

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L50-830-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-L50-830-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	4818
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	33
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	10572	9470	9377
55	9155	8107	8232
65	7696	6943	7336
75	6172	6066	6857
85	4527	5967	7245

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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	1559.437	1559.437	1559.437	1559.437	1559.437
0.5	1552.041	1557.958	1558.944	1558.451	1568.804
1.0	1552.041	1558.451	1558.451	1557.958	1568.311
1.5	1550.562	1558.451	1557.958	1557.465	1568.804
2.0	1550.069	1556.972	1557.958	1556.972	1567.325
2.5	1550.069	1556.972	1556.479	1556.479	1566.339
3.0	1548.590	1555.493	1555.493	1555.493	1565.353
3.5	1547.604	1554.014	1554.014	1554.507	1564.367
4.0	1546.618	1553.027	1553.027	1552.534	1563.381
4.5	1544.153	1551.548	1552.041	1551.548	1561.902
5.0	1542.674	1550.069	1550.069	1550.069	1560.423
5.5	1540.702	1548.097	1548.097	1548.590	1558.451
6.0	1539.716	1545.632	1546.125	1546.125	1556.479
6.5	1536.265	1543.660	1544.153	1544.153	1554.014
7.0	1534.293	1541.195	1541.688	1541.195	1552.041
7.5	1532.320	1538.237	1539.223	1539.223	1549.576
8.0	1529.855	1536.265	1536.265	1536.265	1546.125
8.5	1527.390	1532.813	1533.799	1533.799	1543.167
9.0	1523.446	1530.348	1530.841	1530.348	1539.716
9.5	1520.981	1526.897	1526.897	1526.897	1537.744
10.0	1517.037	1522.953	1522.953	1523.939	1533.799
10.5	1513.585	1519.502	1519.995	1519.995	1530.348
11.0	1510.134	1516.051	1516.544	1516.051	1526.404
11.5	1505.697	1512.106	1513.092	1512.106	1522.953
12.0	1501.753	1507.669	1508.655	1508.655	1518.516
12.5	1497.809	1503.232	1504.711	1503.725	1514.572
13.0	1493.371	1499.288	1500.274	1499.781	1510.134
13.5	1488.934	1494.358	1495.344	1495.344	1506.190
14.0	1483.511	1489.427	1490.413	1490.413	1500.767
14.5	1479.074	1484.497	1485.483	1485.483	1496.823
15.0	1474.637	1479.567	1480.060	1480.060	1490.906
15.5	1469.213	1473.650	1475.130	1475.130	1484.990
16.0	1463.297	1468.227	1469.706	1469.706	1480.060
16.5	1458.367	1462.311	1463.790	1464.283	1474.637
17.0	1451.464	1455.902	1457.874	1458.367	1468.720
17.5	1445.548	1449.985	1451.957	1452.450	1462.804
18.0	1440.125	1444.069	1445.548	1447.027	1457.381
18.5	1433.716	1438.153	1439.632	1440.618	1450.971
19.0	1427.306	1430.757	1433.222	1434.209	1444.069
19.5	1419.911	1424.841	1426.813	1428.785	1437.660
20.0	1412.022	1417.446	1419.911	1421.390	1430.757
20.5	1404.134	1411.036	1413.008	1414.981	1424.348
21.0	1397.725	1403.148	1404.627	1408.571	1417.446
21.5	1390.329	1395.753	1398.218	1400.190	1410.050
22.0	1382.441	1388.850	1391.315	1393.287	1403.641
22.5	1375.539	1379.976	1383.427	1386.385	1396.246
23.0	1367.157	1372.087	1375.539	1378.497	1388.357
23.5	1358.283	1363.706	1368.143	1371.101	1380.962
24.0	1349.408	1355.325	1359.762	1363.213	1373.073
24.5	1342.013	1346.943	1351.873	1354.832	1364.199
25.0	1333.632	1338.562	1343.985	1346.943	1356.311
25.5	1324.264	1330.180	1334.618	1339.055	1346.943
26.0	1315.390	1320.813	1326.729	1330.673	1339.548
26.5	1306.022	1311.445	1318.348	1321.799	1331.166

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**CANDELA TABULATION - (Cont.)**

27.0	1296.655	1301.585	1309.966	1314.404	1322.785
27.5	1285.808	1292.217	1300.599	1304.543	1314.404
28.0	1277.920	1282.850	1291.231	1295.669	1305.036
28.5	1267.566	1273.483	1281.864	1286.301	1295.669
29.0	1257.706	1263.622	1272.003	1277.427	1286.794
29.5	1247.352	1253.269	1262.143	1267.566	1276.934
30.0	1236.999	1243.408	1252.282	1259.185	1268.552
30.5	1226.152	1232.561	1242.915	1249.817	1258.692
31.0	1215.799	1222.208	1232.561	1239.957	1248.338
31.5	1204.952	1212.347	1222.701	1230.589	1239.464
32.0	1194.599	1201.008	1212.840	1220.236	1229.110
32.5	1183.259	1190.161	1202.487	1210.375	1219.250
33.0	1172.412	1179.808	1191.147	1200.515	1209.389
33.5	1162.059	1168.961	1181.287	1189.668	1199.036
34.0	1149.733	1157.622	1170.440	1179.808	1189.668
34.5	1138.394	1146.775	1160.087	1168.961	1178.822
35.0	1128.040	1134.943	1149.733	1159.101	1168.468
35.5	1114.729	1124.096	1138.394	1148.254	1157.622
36.0	1104.375	1112.263	1127.547	1137.408	1147.268
36.5	1091.556	1100.431	1116.208	1127.054	1137.408
37.0	1079.724	1089.091	1104.868	1115.715	1127.054
37.5	1067.398	1076.766	1094.022	1105.854	1115.715
38.0	1055.073	1064.933	1082.189	1094.515	1103.882
38.5	1042.254	1052.607	1070.849	1084.161	1093.036
39.0	1030.914	1040.282	1059.017	1072.822	1084.161
39.5	1018.096	1028.942	1047.677	1061.482	1072.328
40.0	1004.291	1016.124	1035.845	1051.128	1060.989
40.5	991.472	1003.798	1024.505	1040.282	1050.142
41.0	979.640	991.472	1012.673	1028.942	1038.803
41.5	966.821	979.147	1000.840	1017.603	1027.956
42.0	954.003	966.821	989.007	1006.756	1017.110
42.5	941.677	954.003	976.682	995.417	1005.770
43.0	927.872	941.677	965.342	984.570	994.924
43.5	916.040	928.858	953.017	973.231	984.077
44.0	902.728	916.040	940.691	962.384	972.738
44.5	890.402	903.714	928.365	950.551	961.398
45.0	877.584	890.895	916.533	940.198	951.044
45.5	864.765	878.570	904.700	929.351	940.198
46.0	851.946	865.751	891.881	917.519	928.858
46.5	839.128	852.933	881.035	907.658	918.012
47.0	825.816	840.607	868.709	895.826	907.165
47.5	812.998	827.788	856.384	884.486	895.826
48.0	800.672	814.970	844.058	874.133	884.486
48.5	786.867	802.644	832.719	862.300	873.640
49.0	774.542	789.332	819.900	850.960	862.300
49.5	761.723	777.007	808.067	840.114	851.453
50.0	748.411	764.188	796.235	828.281	840.114
50.5	736.086	751.862	783.909	818.421	829.760
51.0	723.267	739.044	773.063	807.081	818.914
51.5	710.941	726.225	760.737	796.235	808.067
52.0	697.630	713.900	748.904	784.895	797.221
52.5	684.811	701.081	737.565	773.556	786.867
53.0	671.499	688.755	725.732	763.695	775.528
53.5	658.681	676.430	714.393	752.356	765.174
54.0	646.355	664.104	703.053	741.509	754.821
54.5	634.523	651.285	691.713	731.648	744.467

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**CANDELA TABULATION - (Cont.)**

55.0	622.197	639.453	680.374	720.309	735.100
55.5	611.844	627.127	669.034	709.955	723.760
56.0	600.011	616.281	658.188	699.602	713.407
56.5	587.685	604.941	646.848	689.248	703.546
57.0	575.853	593.602	636.002	678.895	693.193
57.5	563.527	581.769	626.634	669.034	681.853
58.0	551.201	569.936	615.788	658.188	673.472
58.5	539.369	558.104	604.941	648.820	663.611
59.0	527.536	546.271	594.588	640.439	653.258
59.5	515.704	534.932	585.220	630.085	645.369
60.0	503.871	523.099	574.867	620.225	635.509
60.5	492.285	511.760	564.513	610.857	625.648
61.0	480.650	500.420	554.160	601.490	616.281
61.5	469.113	489.179	543.806	592.123	607.406
62.0	457.773	478.037	533.946	583.248	598.039
62.5	446.582	466.993	523.592	574.374	589.164
63.0	435.242	455.998	513.732	565.006	581.276
63.5	424.001	445.152	504.364	556.132	572.402
64.0	413.056	434.453	494.504	546.764	563.527
64.5	402.160	424.001	485.136	537.890	554.653
65.0	391.363	413.500	475.719	529.015	546.271
65.5	380.714	403.245	466.401	520.141	537.397
66.0	369.916	392.990	457.182	511.266	529.015
66.5	359.366	382.981	448.011	502.885	520.634
67.0	349.061	373.072	438.890	494.011	512.253
67.5	338.708	363.310	429.967	485.728	503.871
68.0	328.502	353.794	421.092	477.346	495.983
68.5	318.445	344.328	412.415	469.212	487.749
69.0	308.436	334.961	403.836	461.027	479.959
69.5	298.576	325.791	395.356	453.090	472.219
70.0	288.765	316.768	387.024	445.300	464.528
70.5	279.200	307.845	378.692	437.510	456.935
71.0	269.734	299.019	370.508	429.819	449.441
71.5	260.366	290.391	362.521	422.325	442.046
72.0	251.196	281.714	354.534	414.880	434.848
72.5	241.976	273.333	346.744	407.583	427.699
73.0	233.003	265.001	339.004	400.385	420.501
73.5	224.277	256.767	331.510	393.236	413.500
74.0	215.649	248.780	323.917	386.334	406.449
74.5	207.169	240.744	316.670	379.481	399.794
75.0	198.738	232.905	309.472	372.776	393.335
75.5	190.455	225.263	302.372	366.120	386.778
76.0	182.419	217.769	295.470	359.514	380.368
76.5	174.432	210.374	288.617	353.055	373.959
77.0	166.544	203.028	281.862	346.646	367.747
77.5	158.803	195.879	275.206	340.433	361.584
78.0	151.161	188.878	268.748	334.320	355.520
78.5	143.667	181.975	262.338	328.157	349.505
79.0	136.321	175.270	256.126	322.192	343.589
79.5	129.025	168.614	250.013	316.374	337.673
80.0	121.826	162.057	243.899	310.605	332.052
80.5	114.825	155.697	237.983	304.788	326.333
81.0	108.022	149.436	232.313	299.167	320.762
81.5	101.119	143.322	226.643	293.596	315.191
82.0	94.464	137.357	221.122	288.222	309.817
82.5	87.956	131.490	215.698	282.848	304.541

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**CANDELA TABULATION - (Cont.)**

83.0	81.546	125.771	210.374	277.671	299.414
83.5	75.186	120.199	205.295	272.396	294.089
84.0	68.974	114.776	200.365	267.417	289.011
84.5	62.811	109.550	195.534	262.486	284.031
85.0	56.895	104.472	190.801	257.605	279.052
85.5	50.979	99.640	186.166	252.872	274.220
86.0	45.161	95.006	181.630	248.238	269.438
86.5	39.393	90.667	177.341	243.603	264.656
87.0	33.723	86.477	173.002	239.216	259.972
87.5	28.053	82.582	168.910	234.778	255.485
88.0	22.433	78.785	164.867	230.489	250.950
88.5	16.763	75.236	160.973	226.249	246.562
89.0	11.586	71.883	157.275	222.157	242.223
89.5	7.346	68.777	153.676	218.213	237.983
90.0	4.388	66.016	150.372	214.466	234.088
90.5	3.106	63.600	147.316	210.719	229.947
91.0	3.303	61.382	144.210	206.922	226.002
91.5	3.944	59.262	141.104	203.323	222.058
92.0	4.684	57.487	138.145	199.675	218.213
92.5	5.473	55.958	135.631	196.174	214.416
93.0	6.261	54.627	133.018	192.871	210.768
93.5	7.100	53.592	130.553	189.617	207.317
94.0	7.987	52.704	128.236	186.561	203.964
94.5	8.825	52.063	126.066	183.454	200.513
95.0	9.663	51.570	124.045	180.398	197.210
95.5	10.452	51.225	122.171	177.489	193.956
96.0	11.093	51.077	120.545	174.679	190.751
96.5	11.734	51.077	118.918	172.066	187.793
97.0	12.326	51.127	117.438	169.551	184.835
97.5	12.967	51.324	116.058	167.135	182.123
98.0	13.509	51.521	114.825	164.769	179.362
98.5	14.150	51.768	113.790	162.501	176.799
99.0	14.791	52.063	112.705	160.381	174.284
99.5	15.481	52.409	111.769	158.359	171.819
100.0	16.073	52.754	111.029	156.486	169.600
100.5	16.763	53.148	110.290	154.662	167.333
101.0	17.354	53.542	109.747	152.936	165.311
101.5	17.946	53.937	109.205	151.309	163.240
102.0	18.488	54.331	108.811	149.781	161.416
102.5	19.031	54.726	108.416	148.351	159.592
103.0	19.573	55.169	108.120	146.921	157.965
103.5	20.165	55.613	107.874	145.689	156.289
104.0	20.806	56.008	107.627	144.555	154.760
104.5	21.447	56.451	107.479	143.470	153.331
105.0	22.038	56.895	107.331	142.484	151.950
105.5	22.581	57.289	107.184	141.449	150.767
106.0	23.221	57.782	107.134	140.561	149.584
106.5	23.813	58.226	107.134	139.723	148.400
107.0	24.405	58.719	107.134	138.934	147.414
107.5	24.947	59.114	107.134	138.343	146.379
108.0	25.637	59.607	107.134	137.652	145.344
108.5	26.278	60.100	107.184	137.159	144.653
109.0	26.919	60.494	107.282	136.519	143.963
109.5	27.609	60.938	107.331	136.075	143.224
110.0	28.300	61.382	107.430	135.582	142.632
110.5	28.990	61.825	107.529	135.138	142.090

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**CANDELA TABULATION - (Cont.)**

111.0	29.680	62.269	107.578	134.744	141.498
111.5	30.370	62.663	107.627	134.448	141.005
112.0	31.110	63.107	107.726	134.152	140.413
112.5	31.849	63.551	107.824	133.807	139.871
113.0	32.638	63.995	107.972	133.560	139.625
113.5	33.378	64.389	107.972	133.314	139.279
114.0	34.167	64.783	108.071	133.117	138.934
114.5	34.906	65.227	108.170	132.870	138.639
115.0	35.695	65.572	108.268	132.722	138.392
115.5	36.484	66.016	108.268	132.574	138.145
116.0	37.223	66.410	108.416	132.377	137.850
116.5	37.914	66.805	108.515	132.180	137.751
117.0	38.702	67.249	108.613	132.180	137.505
117.5	39.442	67.594	108.712	131.983	137.357
118.0	40.083	67.939	108.811	131.884	137.159
118.5	40.822	68.284	108.860	131.736	137.110
119.0	41.463	68.629	108.958	131.588	136.814
119.5	42.154	68.876	109.057	131.440	136.765
120.0	42.795	69.122	109.008	131.342	136.519
120.5	43.435	69.418	109.057	131.145	136.469
121.0	44.076	69.615	109.156	130.997	136.272
121.5	44.767	69.862	109.106	130.799	136.173
122.0	45.408	70.157	109.106	130.701	136.025
122.5	46.048	70.453	109.156	130.504	135.680
123.0	46.689	70.749	109.106	130.306	135.631
123.5	47.281	70.996	109.008	130.158	135.335
124.0	47.774	71.193	109.008	130.011	135.286
124.5	48.267	71.390	109.008	129.764	135.089
125.0	48.760	71.636	108.909	129.518	134.892
125.5	49.253	71.784	108.811	129.370	134.645
126.0	49.697	71.982	108.761	129.074	134.448
126.5	50.091	72.228	108.663	128.877	134.300
127.0	50.535	72.327	108.564	128.630	134.103
127.5	50.880	72.475	108.416	128.384	133.758
128.0	51.324	72.475	108.367	128.088	133.560
128.5	51.669	72.573	108.170	127.841	133.363
129.0	52.014	72.672	107.972	127.595	133.117
129.5	52.310	72.820	107.627	127.200	132.821
130.0	52.556	72.918	107.282	126.954	132.525
130.5	52.803	73.017	106.888	126.658	132.180
131.0	52.951	73.165	106.493	126.214	131.835
131.5	53.148	73.313	106.099	125.820	131.490
132.0	53.345	73.461	105.655	125.573	131.194
132.5	53.444	73.510	105.162	125.080	130.750
133.0	53.592	73.559	104.965	124.637	130.208
133.5	53.641	73.510	104.669	124.291	129.961
134.0	53.690	73.411	104.472	123.897	129.616
134.5	53.838	73.214	104.225	123.453	128.975
135.0	53.986	73.066	103.930	122.862	128.482
135.5	53.937	72.672	103.683	122.467	128.088
136.0	54.035	72.623	103.338	121.974	127.595
136.5	54.134	72.475	103.091	121.432	127.102
137.0	54.183	72.228	102.697	120.988	126.559
137.5	54.233	71.982	102.352	120.397	126.066
138.0	54.331	71.834	101.859	119.904	125.475
138.5	54.331	71.636	101.218	119.361	125.031

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

139.0	54.282	71.489	100.478	118.720	124.341
139.5	54.282	71.291	99.591	118.030	123.848
140.0	54.282	71.045	98.605	117.389	123.158
140.5	54.282	70.897	97.717	116.600	122.418
141.0	54.282	70.798	96.731	115.762	121.826
141.5	54.282	70.601	95.745	115.023	121.235
142.0	54.233	70.503	94.809	114.086	120.594
142.5	54.183	70.355	93.823	113.248	119.854
143.0	54.134	70.207	92.886	112.459	119.115
143.5	54.134	70.009	91.801	111.621	118.425
144.0	54.134	69.763	90.864	110.980	117.636
144.5	54.282	69.566	89.928	110.240	116.945
145.0	54.479	69.369	88.892	109.599	116.157
145.5	54.824	69.122	87.956	108.958	115.368
146.0	55.268	68.925	87.068	108.268	114.628
146.5	55.712	68.728	86.329	107.529	113.790
147.0	56.156	68.481	85.490	106.789	112.952
147.5	56.550	68.383	84.850	106.050	112.114
148.0	56.994	68.185	84.159	105.211	111.226
148.5	57.388	68.136	83.617	104.423	110.339
149.0	57.881	68.136	83.025	103.634	109.550
149.5	58.226	68.284	82.483	102.796	108.564
150.0	58.621	68.383	81.941	102.007	107.529
150.5	58.966	68.432	81.349	101.119	106.444
151.0	59.212	68.580	80.560	100.232	105.162
151.5	59.459	68.629	79.722	99.295	103.979
152.0	59.755	68.728	78.933	98.309	102.796
152.5	60.050	68.826	78.194	97.274	101.514
153.0	60.248	68.876	77.405	96.090	100.478
153.5	60.494	69.023	76.567	94.858	99.295
154.0	60.691	68.974	75.827	93.477	98.309
154.5	60.938	69.023	75.186	92.146	97.323
155.0	61.036	69.122	74.545	90.618	96.584
155.5	61.234	69.171	73.904	89.188	95.795
156.0	61.382	69.171	73.461	87.660	95.104
156.5	61.628	69.171	73.017	86.131	94.217
157.0	61.727	69.270	72.573	84.751	93.379
157.5	61.875	69.270	72.277	83.420	92.442
158.0	62.072	69.221	72.129	82.039	91.555
158.5	62.121	69.221	71.932	80.905	90.519
159.0	62.368	69.073	71.784	79.821	89.632
159.5	62.565	68.974	71.538	78.785	88.646
160.0	62.811	68.876	71.291	77.947	87.660
160.5	63.107	68.826	71.094	77.158	86.723
161.0	63.304	68.678	71.045	76.320	85.786
161.5	63.600	68.629	70.946	75.482	85.096
162.0	63.847	68.530	71.094	74.792	84.504
162.5	64.093	68.530	71.193	74.052	83.814
163.0	64.389	68.481	71.242	73.263	83.223
163.5	64.636	68.481	71.341	72.425	82.483
164.0	64.734	68.481	71.439	71.390	81.793
164.5	64.882	68.383	71.341	70.601	80.905
165.0	65.030	68.383	71.193	69.812	80.018
165.5	65.178	68.333	71.045	69.270	79.081
166.0	65.326	68.284	70.946	68.678	77.651
166.5	65.474	68.284	70.798	68.185	76.961

IES INDOOR REPORT  
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CANDELA TABULATION - (Cont.)

167.0	65.671	68.284	70.650	67.742	76.419
167.5	65.769	68.284	70.355	67.347	75.876
168.0	65.917	68.284	70.108	66.953	75.433
168.5	66.213	68.087	69.763	66.608	74.890
169.0	66.361	68.136	69.516	66.263	74.348
169.5	66.608	67.988	69.122	65.868	73.756
170.0	66.706	67.939	68.777	65.375	73.214
170.5	66.854	67.840	68.333	64.833	72.623
171.0	66.953	67.742	67.840	64.241	71.883
171.5	67.101	67.742	67.396	63.699	71.291
172.0	67.347	67.643	67.150	63.156	70.404
172.5	67.495	67.643	66.854	62.565	69.418
173.0	67.692	67.544	66.608	62.022	67.742
173.5	67.939	67.594	66.509	61.480	65.227
174.0	68.136	67.594	66.460	61.036	62.121
174.5	68.284	67.594	66.361	60.593	58.423
175.0	68.580	67.742	66.312	60.248	54.233
175.5	68.678	67.791	66.263	60.100	49.845
176.0	68.876	67.889	66.263	59.952	46.985
176.5	68.925	67.939	66.213	59.952	44.964
177.0	69.122	68.037	66.115	59.804	42.893
177.5	69.171	68.037	65.967	59.755	42.449
178.0	69.369	68.136	65.917	59.705	42.548
178.5	69.467	68.185	65.967	59.607	42.647
179.0	69.566	68.185	65.917	59.459	42.696
179.5	69.664	68.185	65.868	59.409	42.745
180.0	62.466	62.466	62.466	62.466	62.466



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L50-830-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	564.45	N.A.	11.70
0-30	1182.72	N.A.	24.50
0-40	1899.87	N.A.	39.40
0-60	3215.28	N.A.	66.70
0-80	4005.67	N.A.	83.10
0-90	4204.45	N.A.	87.30
10-90	4057.29	N.A.	84.20
20-40	1335.42	N.A.	27.70
20-50	2041.64	N.A.	42.40
40-70	1783.98	N.A.	37.00
60-80	790.39	N.A.	16.40
70-80	321.82	N.A.	6.70
80-90	198.78	N.A.	4.10
90-110	232.18	N.A.	4.80
90-120	329.92	N.A.	6.80
90-130	419.88	N.A.	8.70
90-150	551.22	N.A.	11.40
90-180	614.01	N.A.	12.70
110-180	381.84	N.A.	7.90
0-180	4818.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	147.15
10-20	417.30
20-30	618.26
30-40	717.15
40-50	706.22
50-60	609.19
60-70	468.57
70-80	321.82
80-90	198.78
90-100	127.36
100-110	104.82
110-120	97.74
120-130	89.96
130-140	75.60
140-150	55.75
150-160	36.45
160-170	20.08
170-180	6.26

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L50-830-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	87	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-L50-830-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

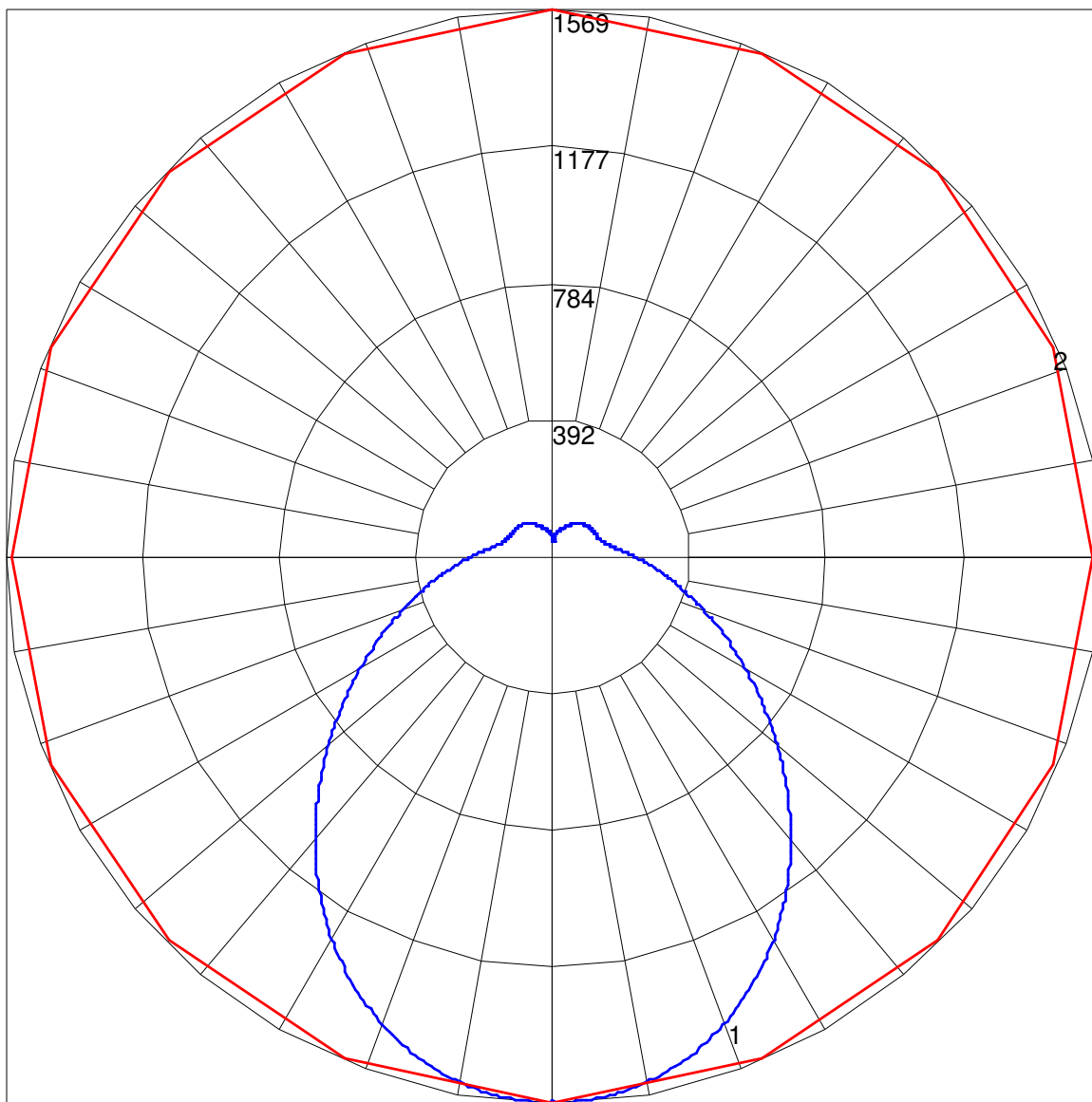
Reflectances

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	17.3	18.7	17.9	19.2	19.8	19.0	20.3	19.5	20.9	21.5
	3H	18.7	19.9	19.2	20.5	21.1	21.2	22.4	21.7	23.0	23.6
	4H	19.1	20.3	19.7	20.9	21.5	22.2	23.4	22.8	24.0	24.7
	6H	19.4	20.5	20.0	21.1	21.8	23.4	24.4	24.0	25.0	25.7
	8H	19.5	20.5	20.1	21.1	21.8	23.9	25.0	24.6	25.6	26.3
	12H	19.5	20.5	20.1	21.1	21.8	24.6	25.6	25.2	26.2	26.9
4H	2H	18.0	19.2	18.6	19.8	20.5	19.4	20.5	20.0	21.1	21.8
	3H	19.6	20.6	20.2	21.2	21.9	21.8	22.8	22.4	23.4	24.1
	4H	20.2	21.1	20.8	21.7	22.5	23.1	23.9	23.7	24.6	25.3
	6H	20.6	21.4	21.3	22.1	22.8	24.4	25.2	25.0	25.8	26.6
	8H	20.7	21.5	21.4	22.1	22.9	25.1	25.8	25.7	26.5	27.2
	12H	20.8	21.5	21.5	22.2	22.9	25.9	26.5	26.5	27.2	28.0
8H	4H	20.8	21.5	21.4	22.2	22.9	23.2	24.0	23.9	24.6	25.4
	6H	21.4	22.0	22.0	22.7	23.4	24.8	25.4	25.4	26.1	26.8
	8H	21.6	22.1	22.2	22.8	23.6	25.6	26.2	26.3	26.9	27.6
	12H	21.7	22.2	22.4	22.9	23.7	26.6	27.1	27.3	27.8	28.6
12H	4H	20.9	21.6	21.6	22.3	23.0	23.3	23.9	23.9	24.6	25.4
	6H	21.6	22.2	22.3	22.9	23.7	24.8	25.4	25.5	26.0	26.8
	8H	21.9	22.4	22.6	23.1	23.9	25.7	26.2	26.4	26.9	27.7

Maximum UGR = 28.6

POLAR GRAPH



Maximum Candela = 1568.804 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.)