761	141.541	147.654
129.0	57.588	80.459	119.543	141.268	147.381
129.5	57.915	80.623	119.161	140.831	147.054
130.0	58.188	80.732	118.778	140.558	146.726
130.5	58.461	80.841	118.342	140.231	146.344
131.0	58.625	81.005	117.905	139.739	145.962
131.5	58.843	81.169	117.468	139.303	145.580
132.0	59.062	81.333	116.977	139.030	145.253
132.5	59.171	81.387	116.431	138.484	144.761
133.0	59.335	81.442	116.213	137.993	144.161
133.5	59.389	81.387	115.885	137.611	143.888
134.0	59.444	81.278	115.667	137.174	143.506
134.5	59.608	81.060	115.394	136.683	142.796
135.0	59.771	80.896	115.067	136.028	142.250
135.5	59.717	80.459	114.794	135.591	141.814
136.0	59.826	80.405	114.412	135.045	141.268
136.5	59.935	80.241	114.139	134.445	140.722
137.0	59.990	79.968	113.702	133.953	140.121
137.5	60.044	79.695	113.320	133.298	139.576
138.0	60.153	79.531	112.774	132.752	138.921
138.5	60.153	79.313	112.064	132.152	138.429

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

139.0	60.099	79.149	111.246	131.442	137.665
139.5	60.099	78.931	110.263	130.678	137.119
140.0	60.099	78.658	109.171	129.969	136.355
140.5	60.099	78.494	108.189	129.095	135.536
141.0	60.099	78.385	107.097	128.167	134.881
141.5	60.099	78.167	106.005	127.348	134.226
142.0	60.044	78.058	104.968	126.311	133.517
142.5	59.990	77.894	103.877	125.383	132.698
143.0	59.935	77.730	102.839	124.510	131.879
143.5	59.935	77.512	101.639	123.582	131.115
144.0	59.935	77.239	100.601	122.872	130.241
144.5	60.099	77.020	99.564	122.054	129.477
145.0	60.317	76.802	98.418	121.344	128.604
145.5	60.699	76.529	97.381	120.634	127.731
146.0	61.191	76.311	96.398	119.870	126.912
146.5	61.682	76.092	95.580	119.051	125.984
147.0	62.173	75.820	94.652	118.233	125.056
147.5	62.610	75.710	93.942	117.414	124.128
148.0	63.101	75.492	93.178	116.486	123.145
148.5	63.538	75.437	92.577	115.613	122.163
149.0	64.084	75.437	91.922	114.739	121.289
149.5	64.466	75.601	91.322	113.811	120.198
150.0	64.902	75.710	90.721	112.938	119.051
150.5	65.284	75.765	90.066	111.955	117.851
151.0	65.557	75.929	89.193	110.973	116.431
151.5	65.830	75.983	88.265	109.936	115.121
152.0	66.158	76.092	87.392	108.844	113.811
152.5	66.485	76.202	86.573	107.698	112.392
153.0	66.704	76.256	85.700	106.388	111.246
153.5	66.977	76.420	84.772	105.023	109.936
154.0	67.195	76.365	83.953	103.494	108.844
154.5	67.468	76.420	83.243	102.021	107.752
155.0	67.577	76.529	82.534	100.329	106.933
155.5	67.795	76.584	81.824	98.746	106.060
156.0	67.959	76.584	81.333	97.053	105.296
156.5	68.232	76.584	80.841	95.361	104.313
157.0	68.341	76.693	80.350	93.833	103.385
157.5	68.505	76.693	80.023	92.359	102.348
158.0	68.723	76.638	79.859	90.831	101.366
158.5	68.778	76.638	79.641	89.575	100.219
159.0	69.051	76.475	79.477	88.374	99.237
159.5	69.269	76.365	79.204	87.228	98.145
160.0	69.542	76.256	78.931	86.300	97.053
160.5	69.870	76.202	78.713	85.427	96.016
161.0	70.088	76.038	78.658	84.499	94.979
161.5	70.416	75.983	78.549	83.571	94.215
162.0	70.688	75.874	78.713	82.807	93.560
162.5	70.961	75.874	78.822	81.988	92.796
163.0	71.289	75.820	78.876	81.114	92.141
163.5	71.562	75.820	78.986	80.186	91.322
164.0	71.671	75.820	79.095	79.040	90.558
164.5	71.835	75.710	78.986	78.167	89.575
165.0	71.999	75.710	78.822	77.293	88.593
165.5	72.162	75.656	78.658	76.693	87.555
166.0	72.326	75.601	78.549	76.038	85.972
166.5	72.490	75.601	78.385	75.492	85.208

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

167.0	72.708	75.601	78.221	75.001	84.608
167.5	72.817	75.601	77.894	74.564	84.007
168.0	72.981	75.601	77.621	74.127	83.516
168.5	73.309	75.383	77.239	73.745	82.916
169.0	73.472	75.437	76.966	73.363	82.315
169.5	73.745	75.274	76.529	72.926	81.660
170.0	73.854	75.219	76.147	72.381	81.060
170.5	74.018	75.110	75.656	71.780	80.405
171.0	74.127	75.001	75.110	71.125	79.586
171.5	74.291	75.001	74.619	70.525	78.931
172.0	74.564	74.892	74.346	69.924	77.948
172.5	74.728	74.892	74.018	69.269	76.857
173.0	74.946	74.782	73.745	68.669	75.001
173.5	75.219	74.837	73.636	68.068	72.217
174.0	75.437	74.837	73.582	67.577	68.778
174.5	75.601	74.837	73.472	67.086	64.684
175.0	75.929	75.001	73.418	66.704	60.044
175.5	76.038	75.055	73.363	66.540	55.186
176.0	76.256	75.165	73.363	66.376	52.020
176.5	76.311	75.219	73.309	66.376	49.782
177.0	76.529	75.328	73.199	66.212	47.490
177.5	76.584	75.328	73.036	66.158	46.998
178.0	76.802	75.437	72.981	66.103	47.107
178.5	76.911	75.492	73.036	65.994	47.217
179.0	77.020	75.492	72.981	65.830	47.271
179.5	77.130	75.492	72.926	65.776	47.326
180.0	69.160	69.160	69.160	69.160	69.160



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L65-950-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	624.94	N.A.	11.70
0-30	1309.46	N.A.	24.50
0-40	2103.46	N.A.	39.40
0-60	3559.83	N.A.	66.70
0-80	4434.91	N.A.	83.10
0-90	4654.99	N.A.	87.30
10-90	4492.07	N.A.	84.20
20-40	1478.52	N.A.	27.70
20-50	2260.42	N.A.	42.40
40-70	1975.15	N.A.	37.00
60-80	875.08	N.A.	16.40
70-80	356.30	N.A.	6.70
80-90	220.08	N.A.	4.10
90-110	257.06	N.A.	4.80
90-120	365.27	N.A.	6.80
90-130	464.87	N.A.	8.70
90-150	610.29	N.A.	11.40
90-180	679.81	N.A.	12.70
110-180	422.75	N.A.	7.90
0-180	5334.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	162.92
10-20	462.01
20-30	684.52
30-40	794.00
40-50	781.90
50-60	674.47
60-70	518.78
70-80	356.30
80-90	220.08
90-100	141.01
100-110	116.05
110-120	108.22
120-130	99.60
130-140	83.70
140-150	61.72
150-160	40.36
160-170	22.24
170-180	6.93

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L65-950-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**  
**PHOTOMETRIC FILENAME : 75W-4-L65-950-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

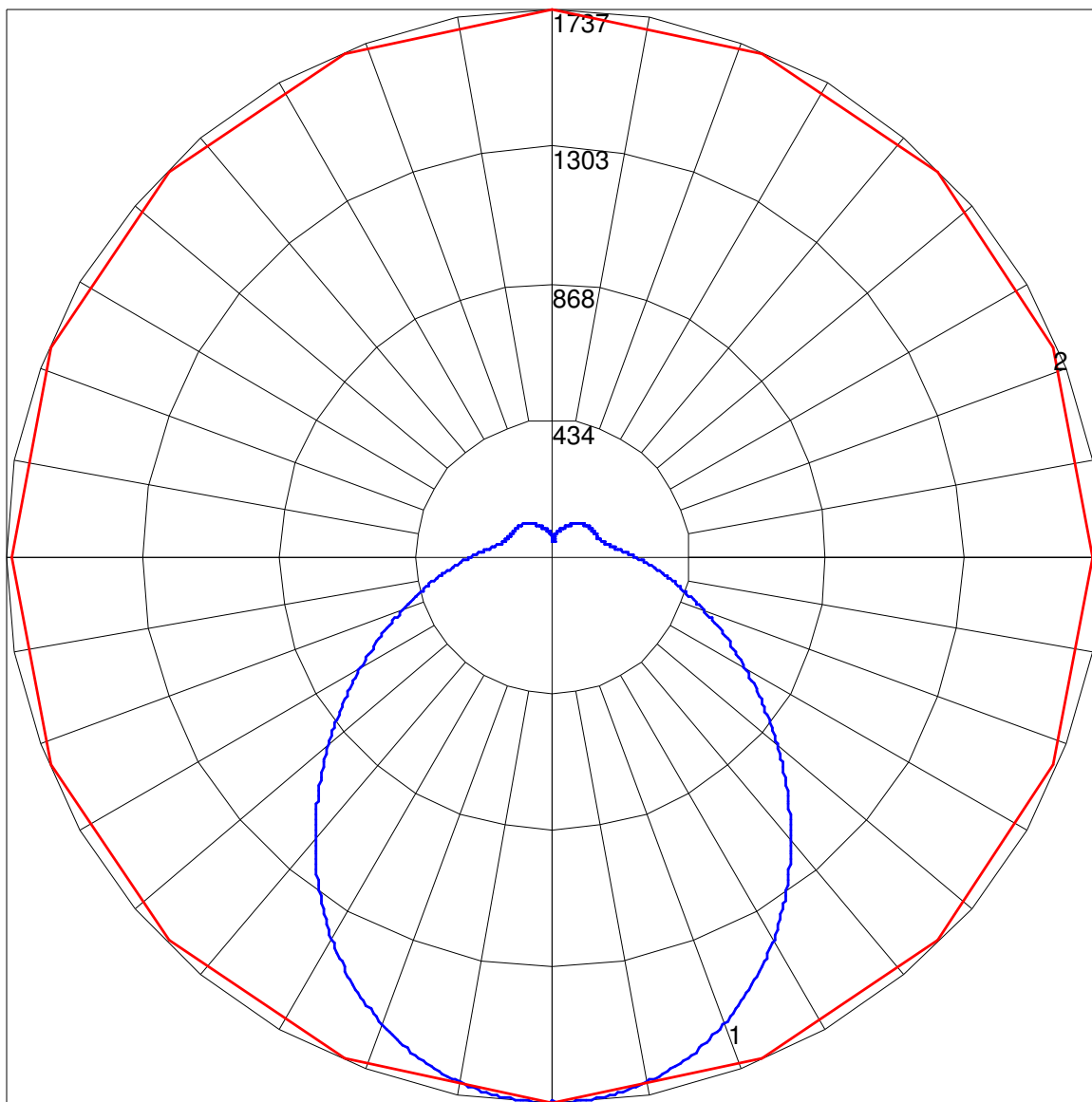
Reflectances

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	17.6	19.0	18.2	19.5	20.1	19.3	20.6	19.8	21.2	21.8
	3H	19.0	20.2	19.5	20.8	21.4	21.5	22.7	22.0	23.3	23.9
	4H	19.4	20.6	20.0	21.2	21.8	22.5	23.7	23.1	24.3	25.0
	6H	19.7	20.8	20.3	21.4	22.1	23.7	24.7	24.3	25.3	26.0
	8H	19.8	20.8	20.4	21.4	22.1	24.2	25.3	24.9	25.9	26.6
	12H	19.8	20.8	20.4	21.4	22.1	24.9	25.9	25.5	26.5	27.2
4H	2H	18.3	19.5	18.9	20.1	20.8	19.7	20.8	20.3	21.4	22.1
	3H	19.9	20.9	20.5	21.5	22.2	22.1	23.1	22.7	23.7	24.4
	4H	20.5	21.4	21.1	22.0	22.8	23.4	24.2	24.0	24.9	25.6
	6H	20.9	21.7	21.6	22.4	23.1	24.7	25.5	25.3	26.1	26.9
	8H	21.0	21.8	21.7	22.4	23.2	25.4	26.1	26.0	26.8	27.5
	12H	21.1	21.8	21.8	22.5	23.2	26.2	26.8	26.8	27.5	28.3
8H	4H	21.1	21.8	21.7	22.5	23.2	23.5	24.3	24.2	24.9	25.7
	6H	21.7	22.3	22.3	23.0	23.7	25.1	25.7	25.7	26.4	27.1
	8H	21.9	22.4	22.5	23.1	23.9	25.9	26.5	26.6	27.2	27.9
	12H	22.0	22.5	22.7	23.2	24.0	26.9	27.4	27.6	28.1	28.9
12H	4H	21.2	21.9	21.9	22.6	23.3	23.6	24.2	24.2	24.9	25.7
	6H	21.9	22.5	22.6	23.2	24.0	25.1	25.7	25.8	26.3	27.1
	8H	22.2	22.7	22.9	23.4	24.2	26.0	26.5	26.7	27.2	28.0

Maximum UGR = 28.9

POLAR GRAPH



Maximum Candela = 1736.917 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.)