

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L65-830-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-L65-830-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	5934
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	140
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	13020	11663	11548
55	11275	9984	10138
65	9478	8551	9035
75	7601	7470	8445
85	5575	7348	8922

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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	1920.539	1920.539	1920.539	1920.539	1920.539
0.5	1911.432	1918.718	1919.932	1919.325	1932.076
1.0	1911.432	1919.325	1919.325	1918.718	1931.469
1.5	1909.610	1919.325	1918.718	1918.111	1932.076
2.0	1909.003	1917.503	1918.718	1917.503	1930.254
2.5	1909.003	1917.503	1916.896	1916.896	1929.040
3.0	1907.181	1915.682	1915.682	1915.682	1927.826
3.5	1905.967	1913.860	1913.860	1914.467	1926.611
4.0	1904.752	1912.646	1912.646	1912.039	1925.397
4.5	1901.717	1910.824	1911.432	1910.824	1923.575
5.0	1899.895	1909.003	1909.003	1909.003	1921.754
5.5	1897.466	1906.574	1906.574	1907.181	1919.325
6.0	1896.252	1903.538	1904.145	1904.145	1916.896
6.5	1892.001	1901.109	1901.717	1901.717	1913.860
7.0	1889.573	1898.073	1898.681	1898.073	1911.432
7.5	1887.144	1894.430	1895.645	1895.645	1908.396
8.0	1884.108	1892.001	1892.001	1892.001	1904.145
8.5	1881.072	1887.751	1888.966	1888.966	1900.502
9.0	1876.215	1884.715	1885.322	1884.715	1896.252
9.5	1873.179	1880.465	1880.465	1880.465	1893.823
10.0	1868.321	1875.607	1875.607	1876.822	1888.966
10.5	1864.071	1871.357	1871.964	1871.964	1884.715
11.0	1859.820	1867.107	1867.714	1867.107	1879.858
11.5	1854.356	1862.249	1863.464	1862.249	1875.607
12.0	1849.498	1856.785	1857.999	1857.999	1870.143
12.5	1844.641	1851.320	1853.141	1851.927	1865.285
13.0	1839.176	1846.462	1847.677	1847.069	1859.820
13.5	1833.711	1840.390	1841.605	1841.605	1854.963
14.0	1827.032	1834.319	1835.533	1835.533	1848.284
14.5	1821.568	1828.247	1829.461	1829.461	1843.426
15.0	1816.103	1822.175	1822.782	1822.782	1836.140
15.5	1809.424	1814.888	1816.710	1816.710	1828.854
16.0	1802.137	1808.209	1810.031	1810.031	1822.782
16.5	1796.066	1800.923	1802.745	1803.352	1816.103
17.0	1787.565	1793.030	1795.458	1796.066	1808.817
17.5	1780.279	1785.743	1788.172	1788.779	1801.530
18.0	1773.600	1778.457	1780.279	1782.100	1794.851
18.5	1765.706	1771.171	1772.992	1774.207	1786.958
19.0	1757.813	1762.063	1765.099	1766.313	1778.457
19.5	1748.705	1754.777	1757.205	1759.634	1770.564
20.0	1738.990	1745.669	1748.705	1750.526	1762.063
20.5	1729.275	1737.775	1740.204	1742.633	1754.170
21.0	1721.381	1728.060	1729.882	1734.739	1745.669
21.5	1712.273	1718.953	1721.989	1724.417	1736.561
22.0	1702.558	1710.452	1713.488	1715.917	1728.668
22.5	1694.058	1699.523	1703.773	1707.416	1719.560
23.0	1683.736	1689.807	1694.058	1697.701	1709.845
23.5	1672.806	1679.485	1684.950	1688.593	1700.737
24.0	1661.877	1669.163	1674.628	1678.878	1691.022
24.5	1652.769	1658.841	1664.913	1668.556	1680.092
25.0	1642.447	1648.519	1655.198	1658.841	1670.377
25.5	1630.910	1638.196	1643.661	1649.126	1658.841
26.0	1619.981	1626.660	1633.946	1638.804	1649.733
26.5	1608.444	1615.123	1623.624	1627.874	1639.411

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**CANDELA TABULATION - (Cont.)**

27.0	1596.908	1602.979	1613.302	1618.766	1629.089
27.5	1583.549	1591.443	1601.765	1606.623	1618.766
28.0	1573.834	1579.906	1590.228	1595.693	1607.230
28.5	1561.083	1568.370	1578.692	1584.157	1595.693
29.0	1548.940	1556.226	1566.548	1573.227	1584.764
29.5	1536.189	1543.475	1554.404	1561.083	1572.620
30.0	1523.438	1531.331	1542.261	1550.761	1562.298
30.5	1510.079	1517.973	1530.724	1539.225	1550.154
31.0	1497.329	1505.222	1517.973	1527.081	1537.403
31.5	1483.970	1493.078	1505.829	1515.544	1526.474
32.0	1471.219	1479.113	1493.685	1502.793	1513.723
32.5	1457.254	1465.755	1480.934	1490.649	1501.579
33.0	1443.896	1453.004	1466.969	1478.506	1489.435
33.5	1431.145	1439.646	1454.825	1465.147	1476.684
34.0	1415.965	1425.680	1441.467	1453.004	1465.147
34.5	1402.000	1412.322	1428.716	1439.646	1451.789
35.0	1389.249	1397.749	1415.965	1427.502	1439.038
35.5	1372.855	1384.391	1402.000	1414.144	1425.680
36.0	1360.104	1369.819	1388.642	1400.785	1412.929
36.5	1344.317	1355.246	1374.676	1388.034	1400.785
37.0	1329.744	1341.281	1360.711	1374.069	1388.034
37.5	1314.565	1326.101	1347.353	1361.925	1374.069
38.0	1299.385	1311.529	1332.780	1347.960	1359.497
38.5	1283.598	1296.349	1318.815	1335.209	1346.138
39.0	1269.633	1281.169	1304.242	1321.244	1335.209
39.5	1253.846	1267.204	1290.277	1307.278	1320.636
40.0	1236.844	1251.417	1275.704	1294.527	1306.671
40.5	1221.057	1236.237	1261.739	1281.169	1293.313
41.0	1206.485	1221.057	1247.167	1267.204	1279.348
41.5	1190.698	1205.878	1232.594	1253.238	1265.989
42.0	1174.911	1190.698	1218.021	1239.880	1252.631
42.5	1159.731	1174.911	1202.842	1225.915	1238.666
43.0	1142.730	1159.731	1188.876	1212.557	1225.308
43.5	1128.157	1143.944	1173.697	1198.591	1211.950
44.0	1111.763	1128.157	1158.517	1185.233	1197.984
44.5	1096.584	1112.978	1143.337	1170.661	1184.019
45.0	1080.797	1097.191	1128.765	1157.910	1171.268
45.5	1065.010	1082.011	1114.192	1144.552	1157.910
46.0	1049.223	1066.224	1098.405	1129.979	1143.944
46.5	1033.436	1050.437	1085.047	1117.835	1130.586
47.0	1017.042	1035.258	1069.867	1103.263	1117.228
47.5	1001.255	1019.471	1054.688	1089.297	1103.263
48.0	986.075	1003.684	1039.508	1076.546	1089.297
48.5	969.074	988.504	1025.543	1061.974	1075.939
49.0	953.894	972.110	1009.756	1048.009	1061.974
49.5	938.107	956.930	995.183	1034.650	1048.616
50.0	921.713	941.143	980.611	1020.078	1034.650
50.5	906.533	925.963	965.431	1007.934	1021.899
51.0	890.747	910.177	952.073	993.969	1008.541
51.5	875.567	894.390	936.893	980.611	995.183
52.0	859.173	879.210	922.320	966.645	981.825
52.5	843.386	863.423	908.355	952.680	969.074
53.0	826.992	848.243	893.782	940.536	955.109
53.5	811.205	833.064	879.817	926.571	942.358
54.0	796.025	817.884	865.852	913.213	929.607
54.5	781.452	802.097	851.886	901.069	916.856

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**CANDELA TABULATION - (Cont.)**

55.0	766.273	787.524	837.921	887.103	905.319
55.5	753.522	772.345	823.956	874.352	891.354
56.0	738.949	758.986	810.598	861.601	878.603
56.5	723.770	745.021	796.632	848.850	866.459
57.0	709.197	731.056	783.274	836.099	853.708
57.5	694.017	716.483	771.737	823.956	839.743
58.0	678.838	701.911	758.379	810.598	829.420
58.5	664.265	687.338	745.021	799.061	817.277
59.0	649.692	672.766	732.270	788.739	804.526
59.5	635.120	658.800	720.734	775.988	794.811
60.0	620.547	644.228	707.983	763.844	782.667
60.5	606.278	630.262	695.232	752.307	770.523
61.0	591.949	616.297	682.481	740.771	758.986
61.5	577.741	602.453	669.730	729.234	748.057
62.0	563.775	588.731	657.586	718.305	736.520
62.5	549.992	575.130	644.835	707.375	725.591
63.0	536.027	561.589	632.691	695.839	715.876
63.5	522.183	548.231	621.155	684.909	704.947
64.0	508.703	535.055	609.011	673.373	694.017
64.5	495.284	522.183	597.474	662.443	683.088
65.0	481.987	509.250	585.877	651.514	672.766
65.5	468.871	496.620	574.401	640.585	661.836
66.0	455.574	483.990	563.047	629.655	651.514
66.5	442.580	471.665	551.753	619.333	641.192
67.0	429.890	459.460	540.520	608.404	630.870
67.5	417.139	447.438	529.530	598.203	620.547
68.0	404.570	435.719	518.600	587.881	610.832
68.5	392.183	424.061	507.914	577.862	600.692
69.0	379.858	412.524	497.349	567.783	591.099
69.5	367.714	401.231	486.905	558.007	581.566
70.0	355.631	390.119	476.644	548.413	572.094
70.5	343.851	379.129	466.382	538.820	562.743
71.0	332.193	368.260	456.303	529.348	553.514
71.5	320.657	357.634	446.466	520.118	544.406
72.0	309.363	346.948	436.630	510.950	535.541
72.5	298.008	336.626	427.036	501.963	526.737
73.0	286.958	326.364	417.503	493.098	517.872
73.5	276.210	316.224	408.274	484.294	509.250
74.0	265.585	306.388	398.923	475.793	500.567
74.5	255.141	296.490	389.998	467.354	492.370
75.0	244.758	286.836	381.133	459.096	484.416
75.5	234.557	277.425	372.389	450.899	476.340
76.0	224.660	268.195	363.888	442.762	468.446
76.5	214.824	259.088	355.449	434.808	460.553
77.0	205.109	250.041	347.130	426.915	452.902
77.5	195.576	241.236	338.933	419.264	445.313
78.0	186.164	232.614	330.979	411.735	437.844
78.5	176.935	224.114	323.085	404.145	430.436
79.0	167.888	215.856	315.435	396.798	423.150
79.5	158.901	207.659	307.906	389.633	415.864
80.0	150.036	199.583	300.376	382.529	408.942
80.5	141.414	191.750	293.090	375.364	401.899
81.0	133.035	184.039	286.108	368.442	395.037
81.5	124.535	176.510	279.125	361.581	388.176
82.0	116.337	169.163	272.324	354.963	381.558
82.5	108.323	161.937	265.645	348.344	375.061

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**CANDELA TABULATION - (Cont.)**

83.0	100.429	154.894	259.088	341.969	368.746
83.5	92.596	148.033	252.834	335.472	362.188
84.0	84.946	141.354	246.762	329.339	355.934
84.5	77.356	134.917	240.811	323.268	349.802
85.0	70.070	128.663	234.982	317.256	343.669
85.5	62.783	122.713	229.275	311.427	337.719
86.0	55.619	117.005	223.688	305.720	331.829
86.5	48.514	111.662	218.406	300.012	325.939
87.0	41.532	106.501	213.063	294.608	320.171
87.5	34.549	101.704	208.023	289.143	314.645
88.0	27.627	97.029	203.044	283.861	309.059
88.5	20.644	92.657	198.247	278.639	303.655
89.0	14.269	88.528	193.693	273.599	298.312
89.5	9.047	84.703	189.261	268.742	293.090
90.0	5.404	81.303	185.193	264.127	288.293
90.5	3.825	78.327	181.428	259.513	283.193
91.0	4.068	75.595	177.603	254.837	278.336
91.5	4.858	72.984	173.778	250.405	273.478
92.0	5.768	70.798	170.134	245.912	268.742
92.5	6.740	68.916	167.038	241.601	264.067
93.0	7.711	67.277	163.820	237.532	259.573
93.5	8.744	66.001	160.784	233.525	255.323
94.0	9.836	64.909	157.930	229.760	251.194
94.5	10.869	64.119	155.258	225.935	246.944
95.0	11.901	63.512	152.769	222.171	242.876
95.5	12.872	63.087	150.461	218.588	238.868
96.0	13.662	62.905	148.458	215.127	234.921
96.5	14.451	62.905	146.454	211.909	231.278
97.0	15.180	62.966	144.632	208.812	227.635
97.5	15.969	63.208	142.932	205.837	224.296
98.0	16.637	63.451	141.414	202.923	220.895
98.5	17.426	63.755	140.139	200.130	217.738
99.0	18.216	64.119	138.803	197.519	214.641
99.5	19.066	64.544	137.650	195.029	211.605
100.0	19.794	64.969	136.739	192.722	208.873
100.5	20.644	65.455	135.828	190.475	206.080
101.0	21.373	65.941	135.160	188.350	203.591
101.5	22.102	66.426	134.492	186.346	201.040
102.0	22.770	66.912	134.007	184.464	198.794
102.5	23.438	67.398	133.521	182.703	196.547
103.0	24.105	67.944	133.157	180.942	194.543
103.5	24.834	68.491	132.853	179.424	192.479
104.0	25.623	68.977	132.549	178.028	190.597
104.5	26.413	69.523	132.367	176.692	188.836
105.0	27.141	70.070	132.185	175.478	187.136
105.5	27.809	70.555	132.003	174.203	185.678
106.0	28.599	71.163	131.942	173.110	184.221
106.5	29.327	71.709	131.942	172.077	182.764
107.0	30.056	72.316	131.942	171.106	181.550
107.5	30.724	72.802	131.942	170.377	180.274
108.0	31.574	73.409	131.942	169.527	178.999
108.5	32.363	74.016	132.003	168.920	178.149
109.0	33.153	74.502	132.124	168.131	177.299
109.5	34.003	75.049	132.185	167.584	176.388
110.0	34.853	75.595	132.307	166.977	175.660
110.5	35.703	76.142	132.428	166.431	174.992

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**CANDELA TABULATION - (Cont.)**

111.0	36.553	76.688	132.489	165.945	174.263
111.5	37.403	77.174	132.549	165.580	173.656
112.0	38.314	77.720	132.671	165.216	172.927
112.5	39.224	78.267	132.792	164.791	172.260
113.0	40.196	78.813	132.974	164.488	171.956
113.5	41.107	79.299	132.974	164.184	171.531
114.0	42.078	79.785	133.096	163.941	171.106
114.5	42.989	80.331	133.217	163.637	170.742
115.0	43.960	80.756	133.339	163.455	170.438
115.5	44.932	81.303	133.339	163.273	170.134
116.0	45.843	81.788	133.521	163.030	169.770
116.5	46.693	82.274	133.642	162.787	169.649
117.0	47.664	82.821	133.764	162.787	169.345
117.5	48.575	83.246	133.885	162.545	169.163
118.0	49.364	83.671	134.007	162.423	168.920
118.5	50.275	84.096	134.067	162.241	168.859
119.0	51.065	84.521	134.189	162.059	168.495
119.5	51.915	84.824	134.310	161.877	168.434
120.0	52.704	85.128	134.250	161.755	168.131
120.5	53.493	85.492	134.310	161.512	168.070
121.0	54.283	85.735	134.432	161.330	167.827
121.5	55.133	86.039	134.371	161.087	167.706
122.0	55.922	86.403	134.371	160.966	167.523
122.5	56.711	86.767	134.432	160.723	167.098
123.0	57.501	87.132	134.371	160.480	167.038
123.5	58.229	87.435	134.250	160.298	166.673
124.0	58.837	87.678	134.250	160.116	166.613
124.5	59.444	87.921	134.250	159.812	166.370
125.0	60.051	88.225	134.128	159.509	166.127
125.5	60.658	88.407	134.007	159.326	165.823
126.0	61.205	88.650	133.946	158.962	165.580
126.5	61.690	88.953	133.824	158.719	165.398
127.0	62.237	89.075	133.703	158.416	165.155
127.5	62.662	89.257	133.521	158.112	164.730
128.0	63.208	89.257	133.460	157.748	164.488
128.5	63.633	89.378	133.217	157.444	164.245
129.0	64.058	89.500	132.974	157.141	163.941
129.5	64.423	89.682	132.549	156.655	163.577
130.0	64.726	89.803	132.124	156.351	163.212
130.5	65.030	89.925	131.639	155.987	162.787
131.0	65.212	90.107	131.153	155.440	162.362
131.5	65.455	90.289	130.667	154.955	161.937
132.0	65.698	90.471	130.121	154.651	161.573
132.5	65.819	90.532	129.513	154.044	161.027
133.0	66.001	90.593	129.271	153.497	160.359
133.5	66.062	90.532	128.906	153.072	160.055
134.0	66.123	90.410	128.663	152.587	159.630
134.5	66.305	90.168	128.360	152.040	158.841
135.0	66.487	89.985	127.995	151.312	158.233
135.5	66.426	89.500	127.692	150.826	157.748
136.0	66.548	89.439	127.267	150.219	157.141
136.5	66.669	89.257	126.963	149.551	156.533
137.0	66.730	88.953	126.478	149.004	155.865
137.5	66.791	88.650	126.052	148.276	155.258
138.0	66.912	88.467	125.445	147.668	154.530
138.5	66.912	88.225	124.656	147.001	153.983

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

139.0	66.852	88.042	123.745	146.211	153.133
139.5	66.852	87.800	122.652	145.361	152.526
140.0	66.852	87.496	121.438	144.572	151.676
140.5	66.852	87.314	120.345	143.600	150.765
141.0	66.852	87.192	119.131	142.568	150.036
141.5	66.852	86.949	117.916	141.657	149.308
142.0	66.791	86.828	116.762	140.504	148.518
142.5	66.730	86.646	115.548	139.471	147.608
143.0	66.669	86.464	114.394	138.500	146.697
143.5	66.669	86.221	113.059	137.468	145.847
144.0	66.669	85.917	111.905	136.678	144.875
144.5	66.852	85.674	110.751	135.768	144.025
145.0	67.094	85.432	109.476	134.978	143.054
145.5	67.519	85.128	108.323	134.189	142.082
146.0	68.066	84.885	107.230	133.339	141.171
146.5	68.612	84.642	106.319	132.428	140.139
147.0	69.159	84.339	105.287	131.517	139.107
147.5	69.645	84.217	104.497	130.606	138.075
148.0	70.191	83.974	103.647	129.574	136.982
148.5	70.677	83.914	102.979	128.603	135.889
149.0	71.284	83.914	102.251	127.631	134.917
149.5	71.709	84.096	101.583	126.599	133.703
150.0	72.195	84.217	100.915	125.627	132.428
150.5	72.620	84.278	100.186	124.535	131.092
151.0	72.923	84.460	99.215	123.442	129.513
151.5	73.227	84.521	98.182	122.288	128.056
152.0	73.591	84.642	97.211	121.074	126.599
152.5	73.956	84.764	96.300	119.798	125.020
153.0	74.199	84.824	95.329	118.341	123.745
153.5	74.502	85.006	94.296	116.823	122.288
154.0	74.745	84.946	93.386	115.123	121.074
154.5	75.049	85.006	92.596	113.484	119.859
155.0	75.170	85.128	91.807	111.601	118.948
155.5	75.413	85.189	91.018	109.841	117.977
156.0	75.595	85.189	90.471	107.958	117.127
156.5	75.899	85.189	89.925	106.076	116.034
157.0	76.020	85.310	89.378	104.376	115.002
157.5	76.202	85.310	89.014	102.736	113.848
158.0	76.445	85.249	88.832	101.036	112.755
158.5	76.506	85.249	88.589	99.640	111.480
159.0	76.809	85.067	88.407	98.304	110.387
159.5	77.052	84.946	88.103	97.029	109.173
160.0	77.356	84.824	87.800	95.997	107.958
160.5	77.720	84.764	87.557	95.025	106.805
161.0	77.963	84.581	87.496	93.993	105.651
161.5	78.327	84.521	87.375	92.961	104.801
162.0	78.631	84.399	87.557	92.111	104.072
162.5	78.935	84.399	87.678	91.200	103.222
163.0	79.299	84.339	87.739	90.228	102.494
163.5	79.603	84.339	87.860	89.196	101.583
164.0	79.724	84.339	87.982	87.921	100.733
164.5	79.906	84.217	87.860	86.949	99.640
165.0	80.088	84.217	87.678	85.978	98.547
165.5	80.270	84.156	87.496	85.310	97.393
166.0	80.453	84.096	87.375	84.581	95.632
166.5	80.635	84.096	87.192	83.974	94.782

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L65-830-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

167.0	80.878	84.096	87.010	83.428	94.114
167.5	80.999	84.096	86.646	82.942	93.446
168.0	81.181	84.096	86.342	82.456	92.900
168.5	81.546	83.853	85.917	82.031	92.232
169.0	81.728	83.914	85.614	81.606	91.564
169.5	82.031	83.731	85.128	81.120	90.836
170.0	82.153	83.671	84.703	80.513	90.168
170.5	82.335	83.549	84.156	79.845	89.439
171.0	82.456	83.428	83.549	79.117	88.528
171.5	82.638	83.428	83.003	78.449	87.800
172.0	82.942	83.306	82.699	77.781	86.707
172.5	83.124	83.306	82.335	77.052	85.492
173.0	83.367	83.185	82.031	76.384	83.428
173.5	83.671	83.246	81.910	75.716	80.331
174.0	83.914	83.246	81.849	75.170	76.506
174.5	84.096	83.246	81.728	74.624	71.952
175.0	84.460	83.428	81.667	74.199	66.791
175.5	84.581	83.489	81.606	74.016	61.387
176.0	84.824	83.610	81.606	73.834	57.865
176.5	84.885	83.671	81.546	73.834	55.376
177.0	85.128	83.792	81.424	73.652	52.825
177.5	85.189	83.792	81.242	73.591	52.279
178.0	85.432	83.914	81.181	73.531	52.400
178.5	85.553	83.974	81.242	73.409	52.522
179.0	85.674	83.974	81.181	73.227	52.583
179.5	85.796	83.974	81.120	73.166	52.643
180.0	76.931	76.931	76.931	76.931	76.931



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L65-830-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	695.16	N.A.	11.70
0-30	1456.59	N.A.	24.50
0-40	2339.8	N.A.	39.40
0-60	3959.81	N.A.	66.70
0-80	4933.22	N.A.	83.10
0-90	5178.03	N.A.	87.30
10-90	4996.8	N.A.	84.20
20-40	1644.65	N.A.	27.70
20-50	2514.4	N.A.	42.40
40-70	2197.08	N.A.	37.00
60-80	973.41	N.A.	16.40
70-80	396.34	N.A.	6.70
80-90	244.81	N.A.	4.10
90-110	285.94	N.A.	4.80
90-120	406.32	N.A.	6.80
90-130	517.11	N.A.	8.70
90-150	678.86	N.A.	11.40
90-180	756.19	N.A.	12.70
110-180	470.25	N.A.	7.90
0-180	5934.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	181.23
10-20	513.93
20-30	761.43
30-40	883.22
40-50	869.75
50-60	750.26
60-70	577.07
70-80	396.34
80-90	244.81
90-100	156.85
100-110	129.09
110-120	120.38
120-130	110.79
130-140	93.10
140-150	68.66
150-160	44.89
160-170	24.73
170-180	7.70

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L65-830-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-L65-830-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

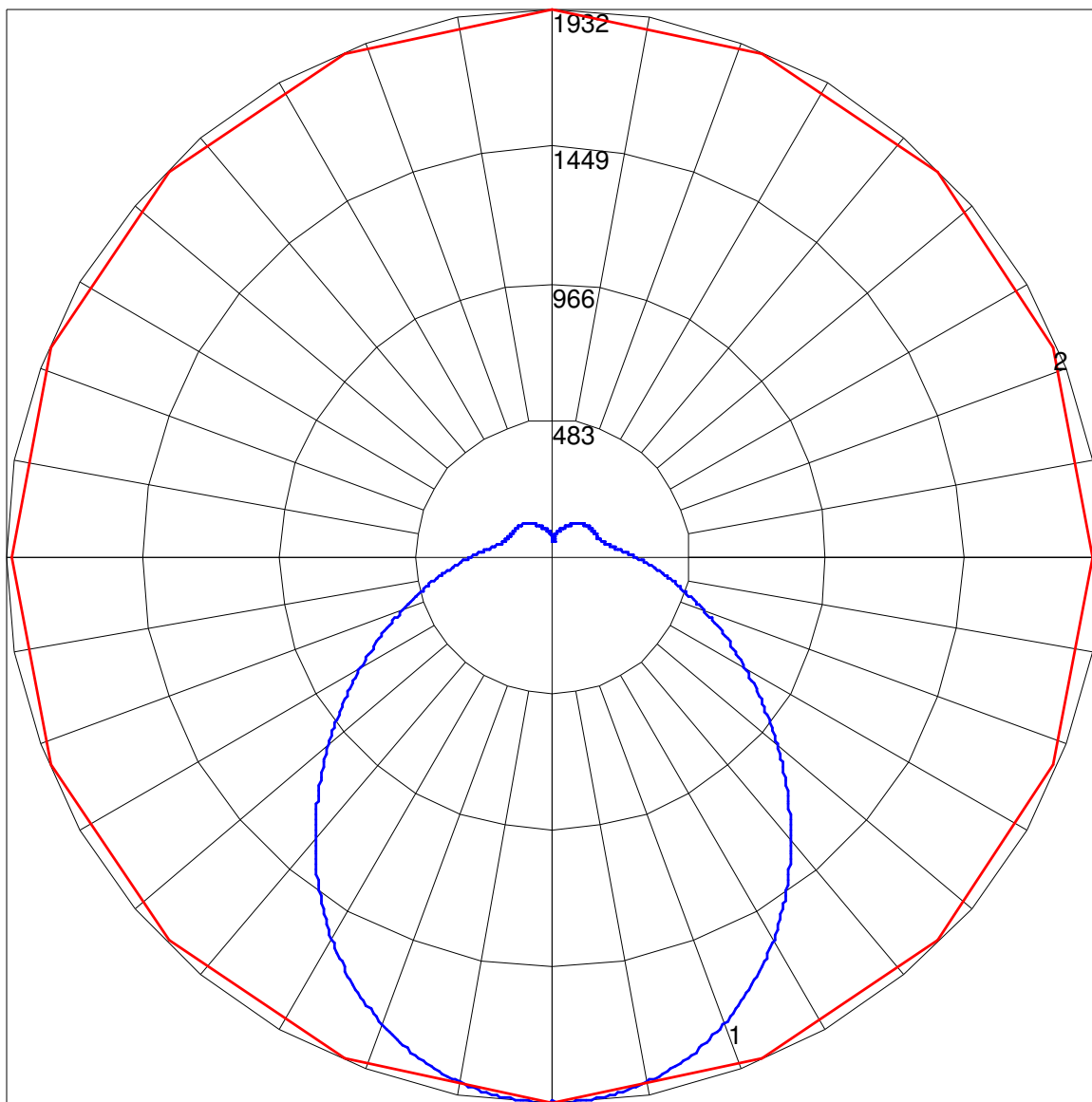
Reflectances

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	18.0	19.4	18.6	19.9	20.5	19.7	21.0	20.2	21.6	22.2
	3H	19.4	20.6	19.9	21.2	21.8	21.9	23.1	22.4	23.7	24.3
	4H	19.8	21.0	20.4	21.6	22.2	22.9	24.1	23.5	24.7	25.4
	6H	20.1	21.2	20.7	21.8	22.5	24.1	25.1	24.7	25.7	26.4
	8H	20.2	21.2	20.8	21.8	22.5	24.6	25.7	25.3	26.3	27.0
	12H	20.2	21.2	20.8	21.8	22.5	25.3	26.3	25.9	26.9	27.6
4H	2H	18.7	19.9	19.3	20.5	21.2	20.1	21.2	20.7	21.8	22.5
	3H	20.3	21.3	20.9	21.9	22.6	22.5	23.5	23.1	24.1	24.8
	4H	20.9	21.8	21.5	22.4	23.2	23.8	24.6	24.4	25.3	26.0
	6H	21.3	22.1	22.0	22.8	23.5	25.1	25.9	25.7	26.5	27.3
	8H	21.4	22.2	22.1	22.8	23.6	25.8	26.5	26.4	27.2	27.9
	12H	21.5	22.2	22.2	22.9	23.6	26.6	27.2	27.2	27.9	28.7
8H	4H	21.5	22.2	22.1	22.9	23.6	23.9	24.7	24.6	25.3	26.1
	6H	22.1	22.7	22.7	23.4	24.1	25.4	26.1	26.1	26.8	27.5
	8H	22.3	22.8	22.9	23.5	24.3	26.3	26.9	27.0	27.6	28.3
	12H	22.4	22.9	23.1	23.6	24.4	27.3	27.8	28.0	28.5	29.3
12H	4H	21.6	22.3	22.3	23.0	23.7	23.9	24.6	24.6	25.3	26.1
	6H	22.3	22.9	23.0	23.6	24.4	25.5	26.1	26.2	26.7	27.5
	8H	22.6	23.1	23.3	23.8	24.6	26.4	26.9	27.1	27.6	28.4

Maximum UGR = 29.3

POLAR GRAPH



Maximum Candela = 1932.076 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.)