

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00672 ~ ON3012GV-55L35K-EX-MWI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00672  
[TESTLAB] Spectrum Photometric Lab VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUEDATE] 4/20/2018  
[UPDATE] 5/25/2018  
[LUMCAT] ON3012GV-55L-35K-EX-MWI  
[LUMINAIRE] Nom. 30" diam x 11.5" H, Orion luminaire  
[OTHER] Regressed, 11" diam. frosted glass globe  
[OTHER] Reflector: Matte White interior finish  
[LAMP] N/A, Gen3  
[LAMPCAT] N/A  
[OTHER] Total Luminaire Watts is approximate  
[OTHER] CCT Multipliers: 27K x 0.971, 30K x 0.985, 40K x 1.03  
[OTHER] This report generated by Spectrum Lighting  
[  CRI]85+

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4065
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	39
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Circular
Luminous Length (0-180)	2.50 ft (Diameter)
Luminous Width (90-270)	2.50 ft (Diameter)
Luminous Height	0.00 ft

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**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3430	3381	3337
55	3180	2790	2572
65	1657	1269	1096
75	891	661	584
85	618	262	161

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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>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
<b>0.0</b>	1702.650	1702.650	1702.650	1702.650	1702.650	1702.650	1702.650	1702.650	1702.650	1702.650
<b>2.5</b>	1698.888	1697.681	1690.560	1689.032	1682.653	1670.758	1680.469	1689.904	1699.003	1705.515
<b>5.0</b>	1686.714	1679.928	1670.478	1668.127	1663.130	1645.047	1657.083	1670.576	1686.934	1694.657
<b>7.5</b>	1661.523	1654.474	1643.358	1640.199	1634.321	1613.965	1626.586	1640.321	1660.598	1672.159
<b>10.0</b>	1634.980	1625.327	1613.694	1611.134	1604.425	1580.016	1592.095	1607.916	1633.333	1644.204
<b>12.5</b>	1603.419	1594.383	1580.878	1577.740	1570.738	1543.400	1556.837	1571.467	1596.765	1610.220
<b>15.0</b>	1571.122	1562.769	1547.440	1543.936	1536.256	1507.111	1521.234	1534.865	1560.090	1574.885
<b>17.5</b>	1536.787	1528.079	1513.380	1510.202	1499.646	1471.068	1483.762	1498.032	1522.683	1538.342
<b>20.0</b>	1501.841	1492.492	1478.186	1476.413	1463.101	1436.427	1445.629	1460.467	1485.232	1502.012
<b>22.5</b>	1465.536	1455.763	1442.046	1437.789	1426.687	1402.647	1409.916	1421.991	1447.348	1465.841
<b>25.0</b>	1428.576	1418.794	1405.018	1399.384	1390.696	1367.225	1374.842	1384.422	1409.742	1427.073
<b>27.5</b>	1390.465	1381.918	1367.392	1364.144	1355.413	1330.991	1339.092	1347.768	1373.865	1386.756
<b>30.0</b>	1352.061	1345.056	1330.765	1328.635	1319.066	1295.440	1303.213	1312.283	1337.901	1349.214
<b>32.5</b>	1313.246	1308.739	1294.683	1290.947	1281.266	1260.153	1267.220	1277.753	1301.558	1313.007
<b>35.0</b>	1274.419	1272.465	1257.440	1253.151	1243.092	1223.864	1231.213	1241.686	1265.081	1277.078
<b>37.5</b>	1235.578	1232.328	1219.691	1214.798	1204.507	1187.276	1193.838	1204.579	1228.182	1241.256
<b>40.0</b>	1194.625	1192.066	1178.684	1175.652	1165.356	1147.748	1156.379	1166.009	1190.389	1201.582
<b>42.5</b>	1151.677	1150.420	1136.584	1133.549	1125.694	1107.574	1114.909	1126.648	1150.409	1160.804
<b>45.0</b>	1107.014	1108.069	1091.262	1088.325	1076.964	1057.094	1072.530	1081.219	1108.133	1117.225
<b>47.5</b>	1061.023	1057.182	1045.125	1034.262	1021.504	1005.107	1009.803	1033.168	1061.381	1073.058
<b>50.0</b>	1004.246	1001.232	964.307	960.652	930.482	901.282	940.698	951.784	1001.323	1017.538
<b>52.5</b>	940.643	911.055	877.224	844.260	818.274	792.831	809.609	859.140	920.608	960.403
<b>55.0</b>	832.548	809.856	730.516	712.674	673.443	633.363	675.626	715.243	808.919	842.718
<b>57.5</b>	702.057	657.752	577.159	554.396	512.962	473.583	523.712	558.549	657.959	720.342
<b>60.0</b>	562.105	512.534	445.971	417.510	389.715	364.844	383.196	430.208	516.859	570.884
<b>62.5</b>	418.370	390.751	315.978	311.167	280.592	259.448	290.775	306.897	386.017	422.256
<b>65.0</b>	319.745	284.074	244.802	227.728	211.374	198.962	209.241	234.839	286.696	326.555
<b>67.5</b>	234.908	214.297	177.091	169.964	153.412	143.289	159.389	168.962	213.343	236.527
<b>70.0</b>	181.779	157.632	136.876	127.094	118.065	110.126	118.103	131.076	161.067	182.514
<b>72.5</b>	135.822	117.266	102.487	93.611	87.863	83.219	89.123	97.776	118.645	136.563
<b>75.0</b>	105.235	91.517	78.036	74.319	68.950	64.416	69.941	75.760	92.493	102.876
<b>77.5</b>	81.567	70.814	60.846	56.429	52.346	49.024	53.325	58.215	71.272	80.329
<b>80.0</b>	62.042	52.146	43.833	39.181	36.523	33.417	34.698	41.527	54.415	60.942
<b>82.5</b>	43.279	35.768	25.681	24.108	20.016	17.434	19.261	24.576	33.624	42.832
<b>85.0</b>	24.580	16.846	10.442	7.813	6.412	4.728	5.613	10.617	17.690	25.493
<b>87.5</b>	8.844	4.438	2.165	1.506	1.241	1.083	0.901	1.454	5.177	9.445
<b>90.0</b>	1.043	0.524	1.169	0.470	0.968	0.799	0.310	0.684	0.453	1.298
<b>92.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>95.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>97.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>100.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>102.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>105.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>107.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>110.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>112.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>115.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>117.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>120.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>122.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>125.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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**CANDELA TABULATION - (Cont.)**

127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert.  
Angles**

**Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	1702.650	1702.650	1702.650	1702.650	1702.650	1702.650	1702.650
2.5	1706.862	1705.276	1699.658	1699.083	1701.137	1703.075	1698.888
5.0	1699.788	1699.588	1696.596	1696.591	1695.624	1696.056	1686.714
7.5	1680.446	1677.390	1674.020	1681.259	1677.959	1674.775	1661.523
10.0	1655.952	1652.731	1649.853	1658.490	1654.511	1650.013	1634.980
12.5	1623.474	1622.055	1617.713	1629.829	1625.522	1619.491	1603.419
15.0	1588.434	1589.148	1585.302	1598.381	1593.923	1587.974	1571.122
17.5	1551.799	1551.899	1550.107	1566.016	1560.300	1553.474	1536.787
20.0	1514.772	1514.732	1514.859	1533.315	1526.170	1518.649	1501.841
22.5	1477.316	1477.695	1478.948	1497.656	1491.719	1484.490	1465.536
25.0	1439.787	1440.840	1442.998	1461.184	1455.287	1450.350	1428.576
27.5	1402.678	1404.216	1406.773	1423.489	1417.842	1413.202	1390.465
30.0	1365.612	1366.760	1370.395	1385.544	1380.085	1375.892	1352.061
32.5	1328.310	1328.439	1333.327	1348.116	1342.205	1335.715	1313.246
35.0	1290.997	1290.707	1295.922	1310.758	1303.237	1295.454	1274.419
37.5	1253.797	1253.478	1257.367	1269.908	1263.927	1254.483	1235.578
40.0	1216.322	1213.958	1217.773	1228.815	1223.207	1213.456	1194.625
42.5	1174.149	1172.860	1175.496	1186.879	1182.161	1172.123	1151.677
45.0	1131.769	1130.355	1132.123	1144.768	1137.245	1129.678	1107.014
47.5	1087.621	1087.063	1086.542	1098.092	1091.727	1082.897	1061.023
50.0	1040.742	1036.527	1038.008	1050.630	1040.711	1032.647	1004.246
52.5	979.228	982.746	984.603	994.818	989.158	972.354	940.643
55.0	904.137	894.332	909.433	932.151	902.820	893.498	832.548
57.5	776.843	793.960	805.443	824.320	814.185	771.812	702.057
60.0	645.300	654.001	681.190	709.443	666.320	642.269	562.105
62.5	501.383	503.450	534.936	563.423	520.448	498.456	418.370
65.0	374.426	391.460	411.727	428.438	404.615	376.457	319.745

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**CANDELA TABULATION - (Cont.)**

67.5	283.799	286.633	308.602	327.383	297.289	285.121	234.908
70.0	211.793	225.183	235.176	243.544	231.649	214.682	181.779
72.5	160.659	170.070	176.056	185.098	175.365	160.775	135.822
75.0	123.314	129.950	135.862	142.137	131.653	123.094	105.235
77.5	93.205	100.293	103.907	108.322	103.042	93.428	81.567
80.0	71.364	77.281	81.181	85.159	79.752	73.162	62.042
82.5	52.308	57.965	60.973	62.736	59.792	54.982	43.279
85.0	33.648	37.528	41.386	43.282	40.389	35.305	24.580
87.5	16.044	19.902	21.551	25.217	22.589	17.477	8.844
90.0	1.999	4.509	7.166	3.533	5.990	1.440	1.043
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	599.47	N.A.	14.70
0-30	1254.01	N.A.	30.80
0-40	2049.82	N.A.	50.40
0-60	3605.41	N.A.	88.70
0-80	4037.34	N.A.	99.30
0-90	4065.15	N.A.	100.00
10-90	3906.37	N.A.	96.10
20-40	1450.35	N.A.	35.70
20-50	2302.24	N.A.	56.60
40-70	1875.67	N.A.	46.10
60-80	431.93	N.A.	10.60
70-80	111.85	N.A.	2.80
80-90	27.81	N.A.	0.70
90-110	0.28	N.A.	0.00
90-120	0.28	N.A.	0.00
90-130	0.28	N.A.	0.00
90-150	0.28	N.A.	0.00
90-180	0.28	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4065.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	158.78
10-20	440.70
20-30	654.53
30-40	795.82
40-50	851.89
50-60	703.70
60-70	320.08
70-80	111.85
80-90	27.81
90-100	0.28
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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**PHOTOMETRIC FILENAME : SP-00672 ~ ON3012GV-55L35K-EX-MWI.IES**

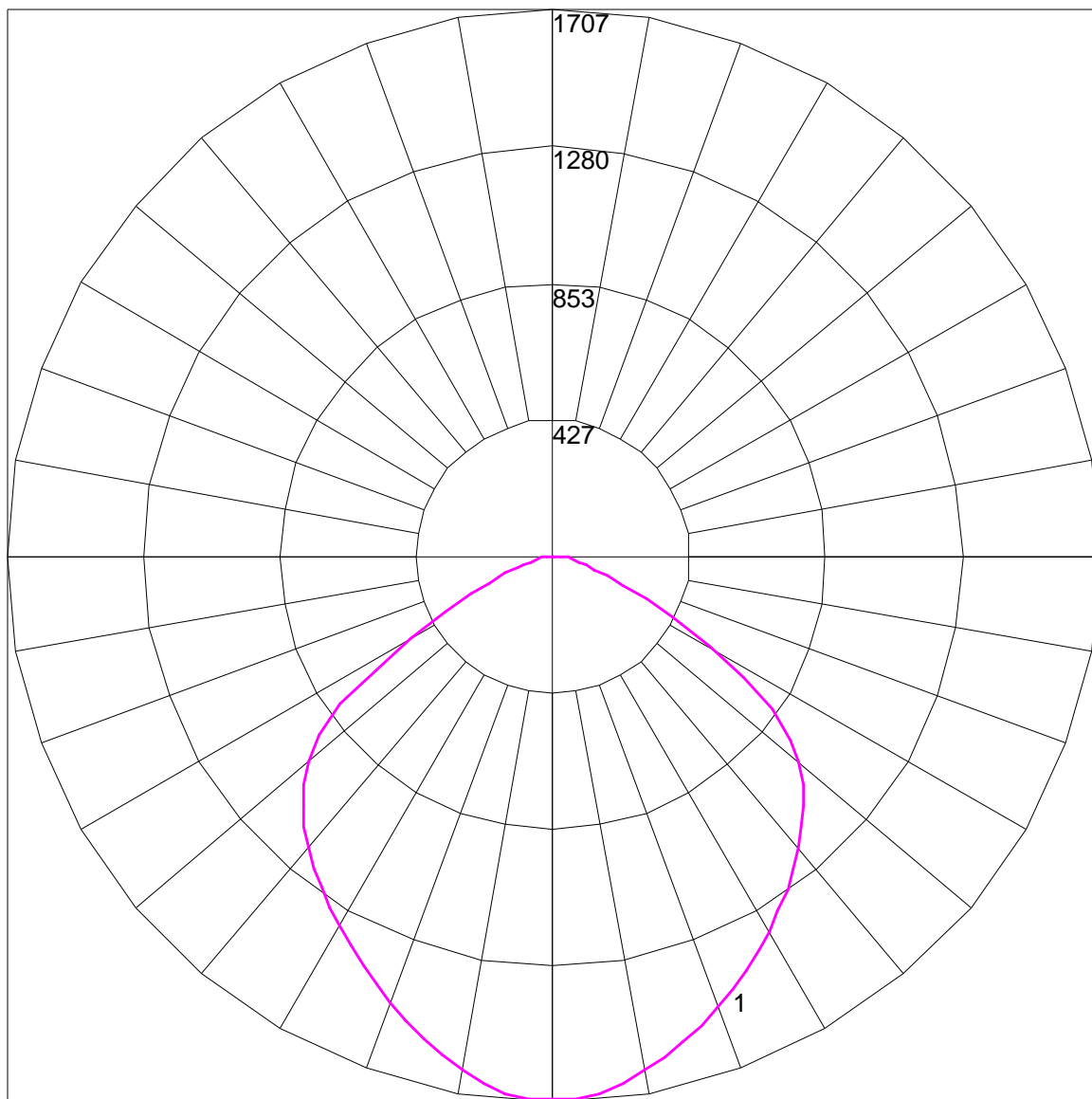
**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	99	108	104	101	98	100	97	94	96	94	92	92	91	89	87
2	101	94	88	83	99	92	87	82	89	84	80	85	82	78	83	79	76	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	70	66	64
4	86	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55
5	79	67	58	52	77	66	58	52	64	57	51	62	55	51	60	54	50	48
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42
7	68	55	46	40	66	54	46	40	52	45	40	51	45	40	50	44	39	38
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	34
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30
10	55	42	35	30	54	42	34	29	41	34	29	40	34	29	39	33	29	27

IES INDOOR REPORT  
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POLAR GRAPH



Maximum Candela = 1706.862 Located At Horizontal Angle = 225, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)