

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SGE4LEDGV-37L35KE1-AR4222GVSGSO.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-00521_1_M-37L

[MANUFAC] Spectrum Lighting

[LUMCAT] SGE4LEDGV-37L-35K-E1-AR4222GV-SG-SO

[LUMINAIRE] 4" 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	1888
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	29.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.90
Spacing Criterion (90-270)	0.90
Spacing Criterion (Diagonal)	0.92
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.33 ft (Diameter)
Luminous Width (90-270)	0.33 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	45745	45790	45423
55	19336	19712	19057
65	4208	4118	4281
75	390	429	438
85	259	305	221

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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	1818.994	1818.994	1818.994	1818.994	1818.994
5	1829.026	1802.054	1833.383	1808.264	1826.192
10	1777.795	1802.818	1763.101	1765.361	1788.172
15	1651.939	1626.685	1640.871	1635.655	1630.291
20	1399.766	1399.002	1407.025	1409.116	1408.412
25	1136.344	1146.059	1141.621	1144.002	1147.026
30	901.998	901.991	895.138	894.617	895.422
35	677.961	675.465	674.017	668.977	665.345
40	445.922	446.206	446.267	450.786	444.183
45	262.435	261.440	262.698	265.452	260.588
50	152.659	150.893	150.602	150.420	154.391
55	89.981	88.290	91.733	91.118	88.682
60	46.949	46.868	46.733	46.841	46.726
65	14.430	14.409	14.119	14.741	14.680
70	1.813	1.766	1.590	1.799	1.651
75	0.819	0.967	0.900	1.001	0.920
80	0.507	0.467	0.555	0.474	0.534
85	0.183	0.169	0.216	0.196	0.156
90	0.000	0.000	0.014	0.014	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	625.30	N.A.	33.10
0-30	1150.84	N.A.	60.90
0-40	1568.85	N.A.	83.10
0-60	1868.12	N.A.	98.90
0-80	1888.2	N.A.	100.00
0-90	1888.44	N.A.	100.00
10-90	1716.31	N.A.	90.90
20-40	943.55	N.A.	50.00
20-50	1158.67	N.A.	61.40
40-70	318.27	N.A.	16.90
60-80	20.07	N.A.	1.10
70-80	1.08	N.A.	0.10
80-90	0.24	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	1888.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	172.13
10-20	453.17
20-30	525.54
30-40	418.01
40-50	215.12
50-60	84.16
60-70	18.99
70-80	1.08
80-90	0.24
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

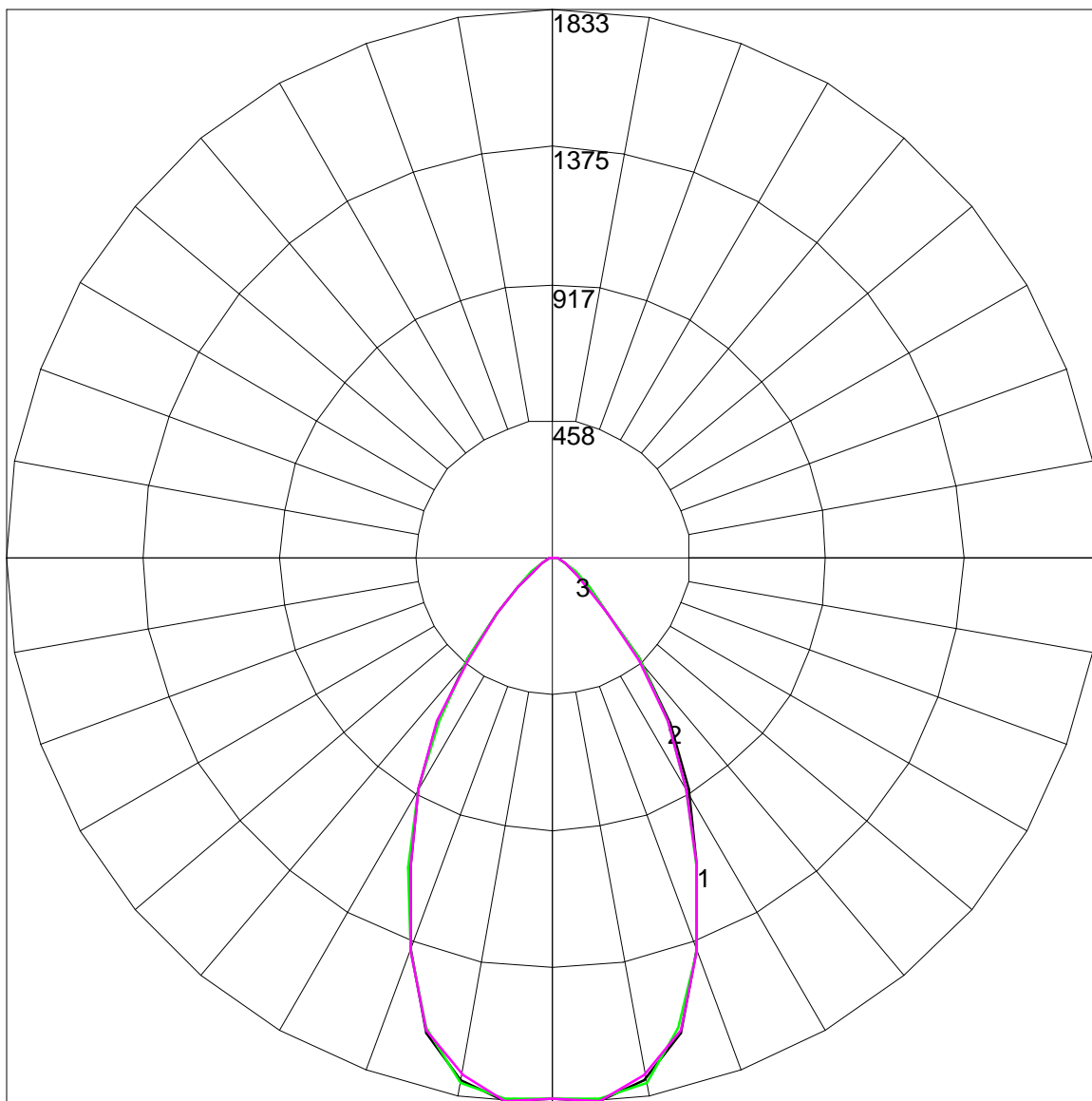
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	95	94	93
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	79	78
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	80	76	73	71
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	74	71	67	66
6	85	75	69	64	83	74	68	64	73	67	63	71	66	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	52	48	57	51	47	56	51	47	55	50	47	46

POLAR GRAPH



Maximum Candela = 1833.383 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)