

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGE5LEDGV-55L35KE1-AR5222GVSG.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Fri Aug 05 2016

[UPDATE] Wed Aug 10 2016

[TEST] SP-00522

[MANUFAC] Spectrum Lighting

[LUMCAT]SGE5LEDGV-55L-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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2964
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	42.6
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	45547	45878	45422
55	15074	15001	15148
65	1216	1296	1076
75	250	222	231
85	186	176	306

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGE5LEDGV-55L35KE1-AR5222GVSG.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2737.43	2737.43	2737.43	2737.43	2737.43
5	2826.90	2815.52	2832.08	2815.11	2818.56
10	2750.37	2743.88	2763.06	2732.38	2753.63
15	2560.67	2557.25	2557.95	2547.98	2544.21
20	2252.08	2228.43	2250.10	2230.96	2223.56
25	1865.54	1874.22	1871.08	1871.00	1862.15
30	1502.29	1491.35	1503.92	1505.42	1497.73
35	1111.53	1111.33	1109.56	1101.92	1105.30
40	727.02	734.33	732.12	725.95	726.43
45	397.97	399.55	400.86	392.03	396.88
50	181.11	179.20	180.66	181.36	183.08
55	106.84	108.36	106.32	108.44	107.36
60	49.57	48.75	49.08	49.68	49.36
65	6.35	5.95	6.77	6.62	5.62
70	1.21	1.27	1.14	1.23	1.18
75	0.80	0.64	0.71	0.70	0.74
80	0.45	0.36	0.33	0.36	0.62
85	0.20	0.16	0.19	0.11	0.33
90	0.00	0.02	0.02	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGE5LEDGV-55L35KE1-AR5222GVSG.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	975.00	N.A.	32.90
0-30	1832.24	N.A.	61.80
0-40	2522.87	N.A.	85.10
0-60	2947.39	N.A.	99.40
0-80	2963.6	N.A.	100.00
0-90	2963.81	N.A.	100.00
10-90	2698.13	N.A.	91.00
20-40	1547.87	N.A.	52.20
20-50	1873.44	N.A.	63.20
40-70	439.94	N.A.	14.80
60-80	16.21	N.A.	0.50
70-80	0.79	N.A.	0.00
80-90	0.21	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	2963.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	265.68
10-20	709.32
20-30	857.24
30-40	690.63
40-50	325.57
50-60	98.95
60-70	15.42
70-80	0.79
80-90	0.21
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

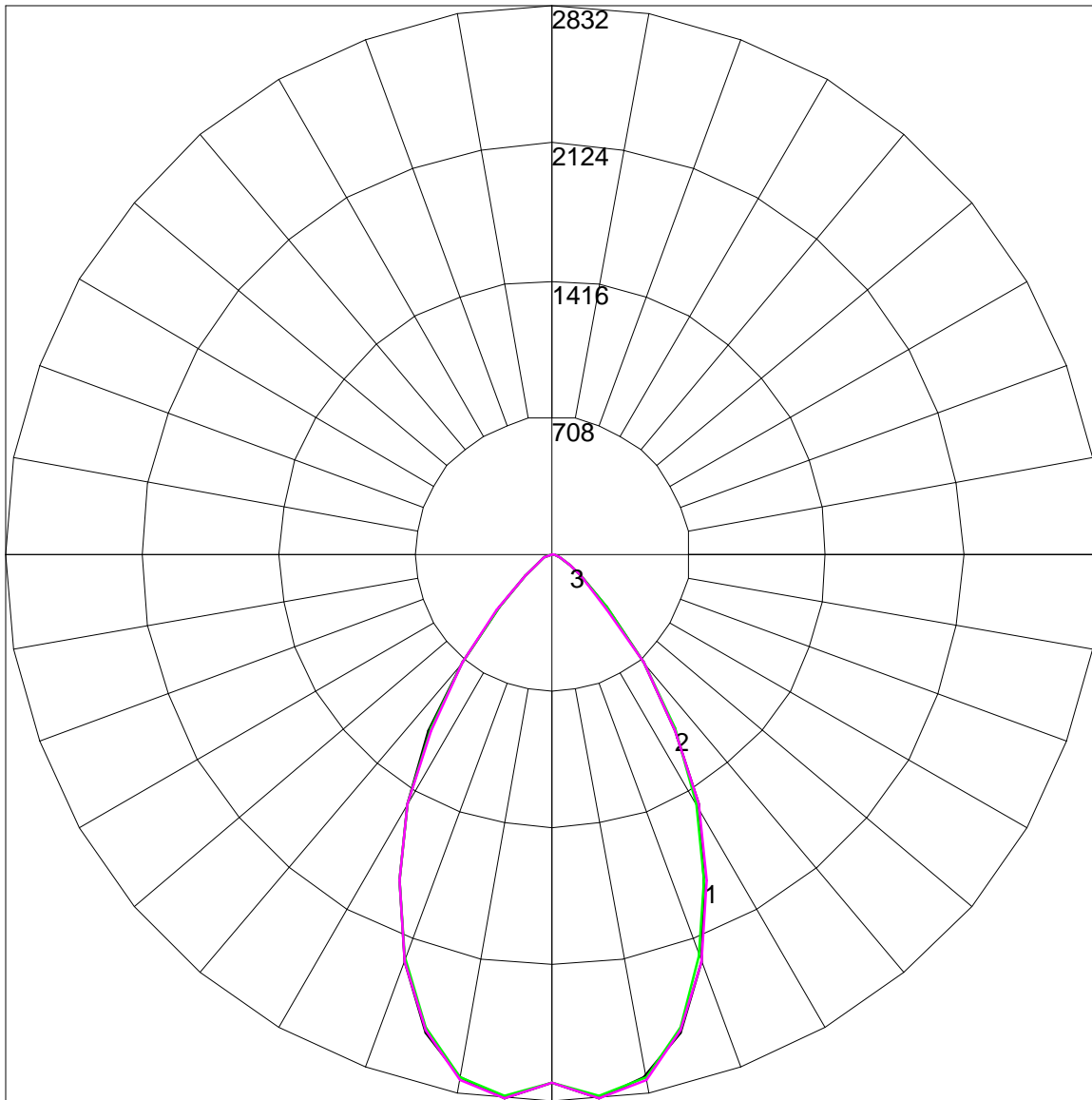
IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGE5LEDGV-55L35KE1-AR5222GVSG.IES

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	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	82	80	78
4	95	87	81	77	94	86	81	76	84	79	75	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	66
6	85	76	69	65	84	75	69	64	73	68	64	72	67	63	70	66	63	61
7	81	71	64	60	79	70	64	59	69	63	59	67	62	59	66	62	58	57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53
9	72	62	56	51	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	55	51	48	46

POLAR GRAPH



Maximum Candela = 2832.08 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)