

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00642 ~ WS1611GV-55L35K-EXTF2-WMI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00642
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 1/31/2018
[UPDATE] 2/19/2018
[LUMDAT] WS1611GV-55L-35K-EX-TF2-MWI
[LUMINAIRE] Warehouse Shade 16" Nom. Diam x 11" H
[OTHER] Regressed, partially obscuring, shallow dome diffuser
[OTHER] Reflector: Matte White interior finish
[OTHER] Beam Angle: 110 degrees
[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, 50K x 1.06
[OTHER] This report generated by Spectrum Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4401
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	39
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.33 ft (Diameter)
Luminous Width (90-270)	1.33 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	12198	12183	12093
55	11875	12000	11914
65	7621	7900	8381
75	3416	3558	3798
85	1746	1933	2172

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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>
0	1739.279	1739.279	1739.279	1739.279	1739.279	1739.279	1739.279	1739.279	1739.279	1739.279
5	1730.064	1724.783	1720.564	1716.782	1715.466	1714.214	1714.146	1721.992	1724.011	1731.507
10	1699.942	1687.001	1678.849	1672.374	1673.495	1671.598	1669.464	1680.026	1686.413	1699.571
15	1647.871	1631.680	1622.359	1614.513	1615.458	1610.052	1607.822	1616.205	1628.158	1647.058
20	1579.459	1561.537	1551.921	1545.210	1545.691	1537.552	1531.879	1540.674	1554.531	1576.599
25	1497.604	1479.925	1471.269	1466.207	1466.213	1458.846	1450.921	1458.742	1472.865	1493.958
30	1407.183	1392.077	1387.969	1384.632	1383.192	1373.592	1368.045	1373.757	1388.530	1404.924
35	1313.843	1304.998	1303.264	1299.587	1296.133	1284.323	1279.330	1285.577	1300.146	1313.810
40	1218.850	1216.402	1214.316	1210.484	1204.331	1192.991	1185.549	1195.274	1205.949	1219.847
45	1119.362	1120.168	1117.923	1114.485	1109.669	1097.587	1089.903	1096.561	1107.594	1117.840
50	1010.039	1014.384	1014.304	1010.185	1004.803	994.135	988.570	991.266	1002.185	1010.353
55	883.947	890.752	893.189	891.715	886.805	878.687	873.161	874.475	882.994	890.865
60	688.027	703.287	701.622	712.514	716.743	710.164	707.162	710.172	712.814	719.400
65	417.964	414.930	433.247	435.647	459.655	459.047	437.279	449.853	450.441	460.922
70	215.651	212.830	225.397	226.521	238.765	242.218	231.285	234.197	234.685	238.395
75	114.746	114.796	119.522	119.424	127.564	132.385	127.615	130.226	127.546	130.578
80	53.556	52.002	54.077	55.740	58.277	66.342	63.708	63.611	65.948	63.515
85	19.746	18.482	21.858	20.924	24.567	34.983	30.508	33.524	32.380	33.377
90	0.000	0.000	0.000	0.000	2.302	7.079	4.178	6.785	6.544	8.513
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	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	1739.279	1739.279	1739.279	1739.279	1739.279	1739.279	1739.279
5	1738.293	1740.799	1744.419	1743.449	1741.298	1737.564	1730.064
10	1712.532	1721.589	1724.020	1725.319	1722.835	1712.022	1699.942
15	1665.311	1679.218	1683.663	1685.318	1682.619	1663.992	1647.871
20	1598.986	1616.833	1626.196	1627.300	1623.061	1597.711	1579.459
25	1520.988	1539.150	1550.940	1553.007	1543.973	1516.734	1497.604
30	1432.642	1450.394	1460.835	1463.642	1453.498	1427.376	1407.183
35	1335.086	1352.622	1359.017	1361.656	1354.791	1330.622	1313.843
40	1234.452	1246.771	1253.015	1254.071	1246.934	1227.644	1218.850
45	1129.022	1136.560	1140.346	1138.933	1130.477	1120.949	1119.362

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50	1016.349	1020.120	1017.696	1013.331	1007.556	1004.160	1010.039
55	892.054	893.424	887.527	879.084	873.315	874.525	883.947
60	722.854	708.010	700.124	692.074	685.885	700.006	688.027
65	446.746	441.834	419.993	413.411	428.977	403.868	417.964
70	234.899	229.274	219.378	214.176	222.395	207.737	215.651
75	125.793	124.088	118.510	111.932	116.767	112.984	114.746
80	64.031	60.889	59.942	51.151	54.062	52.109	53.556
85	31.955	31.478	29.413	21.028	22.882	20.465	19.746
90	7.511	6.998	0.000	0.000	1.856	0.000	0.000
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	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	627.45	N.A.	14.30
0-30	1317.41	N.A.	29.90
0-40	2142.32	N.A.	48.70
0-60	3783.55	N.A.	86.00
0-80	4368.42	N.A.	99.30
0-90	4399.83	N.A.	100.00
10-90	4235.86	N.A.	96.30
20-40	1514.87	N.A.	34.40
20-50	2377.31	N.A.	54.00
40-70	2086.52	N.A.	47.40
60-80	584.87	N.A.	13.30
70-80	139.58	N.A.	3.20
80-90	31.41	N.A.	0.70
90-110	0.89	N.A.	0.00
90-120	0.89	N.A.	0.00
90-130	0.89	N.A.	0.00
90-150	0.89	N.A.	0.00
90-180	0.89	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4400.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	163.97
10-20	463.48
20-30	689.96
30-40	824.90
40-50	862.45
50-60	778.79
60-70	445.29
70-80	139.58
80-90	31.41
90-100	0.89
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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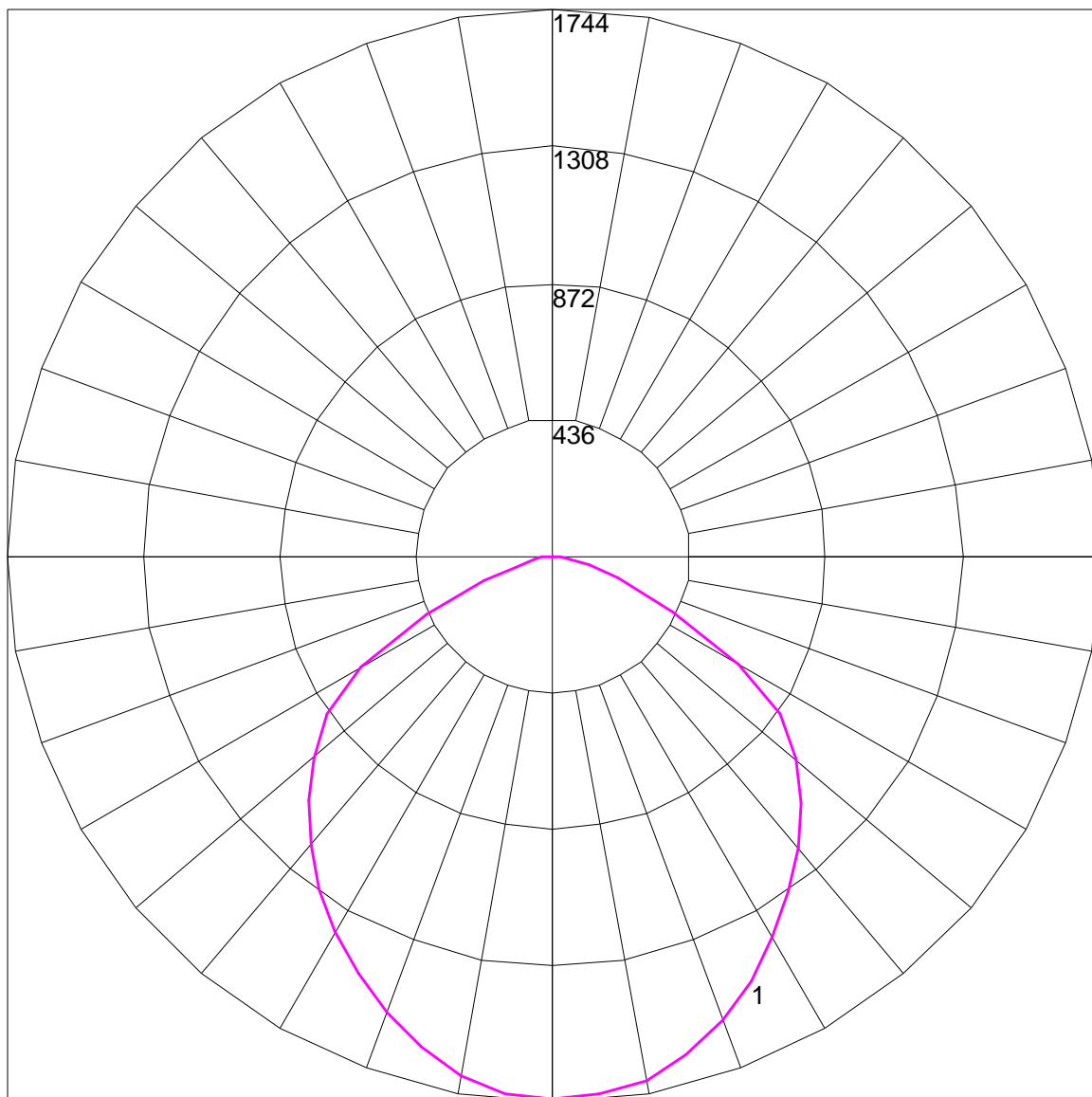
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	63
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	49	43	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29
10	54	41	34	29	53	41	34	28	40	33	28	39	33	28	38	32	28	26

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POLAR GRAPH



Maximum Candela = 1744.419 Located At Horizontal Angle = 270, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180)