

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SGE6LEDGV-55L35KE1-AR6222GVSGSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Wed Mar 23 2016

[UPDATE] Fri Aug 05 2016

[TEST] SP-00422_9

[MANUFAC] Spectrum Lighting

[LUMCAT] SGE6LEDGV-55L-35K-E1-AR6222GV-SG-SO

[LUMINAIRE] 6" 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] By Spectrum Lighting, adapted from open aperture, ITL test 101650171CRT-015

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3096
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	42.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.84
Spacing Criterion (90-270)	0.84
Spacing Criterion (Diagonal)	0.86
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.50 ft (Diameter)
Luminous Width (90-270)	0.50 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	26684	26896	27412
55	6169	5977	5694
65	311	320	314
75	171	195	163
85	157	145	182

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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	3609.33	3609.33	3609.33	3609.33	3609.33
5	3468.87	3483.09	3511.44	3540.99	3536.91
10	3288.79	3268.16	3287.12	3292.32	3275.69
15	2940.67	2943.70	2933.73	2935.00	2922.83
20	2529.33	2531.00	2530.32	2501.05	2510.99
25	2014.23	2010.11	2018.13	2013.76	2012.58
30	1507.12	1501.75	1513.47	1506.15	1515.56
35	1060.77	1064.08	1066.20	1068.12	1069.26
40	667.76	662.92	674.08	663.44	664.55
45	344.51	346.11	347.25	352.49	353.91
50	154.34	153.12	155.33	153.99	154.22
55	64.61	63.73	62.60	63.14	59.63
60	11.77	12.12	11.38	11.74	11.16
65	2.40	2.33	2.47	2.34	2.42
70	1.87	1.64	1.60	1.52	1.54
75	0.81	1.14	0.92	0.94	0.77
80	0.45	0.65	0.64	0.55	0.68
85	0.25	0.22	0.23	0.22	0.29
90	0.04	0.06	0.04	0.02	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1146.66	N.A.	37.00
0-30	2067.96	N.A.	66.80
0-40	2736.06	N.A.	88.40
0-60	3090.14	N.A.	99.80
0-80	3095.65	N.A.	100.00
0-90	3095.96	N.A.	100.00
10-90	2767.88	N.A.	89.40
20-40	1589.4	N.A.	51.30
20-50	1879.04	N.A.	60.70
40-70	358.51	N.A.	11.60
60-80	5.52	N.A.	0.20
70-80	1.08	N.A.	0.00
80-90	0.30	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	3095.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	328.08
10-20	818.58
20-30	921.30
30-40	668.10
40-50	289.64
50-60	64.44
60-70	4.43
70-80	1.08
80-90	0.30
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

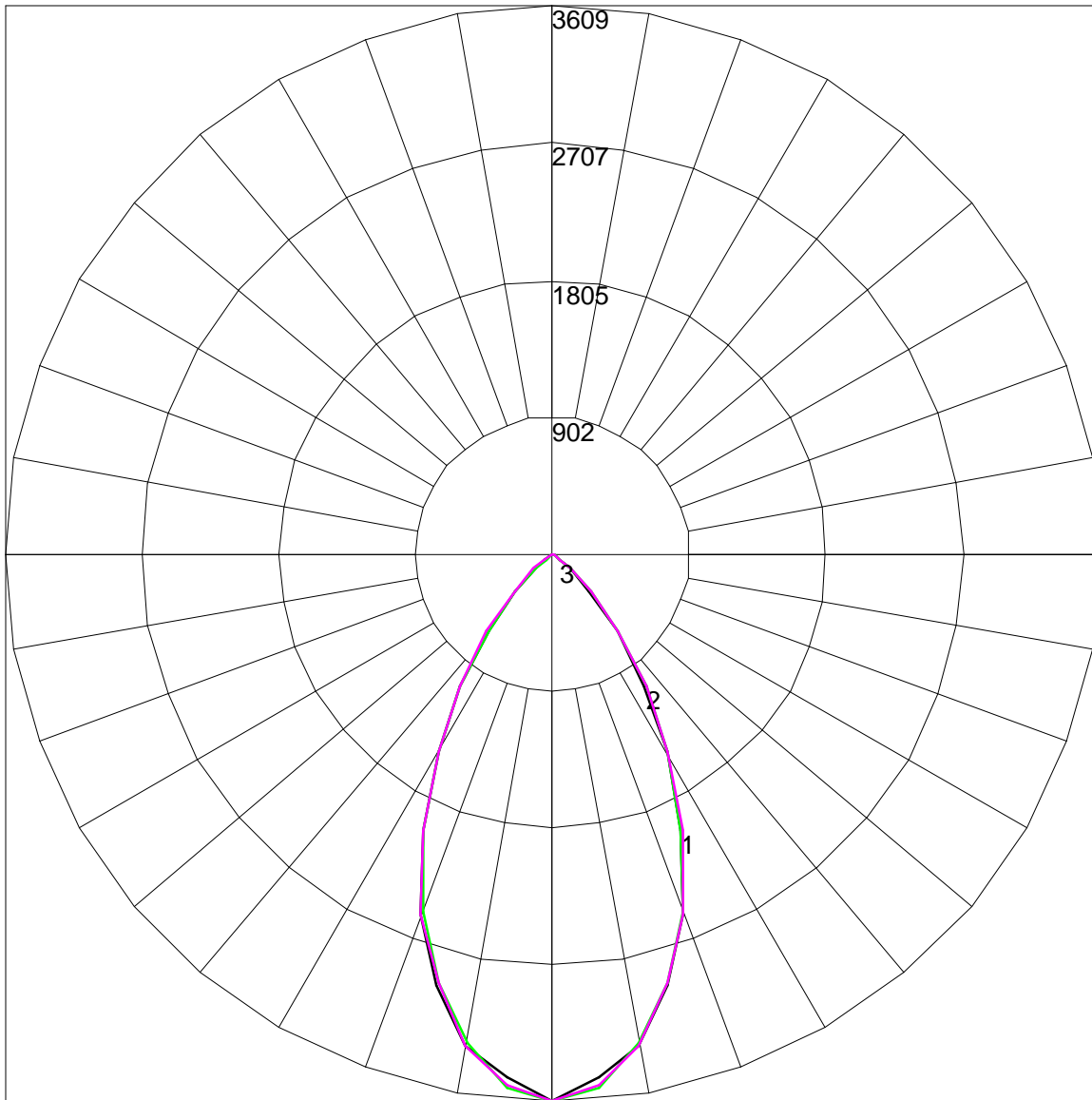
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	82	78	86	81	77	84	80	77	82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72	79	74	71	77	73	70	69
6	87	78	71	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	51	49

POLAR GRAPH



Maximum Candela = 3609.33 Located At Horizontal Angle = 0, Vertical Angle = 0

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

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

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