

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00642 ~ WS1611GV-37L35K-EXTF2-WMI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00642\_M-37L  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUEDATE] 1/31/2018  
[UPDATE] 2/19/2018  
[LUMDAT] WS1611GV-37L-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	2988
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	26
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

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SP-00642 ~ WS1611GV-37L35K-EXTF2-WMI.IES**

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8283	8272	8211
55	8063	8148	8089
65	5175	5364	5691
75	2320	2416	2579
85	1185	1312	1475

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SP-00642 ~ WS1611GV-37L35K-EXTF2-WMI.IES**

**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</b>	1180.970	1180.970	1180.970	1180.970	1180.970	1180.970	1180.970	1180.970	1180.970	1180.970
<b>5</b>	1174.713	1171.128	1168.263	1165.695	1164.801	1163.951	1163.905	1169.233	1170.604	1175.693
<b>10</b>	1154.261	1145.474	1139.939	1135.542	1136.303	1135.015	1133.566	1140.738	1145.074	1154.009
<b>15</b>	1118.904	1107.911	1101.582	1096.254	1096.896	1093.225	1091.711	1097.403	1105.519	1118.352
<b>20</b>	1072.453	1060.284	1053.754	1049.198	1049.524	1043.998	1040.146	1046.118	1055.527	1070.511
<b>25</b>	1016.873	1004.869	998.992	995.555	995.559	990.556	985.175	990.486	1000.075	1014.398
<b>30</b>	955.477	945.220	942.431	940.165	939.187	932.669	928.903	932.781	942.812	953.943
<b>35</b>	892.099	886.094	884.916	882.420	880.074	872.055	868.665	872.907	882.799	892.077
<b>40</b>	827.599	825.937	824.521	821.919	817.741	810.041	804.988	811.591	818.839	828.276
<b>45</b>	760.047	760.594	759.070	756.735	753.465	745.262	740.044	744.565	752.056	759.013
<b>50</b>	685.817	688.767	688.712	685.916	682.261	675.018	671.239	673.070	680.484	686.030
<b>55</b>	600.200	604.821	606.475	605.475	602.141	596.628	592.876	593.769	599.553	604.897
<b>60</b>	467.170	477.532	476.401	483.797	486.669	482.201	480.163	482.207	484.001	488.473
<b>65</b>	283.798	281.737	294.175	295.804	312.106	311.693	296.912	305.450	305.849	312.966
<b>70</b>	146.427	144.512	153.045	153.808	162.121	164.466	157.043	159.020	159.351	161.870
<b>75</b>	77.913	77.946	81.155	81.089	86.616	89.889	86.651	88.423	86.604	88.662
<b>80</b>	36.365	35.309	36.718	37.847	39.570	45.046	43.258	43.192	44.779	43.127
<b>85</b>	13.408	12.549	14.842	14.207	16.681	23.753	20.715	22.763	21.986	22.663
<b>90</b>	0.000	0.000	0.000	0.000	1.563	4.807	2.837	4.607	4.443	5.780
<b>95</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>100</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>105</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>110</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>115</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>120</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>125</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>130</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>135</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>140</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>145</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>150</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>155</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>160</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>165</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>170</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>175</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>180</b>	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>
<b>0</b>	1180.970	1180.970	1180.970	1180.970	1180.970	1180.970	1180.970
<b>5</b>	1180.301	1182.003	1184.461	1183.802	1182.341	1179.806	1174.713
<b>10</b>	1162.809	1168.959	1170.610	1171.492	1169.805	1162.463	1154.261
<b>15</b>	1130.746	1140.189	1143.207	1144.331	1142.498	1129.851	1118.904
<b>20</b>	1085.712	1097.830	1104.187	1104.937	1102.058	1084.846	1072.453
<b>25</b>	1032.751	1045.083	1053.088	1054.492	1048.358	1029.862	1016.873
<b>30</b>	972.764	984.818	991.907	993.813	986.925	969.188	955.477
<b>35</b>	906.523	918.430	922.773	924.564	919.903	903.492	892.099
<b>40</b>	838.193	846.558	850.797	851.514	846.668	833.570	827.599
<b>45</b>	766.606	771.724	774.295	773.336	767.594	761.124	760.047

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SP-00642 ~ WS1611GV-37L35K-EXTF2-WMI.IES**

**CANDELA TABULATION - (Cont.)**

50	690.101	692.662	691.016	688.052	684.131	681.825	685.817
55	605.705	606.635	602.631	596.898	592.981	593.802	600.200
60	490.818	480.739	475.384	469.918	465.716	475.304	467.170
65	303.341	300.005	285.175	280.706	291.275	274.226	283.798
70	159.496	155.677	148.958	145.426	151.006	141.053	146.427
75	85.413	84.256	80.468	76.002	79.285	76.716	77.913
80	43.477	41.344	40.701	34.732	36.708	35.382	36.365
85	21.697	21.374	19.971	14.278	15.537	13.896	13.408
90	5.100	4.752	0.000	0.000	1.260	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

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SP-00642 ~ WS1611GV-37L35K-EXTF2-WMI.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	426.04	N.A.	14.30
0-30	894.52	N.A.	29.90
0-40	1454.63	N.A.	48.70
0-60	2569.03	N.A.	86.00
0-80	2966.16	N.A.	99.30
0-90	2987.48	N.A.	100.00
10-90	2876.15	N.A.	96.30
20-40	1028.6	N.A.	34.40
20-50	1614.2	N.A.	54.00
40-70	1416.75	N.A.	47.40
60-80	397.13	N.A.	13.30
70-80	94.78	N.A.	3.20
80-90	21.33	N.A.	0.70
90-110	0.60	N.A.	0.00
90-120	0.60	N.A.	0.00
90-130	0.60	N.A.	0.00
90-150	0.60	N.A.	0.00
90-180	0.60	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2988.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	111.34
10-20	314.70
20-30	468.49
30-40	560.11
40-50	585.60
50-60	528.80
60-70	302.35
70-80	94.78
80-90	21.33
90-100	0.60
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

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SP-00642 ~ WS1611GV-37L35K-EXTF2-WMI.IES**

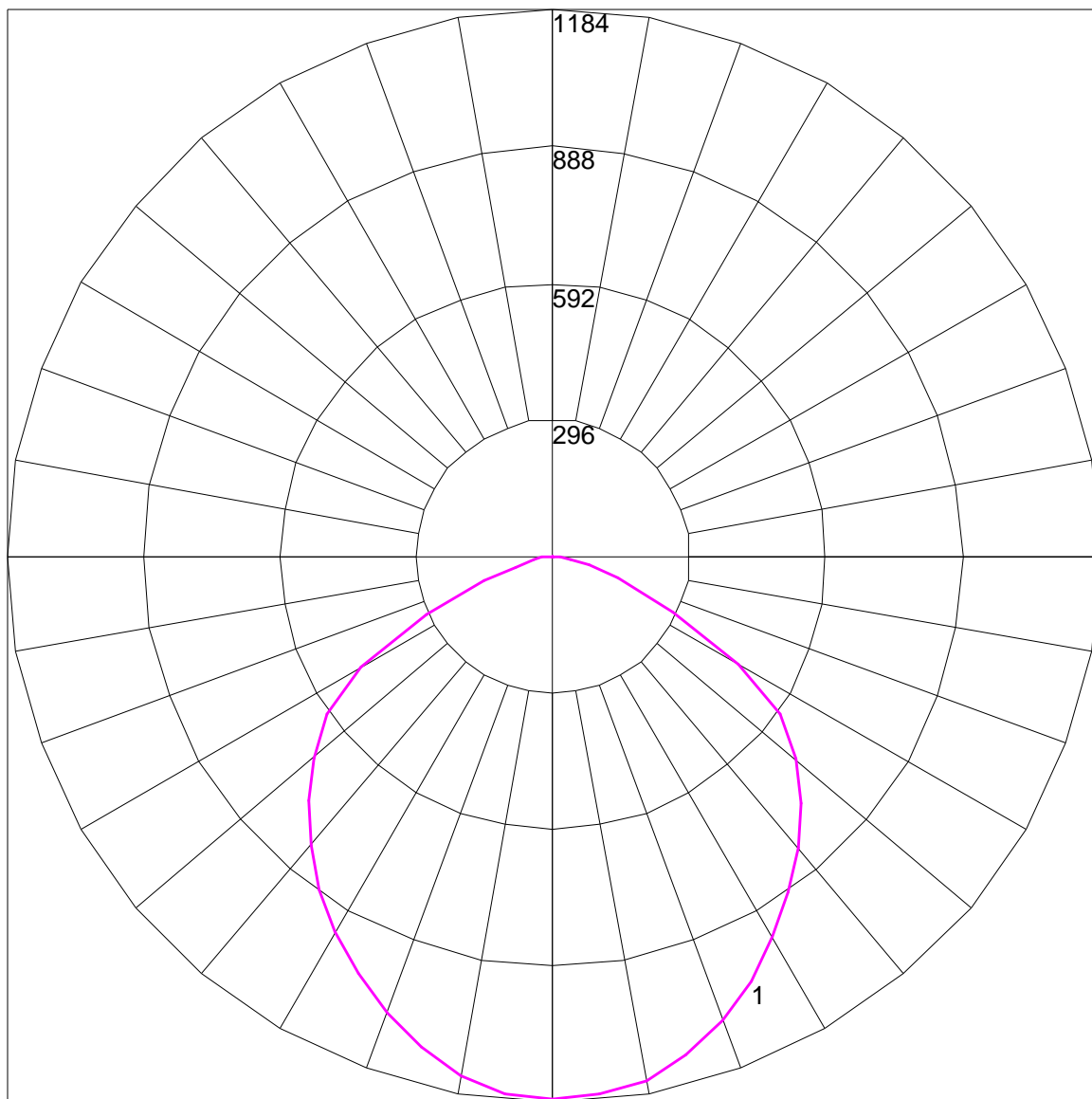
**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	107	104	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

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : SP-00642 ~ WS1611GV-37L35K-EXTF2-WMI.IES

POLAR GRAPH



Maximum Candela = 1184.461 Located At Horizontal Angle = 270, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)