

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SGE5LEDGV-15L35KE1-AR5222GVSGSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2015.1.1 see: www.ltiopics.com/ies

[ISSUE DATE]

[TEST DATE] Fri Aug 05 2016

[UPDATE] Wed Aug 10 2016

[TEST] SP-00522\_1\_M-15L

[MANUFAC] Spectrum Lighting

[LUMCAT] SGE5LEDGV-15L-35K-E1-AR5222GV-SG-SO

[LUMINAIRE] 5" aperture, downlight

[TRIM] Semi-diffuse anodized cone, open aperture, regressed Solite lens

[LAMP] N/A, Min. 85 CRI

[LAMPCAT] N/A

[OTHER] Total Luminaire Wattage is approximate

[OTHER] CCT Output Multipliers: 50K x 1.07, 40K x 1.03, 30K x 0.98, 27K x 0.97

[OTHER] This report prepared by Spectrum Lighting, scaled from 55L

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	748
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	56
Total Luminaire Watts	13.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.96
Spacing Criterion (90-270)	0.96
Spacing Criterion (Diagonal)	0.96
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.41 ft (Diameter)
Luminous Width (90-270)	0.41 ft (Diameter)
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11925	12060	12066
55	4397	4383	4489
65	293	277	307
75	61	59	48
85	36	36	33

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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>
<b>0</b>	677.447	677.447	677.447	677.447	677.447
<b>5</b>	688.173	682.206	676.175	679.311	683.533
<b>10</b>	673.858	670.983	672.061	677.455	680.843
<b>15</b>	642.923	641.317	634.554	635.693	631.888
<b>20</b>	559.653	560.927	565.055	564.948	566.441
<b>25</b>	468.239	466.102	466.049	473.304	472.884
<b>30</b>	368.666	375.349	374.411	370.469	372.761
<b>35</b>	277.631	277.874	276.118	275.637	278.671
<b>40</b>	182.371	182.313	182.540	183.018	181.846
<b>45</b>	104.199	104.603	105.377	104.368	105.432
<b>50</b>	56.486	55.433	56.989	56.207	56.381
<b>55</b>	31.164	30.927	31.065	31.872	31.814
<b>60</b>	13.300	13.242	12.935	13.244	13.383
<b>65</b>	1.532	1.521	1.449	1.438	1.601
<b>70</b>	0.271	0.257	0.299	0.318	0.271
<b>75</b>	0.194	0.169	0.188	0.202	0.152
<b>80</b>	0.119	0.091	0.100	0.100	0.077
<b>85</b>	0.039	0.041	0.039	0.030	0.036
<b>90</b>	0.000	0.006	0.000	0.008	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	241.49	N.A.	32.30
0-30	456.30	N.A.	61.00
0-40	628.63	N.A.	84.00
0-60	743.71	N.A.	99.40
0-80	747.92	N.A.	100.00
0-90	747.97	N.A.	100.00
10-90	683.25	N.A.	91.30
20-40	387.14	N.A.	51.80
20-50	472.87	N.A.	63.20
40-70	119.10	N.A.	15.90
60-80	4.22	N.A.	0.60
70-80	0.20	N.A.	0.00
80-90	0.05	N.A.	0.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	747.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	64.72
10-20	176.77
20-30	214.81
30-40	172.32
40-50	85.74
50-60	29.34
60-70	4.02
70-80	0.20
80-90	0.05
90-100	0.00
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

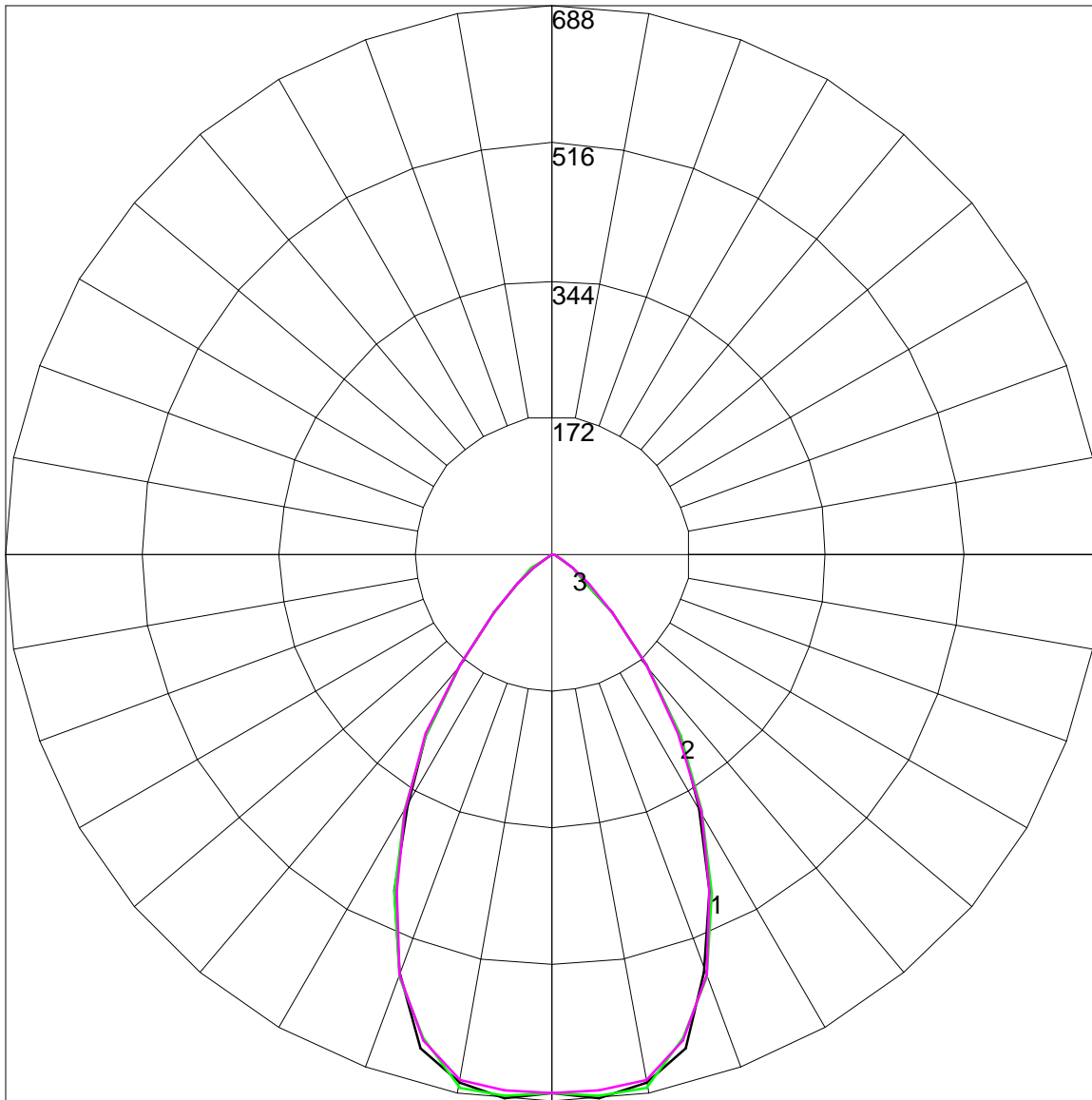
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85
3	101	94	89	84	99	93	88	84	90	86	82	87	84	81	85	82	80	78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	50	58	54	50	49
10	68	58	52	48	67	57	51	47	57	51	47	56	51	47	55	50	47	46

POLAR GRAPH



Maximum Candela = 688.173 Located At Horizontal Angle = 0, Vertical Angle = 5

# 1 - Vertical Plane Through Horizontal Angles (0 - 180)

# 2 - Vertical Plane Through Horizontal Angles (90 - 270)

# 3 - Vertical Plane Through Horizontal Angles (45 - 225)