

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L50-840-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-L50-840-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	5013
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	152
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	10999	9852	9755
55	9525	8435	8564
65	8007	7224	7633
75	6421	6311	7134
85	4710	6208	7538

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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	1622.445	1622.445	1622.445	1622.445	1622.445
0.5	1614.750	1620.906	1621.932	1621.419	1632.191
1.0	1614.750	1621.419	1621.419	1620.906	1631.678
1.5	1613.212	1621.419	1620.906	1620.393	1632.191
2.0	1612.699	1619.880	1620.906	1619.880	1630.652
2.5	1612.699	1619.880	1619.367	1619.367	1629.626
3.0	1611.160	1618.341	1618.341	1618.341	1628.600
3.5	1610.134	1616.802	1616.802	1617.315	1627.574
4.0	1609.108	1615.776	1615.776	1615.263	1626.548
4.5	1606.543	1614.238	1614.750	1614.238	1625.009
5.0	1605.005	1612.699	1612.699	1612.699	1623.471
5.5	1602.953	1610.647	1610.647	1611.160	1621.419
6.0	1601.927	1608.082	1608.595	1608.595	1619.367
6.5	1598.336	1606.030	1606.543	1606.543	1616.802
7.0	1596.284	1603.466	1603.979	1603.466	1614.750
7.5	1594.233	1600.388	1601.414	1601.414	1612.186
8.0	1591.668	1598.336	1598.336	1598.336	1608.595
8.5	1589.103	1594.746	1595.772	1595.772	1605.517
9.0	1585.000	1592.181	1592.694	1592.181	1601.927
9.5	1582.435	1588.590	1588.590	1588.590	1599.875
10.0	1578.331	1584.487	1584.487	1585.513	1595.772
10.5	1574.741	1580.896	1581.409	1581.409	1592.181
11.0	1571.150	1577.305	1577.818	1577.305	1588.077
11.5	1566.534	1573.202	1574.228	1573.202	1584.487
12.0	1562.430	1568.585	1569.611	1569.611	1579.870
12.5	1558.327	1563.969	1565.508	1564.482	1575.767
13.0	1553.710	1559.865	1560.891	1560.378	1571.150
13.5	1549.094	1554.736	1555.762	1555.762	1567.047
14.0	1543.451	1549.606	1550.632	1550.632	1561.404
14.5	1538.835	1544.477	1545.503	1545.503	1557.301
15.0	1534.218	1539.348	1539.861	1539.861	1551.145
15.5	1528.576	1533.192	1534.731	1534.731	1544.990
16.0	1522.420	1527.550	1529.089	1529.089	1539.861
16.5	1517.291	1521.395	1522.933	1523.446	1534.218
17.0	1510.110	1514.726	1516.778	1517.291	1528.063
17.5	1503.954	1508.571	1510.623	1511.136	1521.907
18.0	1498.312	1502.416	1503.954	1505.493	1516.265
18.5	1491.644	1496.260	1497.799	1498.825	1509.597
19.0	1484.975	1488.566	1491.131	1492.157	1502.416
19.5	1477.281	1482.411	1484.462	1486.514	1495.747
20.0	1469.074	1474.717	1477.281	1478.820	1488.566
20.5	1460.867	1468.048	1470.100	1472.152	1481.898
21.0	1454.199	1459.841	1461.380	1465.484	1474.717
21.5	1446.505	1452.147	1454.712	1456.763	1467.022
22.0	1438.297	1444.966	1447.530	1449.582	1460.354
22.5	1431.116	1435.733	1439.323	1442.401	1452.660
23.0	1422.396	1427.526	1431.116	1434.194	1444.453
23.5	1413.163	1418.806	1423.422	1426.500	1436.759
24.0	1403.930	1410.085	1414.702	1418.293	1428.551
24.5	1396.236	1401.365	1406.495	1409.573	1419.318
25.0	1387.516	1392.645	1398.288	1401.365	1411.111
25.5	1377.770	1383.925	1388.542	1393.158	1401.365
26.0	1368.537	1374.179	1380.335	1384.438	1393.671
26.5	1358.791	1364.433	1371.615	1375.205	1384.951

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27.0	1349.045	1354.174	1362.895	1367.511	1376.231
27.5	1337.760	1344.429	1353.149	1357.252	1367.511
28.0	1329.553	1334.683	1343.403	1348.019	1357.765
28.5	1318.781	1324.937	1333.657	1338.273	1348.019
29.0	1308.522	1314.678	1323.398	1329.040	1338.786
29.5	1297.751	1303.906	1313.139	1318.781	1328.527
30.0	1286.979	1293.647	1302.880	1310.061	1319.807
30.5	1275.694	1282.362	1293.134	1300.315	1309.548
31.0	1264.922	1271.590	1282.362	1290.056	1298.776
31.5	1253.637	1261.331	1272.103	1280.310	1289.543
32.0	1242.865	1249.534	1261.844	1269.539	1278.772
32.5	1231.068	1238.249	1251.073	1259.280	1268.513
33.0	1219.783	1227.477	1239.275	1249.021	1258.254
33.5	1209.011	1216.192	1229.016	1237.736	1247.482
34.0	1196.187	1204.395	1217.731	1227.477	1237.736
34.5	1184.390	1193.110	1206.959	1216.192	1226.451
35.0	1173.618	1180.799	1196.187	1205.933	1215.679
35.5	1159.768	1169.514	1184.390	1194.649	1204.395
36.0	1148.997	1157.204	1173.105	1183.364	1193.623
36.5	1135.660	1144.893	1161.307	1172.592	1183.364
37.0	1123.349	1133.095	1149.509	1160.794	1172.592
37.5	1110.526	1120.272	1138.225	1150.535	1160.794
38.0	1097.702	1107.961	1125.914	1138.738	1148.484
38.5	1084.365	1095.137	1114.116	1127.966	1137.199
39.0	1072.568	1082.314	1101.806	1116.168	1127.966
39.5	1059.231	1070.516	1090.008	1104.370	1115.655
40.0	1044.869	1057.179	1077.697	1093.598	1103.857
40.5	1031.532	1044.356	1065.899	1082.314	1092.573
41.0	1019.221	1031.532	1053.589	1070.516	1080.775
41.5	1005.885	1018.709	1041.278	1058.718	1069.490
42.0	992.548	1005.885	1028.967	1047.433	1058.205
42.5	979.725	992.548	1016.144	1035.636	1046.408
43.0	965.362	979.725	1004.346	1024.351	1035.123
43.5	953.052	966.388	991.522	1012.553	1023.838
44.0	939.202	953.052	978.699	1001.268	1012.040
44.5	926.378	940.228	965.875	988.958	1000.243
45.0	913.042	926.891	953.565	978.186	989.471
45.5	899.705	914.068	941.254	966.901	978.186
46.0	886.369	900.731	927.917	954.590	966.388
46.5	873.032	887.395	916.632	944.332	955.103
47.0	859.183	874.571	903.809	932.021	943.819
47.5	845.846	861.234	890.985	920.223	932.021
48.0	833.022	847.898	878.162	909.451	920.223
48.5	818.660	835.074	866.364	897.141	908.938
49.0	805.836	821.225	853.027	885.343	897.141
49.5	792.500	808.401	840.717	874.058	885.856
50.0	778.650	795.065	828.406	861.747	874.058
50.5	765.827	782.241	815.582	851.488	863.286
51.0	752.490	768.904	804.298	839.691	852.001
51.5	739.667	755.568	791.474	828.406	840.717
52.0	725.817	742.744	779.163	816.608	829.432
52.5	712.480	729.408	767.366	804.811	818.660
53.0	698.631	716.584	755.055	794.552	806.862
53.5	685.294	703.760	743.257	782.754	796.090
54.0	672.471	690.937	731.459	771.469	785.319
54.5	660.160	677.600	719.662	761.210	774.547

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55.0	647.336	665.290	707.864	749.412	764.801
55.5	636.565	652.466	696.066	738.641	753.003
56.0	624.254	641.181	684.781	727.869	742.231
56.5	611.430	629.383	672.984	717.097	731.972
57.0	599.120	617.586	661.699	706.325	721.200
57.5	586.296	605.275	651.953	696.066	709.403
58.0	573.472	592.964	640.668	684.781	700.683
58.5	561.162	580.654	629.383	675.035	690.424
59.0	548.851	568.343	618.612	666.315	679.652
59.5	536.540	556.545	608.866	655.544	671.445
60.0	524.230	544.235	598.094	645.285	661.186
60.5	512.175	532.437	587.322	635.539	650.927
61.0	500.070	520.639	576.550	625.793	641.181
61.5	488.067	508.944	565.778	616.047	631.948
62.0	476.269	497.351	555.519	606.814	622.202
62.5	464.625	485.861	544.747	597.581	612.969
63.0	452.828	474.423	534.489	587.835	604.762
63.5	441.133	463.138	524.743	578.602	595.529
64.0	429.745	452.007	514.484	568.856	586.296
64.5	418.409	441.133	504.738	559.623	577.063
65.0	407.176	430.207	494.941	550.390	568.343
65.5	396.096	419.538	485.246	541.157	559.110
66.0	384.863	408.868	475.654	531.924	550.390
66.5	373.886	398.456	466.113	523.204	541.670
67.0	363.165	388.145	456.624	513.971	532.950
67.5	352.393	377.989	447.339	505.353	524.230
68.0	341.775	368.089	438.106	496.633	516.023
68.5	331.311	358.241	429.078	488.170	507.456
69.0	320.898	348.495	420.153	479.655	499.352
69.5	310.639	338.954	411.330	471.396	491.299
70.0	300.432	329.567	402.662	463.292	483.297
70.5	290.481	320.283	393.993	455.187	475.397
71.0	280.632	311.101	385.478	447.185	467.601
71.5	270.886	302.125	377.168	439.389	459.906
72.0	261.345	293.097	368.859	431.643	452.417
72.5	251.753	284.377	360.754	424.052	444.980
73.0	242.418	275.708	352.701	416.563	437.491
73.5	233.339	267.142	344.904	409.125	430.207
74.0	224.362	258.832	337.005	401.944	422.872
74.5	215.539	250.471	329.464	394.814	415.947
75.0	206.768	242.315	321.975	387.838	409.227
75.5	198.151	234.365	314.589	380.913	402.405
76.0	189.790	226.568	307.408	374.039	395.737
76.5	181.480	218.874	300.278	367.320	389.069
77.0	173.273	211.231	293.251	360.652	382.606
77.5	165.220	203.793	286.326	354.188	376.194
78.0	157.269	196.509	279.606	347.828	369.885
78.5	149.472	189.328	272.938	341.416	363.627
79.0	141.829	182.352	266.475	335.209	357.471
79.5	134.238	175.427	260.114	329.157	351.316
80.0	126.749	168.605	253.754	323.155	345.468
80.5	119.465	161.988	247.598	317.103	339.518
81.0	112.386	155.474	241.700	311.255	333.722
81.5	105.205	149.113	235.801	305.459	327.926
82.0	98.280	142.906	230.056	299.868	322.335
82.5	91.509	136.802	224.413	294.276	316.846

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83.0	84.841	130.852	218.874	288.891	311.511
83.5	78.224	125.056	213.590	283.402	305.972
84.0	71.761	119.414	208.461	278.221	300.688
84.5	65.349	113.976	203.434	273.092	295.508
85.0	59.194	108.693	198.510	268.014	290.327
85.5	53.039	103.666	193.688	263.089	285.300
86.0	46.986	98.844	188.969	258.268	280.324
86.5	40.984	94.331	184.506	253.446	275.349
87.0	35.085	89.971	179.992	248.881	270.476
87.5	29.187	85.918	175.735	244.264	265.808
88.0	23.339	81.969	171.529	239.802	261.089
88.5	17.440	78.275	167.477	235.390	256.524
89.0	12.054	74.787	163.629	231.133	252.010
89.5	7.643	71.556	159.885	227.029	247.598
90.0	4.565	68.683	156.448	223.131	243.546
90.5	3.232	66.170	153.268	219.233	239.237
91.0	3.437	63.862	150.036	215.283	235.134
91.5	4.104	61.656	146.805	211.538	231.030
92.0	4.873	59.809	143.727	207.743	227.029
92.5	5.694	58.219	141.111	204.101	223.080
93.0	6.514	56.834	138.393	200.664	219.284
93.5	7.386	55.757	135.828	197.279	215.693
94.0	8.310	54.834	133.417	194.098	212.205
94.5	9.182	54.167	131.160	190.867	208.615
95.0	10.054	53.654	129.057	187.687	205.178
95.5	10.874	53.295	127.108	184.660	201.793
96.0	11.541	53.141	125.415	181.736	198.458
96.5	12.208	53.141	123.722	179.018	195.381
97.0	12.824	53.192	122.183	176.402	192.303
97.5	13.490	53.398	120.747	173.888	189.482
98.0	14.055	53.603	119.465	171.426	186.609
98.5	14.722	53.859	118.388	169.067	183.942
99.0	15.388	54.167	117.259	166.861	181.326
99.5	16.106	54.526	116.285	164.758	178.761
100.0	16.722	54.885	115.515	162.809	176.453
100.5	17.440	55.295	114.746	160.911	174.093
101.0	18.056	55.706	114.182	159.116	171.990
101.5	18.671	56.116	113.617	157.423	169.836
102.0	19.235	56.527	113.207	155.833	167.938
102.5	19.800	56.937	112.797	154.345	166.040
103.0	20.364	57.399	112.489	152.858	164.348
103.5	20.979	57.860	112.232	151.575	162.604
104.0	21.646	58.271	111.976	150.395	161.013
104.5	22.313	58.732	111.822	149.267	159.526
105.0	22.929	59.194	111.668	148.241	158.090
105.5	23.493	59.604	111.514	147.164	156.859
106.0	24.160	60.117	111.463	146.241	155.627
106.5	24.775	60.579	111.463	145.369	154.396
107.0	25.391	61.092	111.463	144.548	153.371
107.5	25.955	61.502	111.463	143.932	152.293
108.0	26.673	62.015	111.463	143.214	151.216
108.5	27.340	62.528	111.514	142.701	150.498
109.0	28.007	62.938	111.617	142.034	149.780
109.5	28.725	63.400	111.668	141.573	149.010
110.0	29.443	63.862	111.771	141.060	148.395
110.5	30.161	64.323	111.873	140.598	147.831

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CANDELA TABULATION - (Cont.)

111.0	30.879	64.785	111.925	140.188	147.215
111.5	31.597	65.195	111.976	139.880	146.702
112.0	32.367	65.657	112.078	139.572	146.087
112.5	33.136	66.119	112.181	139.213	145.522
113.0	33.957	66.580	112.335	138.957	145.266
113.5	34.726	66.991	112.335	138.700	144.907
114.0	35.547	67.401	112.438	138.495	144.548
114.5	36.316	67.863	112.540	138.239	144.240
115.0	37.137	68.222	112.643	138.085	143.984
115.5	37.958	68.683	112.643	137.931	143.727
116.0	38.727	69.094	112.797	137.726	143.419
116.5	39.445	69.504	112.899	137.521	143.317
117.0	40.266	69.966	113.002	137.521	143.060
117.5	41.036	70.325	113.104	137.315	142.906
118.0	41.702	70.684	113.207	137.213	142.701
118.5	42.472	71.043	113.258	137.059	142.650
119.0	43.139	71.402	113.361	136.905	142.342
119.5	43.857	71.658	113.463	136.751	142.291
120.0	44.524	71.915	113.412	136.649	142.034
120.5	45.190	72.223	113.463	136.443	141.983
121.0	45.857	72.428	113.566	136.289	141.778
121.5	46.575	72.684	113.515	136.084	141.675
122.0	47.242	72.992	113.515	135.982	141.521
122.5	47.909	73.300	113.566	135.777	141.162
123.0	48.576	73.608	113.515	135.571	141.111
123.5	49.191	73.864	113.412	135.417	140.803
124.0	49.704	74.069	113.412	135.264	140.752
124.5	50.217	74.274	113.412	135.007	140.547
125.0	50.730	74.531	113.310	134.751	140.342
125.5	51.243	74.685	113.207	134.597	140.085
126.0	51.705	74.890	113.156	134.289	139.880
126.5	52.115	75.146	113.053	134.084	139.726
127.0	52.577	75.249	112.950	133.827	139.521
127.5	52.936	75.403	112.797	133.571	139.162
128.0	53.398	75.403	112.745	133.263	138.957
128.5	53.757	75.505	112.540	133.007	138.752
129.0	54.116	75.608	112.335	132.750	138.495
129.5	54.423	75.762	111.976	132.340	138.187
130.0	54.680	75.865	111.617	132.083	137.880
130.5	54.936	75.967	111.206	131.776	137.521
131.0	55.090	76.121	110.796	131.314	137.161
131.5	55.295	76.275	110.386	130.904	136.802
132.0	55.501	76.429	109.924	130.647	136.495
132.5	55.603	76.480	109.411	130.134	136.033
133.0	55.757	76.531	109.206	129.672	135.469
133.5	55.808	76.480	108.898	129.313	135.212
134.0	55.860	76.377	108.693	128.903	134.853
134.5	56.014	76.172	108.437	128.441	134.186
135.0	56.167	76.018	108.129	127.826	133.673
135.5	56.116	75.608	107.872	127.416	133.263
136.0	56.219	75.557	107.513	126.903	132.750
136.5	56.321	75.403	107.257	126.338	132.237
137.0	56.373	75.146	106.846	125.877	131.673
137.5	56.424	74.890	106.487	125.261	131.160
138.0	56.527	74.736	105.974	124.748	130.544
138.5	56.527	74.531	105.308	124.184	130.083

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

139.0	56.475	74.377	104.538	123.517	129.365
139.5	56.475	74.172	103.615	122.799	128.852
140.0	56.475	73.915	102.589	122.132	128.134
140.5	56.475	73.761	101.666	121.311	127.364
141.0	56.475	73.659	100.640	120.439	126.749
141.5	56.475	73.454	99.614	119.670	126.133
142.0	56.424	73.351	98.639	118.695	125.466
142.5	56.373	73.197	97.613	117.823	124.697
143.0	56.321	73.043	96.639	117.003	123.927
143.5	56.321	72.838	95.510	116.131	123.209
144.0	56.321	72.582	94.536	115.464	122.389
144.5	56.475	72.377	93.561	114.694	121.671
145.0	56.680	72.171	92.484	114.028	120.850
145.5	57.039	71.915	91.509	113.361	120.029
146.0	57.501	71.710	90.586	112.643	119.260
146.5	57.963	71.505	89.817	111.873	118.388
147.0	58.424	71.248	88.945	111.104	117.516
147.5	58.835	71.145	88.278	110.334	116.644
148.0	59.296	70.940	87.560	109.462	115.720
148.5	59.707	70.889	86.995	108.642	114.797
149.0	60.220	70.889	86.380	107.821	113.976
149.5	60.579	71.043	85.816	106.949	112.950
150.0	60.989	71.145	85.251	106.128	111.873
150.5	61.348	71.197	84.636	105.205	110.745
151.0	61.605	71.351	83.815	104.282	109.411
151.5	61.861	71.402	82.943	103.307	108.180
152.0	62.169	71.505	82.122	102.281	106.949
152.5	62.477	71.607	81.353	101.204	105.615
153.0	62.682	71.658	80.532	99.973	104.538
153.5	62.938	71.812	79.660	98.691	103.307
154.0	63.144	71.761	78.891	97.254	102.281
154.5	63.400	71.812	78.224	95.869	101.255
155.0	63.503	71.915	77.557	94.279	100.486
155.5	63.708	71.966	76.890	92.792	99.665
156.0	63.862	71.966	76.429	91.202	98.947
156.5	64.118	71.966	75.967	89.611	98.024
157.0	64.221	72.069	75.505	88.175	97.152
157.5	64.375	72.069	75.198	86.790	96.177
158.0	64.580	72.017	75.044	85.354	95.254
158.5	64.631	72.017	74.839	84.174	94.177
159.0	64.888	71.864	74.685	83.046	93.253
159.5	65.093	71.761	74.428	81.969	92.227
160.0	65.349	71.658	74.172	81.097	91.202
160.5	65.657	71.607	73.967	80.276	90.227
161.0	65.862	71.453	73.915	79.404	89.252
161.5	66.170	71.402	73.813	78.532	88.534
162.0	66.426	71.299	73.967	77.814	87.919
162.5	66.683	71.299	74.069	77.044	87.201
163.0	66.991	71.248	74.121	76.224	86.585
163.5	67.247	71.248	74.223	75.352	85.816
164.0	67.350	71.248	74.326	74.274	85.098
164.5	67.504	71.145	74.223	73.454	84.174
165.0	67.657	71.145	74.069	72.633	83.251
165.5	67.811	71.094	73.915	72.069	82.276
166.0	67.965	71.043	73.813	71.453	80.789
166.5	68.119	71.043	73.659	70.940	80.071

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CANDELA TABULATION - (Cont.)

167.0	68.324	71.043	73.505	70.479	79.506
167.5	68.427	71.043	73.197	70.068	78.942
168.0	68.581	71.043	72.941	69.658	78.481
168.5	68.888	70.838	72.582	69.299	77.916
169.0	69.042	70.889	72.325	68.940	77.352
169.5	69.299	70.735	71.915	68.529	76.737
170.0	69.401	70.684	71.556	68.016	76.172
170.5	69.555	70.581	71.094	67.452	75.557
171.0	69.658	70.479	70.581	66.837	74.787
171.5	69.812	70.479	70.120	66.272	74.172
172.0	70.068	70.376	69.863	65.708	73.249
172.5	70.222	70.376	69.555	65.093	72.223
173.0	70.427	70.273	69.299	64.528	70.479
173.5	70.684	70.325	69.196	63.964	67.863
174.0	70.889	70.325	69.145	63.503	64.631
174.5	71.043	70.325	69.042	63.041	60.784
175.0	71.351	70.479	68.991	62.682	56.424
175.5	71.453	70.530	68.940	62.528	51.859
176.0	71.658	70.633	68.940	62.374	48.884
176.5	71.710	70.684	68.888	62.374	46.781
177.0	71.915	70.786	68.786	62.220	44.626
177.5	71.966	70.786	68.632	62.169	44.165
178.0	72.171	70.889	68.581	62.118	44.267
178.5	72.274	70.940	68.632	62.015	44.370
179.0	72.377	70.940	68.581	61.861	44.421
179.5	72.479	70.940	68.529	61.810	44.472
180.0	64.990	64.990	64.990	64.990	64.990

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L50-840-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	587.26	N.A.	11.70
0-30	1230.5	N.A.	24.50
0-40	1976.63	N.A.	39.40
0-60	3345.19	N.A.	66.70
0-80	4167.51	N.A.	83.10
0-90	4374.32	N.A.	87.30
10-90	4221.22	N.A.	84.20
20-40	1389.37	N.A.	27.70
20-50	2124.13	N.A.	42.40
40-70	1856.06	N.A.	37.00
60-80	822.32	N.A.	16.40
70-80	334.82	N.A.	6.70
80-90	206.81	N.A.	4.10
90-110	241.56	N.A.	4.80
90-120	343.25	N.A.	6.80
90-130	436.84	N.A.	8.70
90-150	573.50	N.A.	11.40
90-180	638.82	N.A.	12.70
110-180	397.26	N.A.	7.90
0-180	5013.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	153.10
10-20	434.16
20-30	643.24
30-40	746.13
40-50	734.75
50-60	633.81
60-70	487.50
70-80	334.82
80-90	206.81
90-100	132.51
100-110	109.05
110-120	101.69
120-130	93.59
130-140	78.65
140-150	58.00
150-160	37.92
160-170	20.89
170-180	6.51

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L50-840-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-L50-840-DIM-UNV_.IES

UGR TABLE - CORRECTED

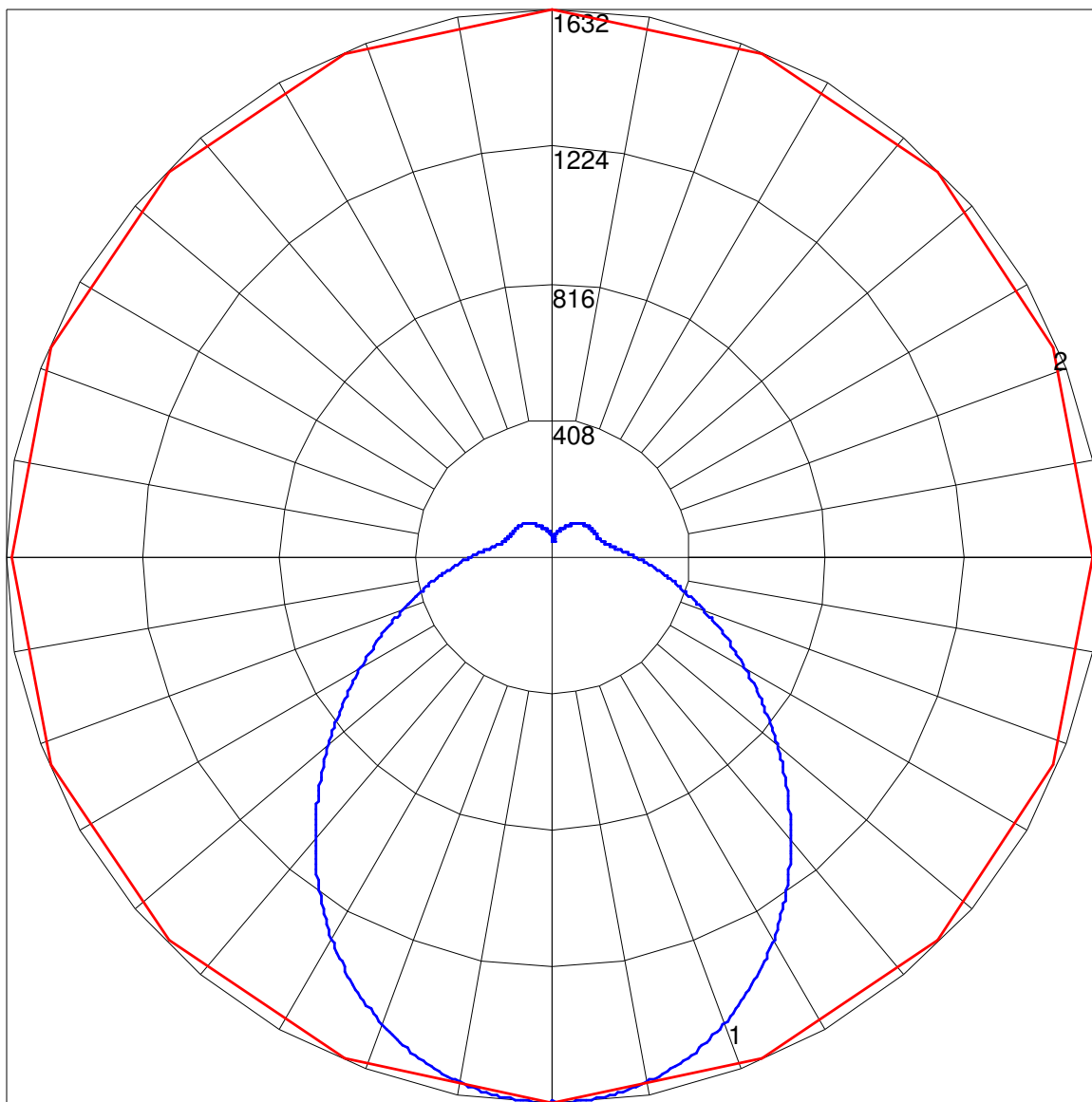
Reflectances

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	17.4	18.8	18.0	19.3	19.9	19.1	20.4	19.6	21.0	21.6
	3H	18.8	20.0	19.3	20.6	21.2	21.3	22.5	21.8	23.1	23.7
	4H	19.2	20.4	19.8	21.0	21.6	22.3	23.5	22.9	24.1	24.8
	6H	19.5	20.6	20.1	21.2	21.9	23.5	24.5	24.1	25.1	25.8
	8H	19.6	20.6	20.2	21.2	21.9	24.0	25.1	24.7	25.7	26.4
	12H	19.6	20.6	20.2	21.2	21.9	24.7	25.7	25.3	26.3	27.0
4H	2H	18.1	19.3	18.7	19.9	20.6	19.5	20.6	20.1	21.2	21.9
	3H	19.7	20.7	20.3	21.3	22.0	21.9	22.9	22.5	23.5	24.2
	4H	20.3	21.2	20.9	21.8	22.6	23.2	24.0	23.8	24.7	25.4
	6H	20.7	21.5	21.4	22.2	22.9	24.5	25.3	25.1	25.9	26.7
	8H	20.8	21.6	21.5	22.2	23.0	25.2	25.9	25.8	26.6	27.3
	12H	20.9	21.6	21.6	22.3	23.0	26.0	26.6	26.6	27.3	28.1
8H	4H	20.9	21.6	21.5	22.3	23.0	23.3	24.1	24.0	24.7	25.5
	6H	21.5	22.1	22.1	22.8	23.5	24.9	25.5	25.5	26.2	26.9
	8H	21.7	22.2	22.3	22.9	23.7	25.7	26.3	26.4	27.0	27.7
	12H	21.8	22.3	22.5	23.0	23.8	26.7	27.2	27.4	27.9	28.7
12H	4H	21.0	21.7	21.7	22.4	23.1	23.4	24.0	24.0	24.7	25.5
	6H	21.7	22.3	22.4	23.0	23.8	24.9	25.5	25.6	26.1	26.9
	8H	22.0	22.5	22.7	23.2	24.0	25.8	26.3	26.5	27.0	27.8

Maximum UGR = 28.7

POLAR GRAPH



Maximum Candela = 1632.191 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.)