

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGE5LEDGV-15L35KE1-AR5222GVSG.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Fri Aug 05 2016

[UPDATE] Wed Aug 10 2016

[TEST] SP-00522_M-15L

[MANUFAC] Spectrum Lighting

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

[LUMINAIRE] 5" aperture, downlight

[TRIM]Semi-diffuse anodized cone, open aperture

[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	819
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
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	12594	12685	12559
55	4168	4148	4188
65	336	358	298
75	69	61	64
85	51	49	84

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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	756.899	756.899	756.899	756.899	756.899
5	781.638	778.491	783.070	778.378	779.332
10	760.477	758.683	763.986	755.503	761.379
15	708.025	707.080	707.273	704.516	703.474
20	622.700	616.161	622.153	616.860	614.814
25	515.822	518.222	517.354	517.331	514.884
30	415.383	412.358	415.834	416.249	414.122
35	307.338	307.283	306.793	304.681	305.615
40	201.021	203.042	202.431	200.725	200.858
45	110.039	110.476	110.838	108.396	109.737
50	50.077	49.549	49.952	50.146	50.622
55	29.541	29.962	29.397	29.984	29.685
60	13.706	13.479	13.571	13.737	13.648
65	1.756	1.645	1.872	1.830	1.554
70	0.335	0.351	0.315	0.340	0.326
75	0.221	0.177	0.196	0.194	0.205
80	0.124	0.100	0.091	0.100	0.171
85	0.055	0.044	0.053	0.030	0.091
90	0.000	0.006	0.006	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	269.59	N.A.	32.90
0-30	506.61	N.A.	61.80
0-40	697.57	N.A.	85.10
0-60	814.95	N.A.	99.40
0-80	819.44	N.A.	100.00
0-90	819.49	N.A.	100.00
10-90	746.03	N.A.	91.00
20-40	427.99	N.A.	52.20
20-50	518.01	N.A.	63.20
40-70	121.64	N.A.	14.80
60-80	4.48	N.A.	0.50
70-80	0.22	N.A.	0.00
80-90	0.06	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	819.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	73.46
10-20	196.13
20-30	237.03
30-40	190.96
40-50	90.02
50-60	27.36
60-70	4.26
70-80	0.22
80-90	0.06
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

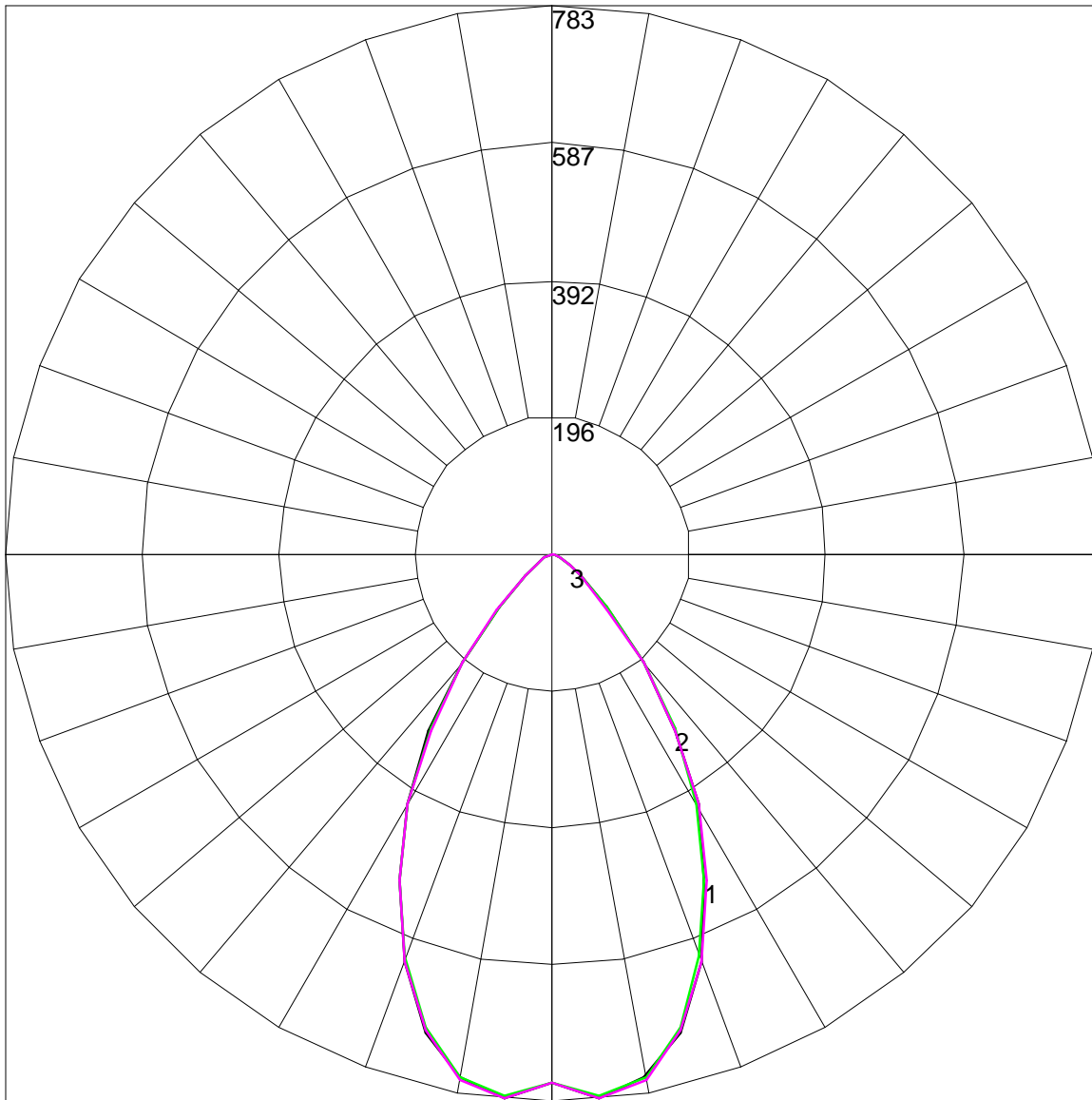
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78
4	95	87	81	77	94	86	81	76	84	79	76	82	78	75	80	77	74	72
5	90	81	75	70	88	80	74	70	78	73	69	77	72	69	75	71	68	67
6	85	76	69	65	84	75	69	64	73	68	64	72	67	63	70	66	63	62
7	81	71	64	60	79	70	64	60	69	63	59	67	62	59	66	62	59	57
8	76	66	60	55	75	66	59	55	64	59	55	63	58	55	62	58	54	53
9	72	62	56	52	71	62	56	51	61	55	51	60	55	51	59	54	51	49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	56	51	48	46

POLAR GRAPH



Maximum Candela = 783.07 Located At Horizontal Angle = 45, 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)