

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SGE6LEDGV-27L35KE1-AR6222GVSGSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Wed Mar 23 2016

[UPDATE] Fri Aug 05 2016

[TEST] SP-00422_9_M-27L

[MANUFAC] Spectrum Lighting

[LUMCAT] SGE6LEDGV-27L-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	1548
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	22.3
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	13342	13448	13706
55	3085	2989	2847
65	156	160	157
75	86	97	81
85	79	72	91

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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	1804.665	1804.665	1804.665	1804.665	1804.665
5	1734.435	1741.545	1755.720	1770.495	1768.455
10	1644.395	1634.080	1643.560	1646.160	1637.845
15	1470.335	1471.850	1466.865	1467.500	1461.415
20	1264.665	1265.500	1265.160	1250.525	1255.495
25	1007.115	1005.055	1009.065	1006.880	1006.290
30	753.560	750.875	756.735	753.075	757.780
35	530.385	532.040	533.100	534.060	534.630
40	333.880	331.460	337.040	331.720	332.275
45	172.255	173.055	173.625	176.245	176.955
50	77.170	76.560	77.665	76.995	77.110
55	32.305	31.865	31.300	31.570	29.815
60	5.885	6.060	5.690	5.870	5.580
65	1.200	1.165	1.235	1.170	1.210
70	0.935	0.820	0.800	0.760	0.770
75	0.405	0.570	0.460	0.470	0.385
80	0.225	0.325	0.320	0.275	0.340
85	0.125	0.110	0.115	0.110	0.145
90	0.020	0.030	0.020	0.010	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	573.33	N.A.	37.00
0-30	1033.98	N.A.	66.80
0-40	1368.03	N.A.	88.40
0-60	1545.07	N.A.	99.80
0-80	1547.83	N.A.	100.00
0-90	1547.98	N.A.	100.00
10-90	1383.94	N.A.	89.40
20-40	794.70	N.A.	51.30
20-50	939.52	N.A.	60.70
40-70	179.25	N.A.	11.60
60-80	2.76	N.A.	0.20
70-80	0.54	N.A.	0.00
80-90	0.15	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	1547.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	164.04
10-20	409.29
20-30	460.65
30-40	334.05
40-50	144.82
50-60	32.22
60-70	2.22
70-80	0.54
80-90	0.15
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

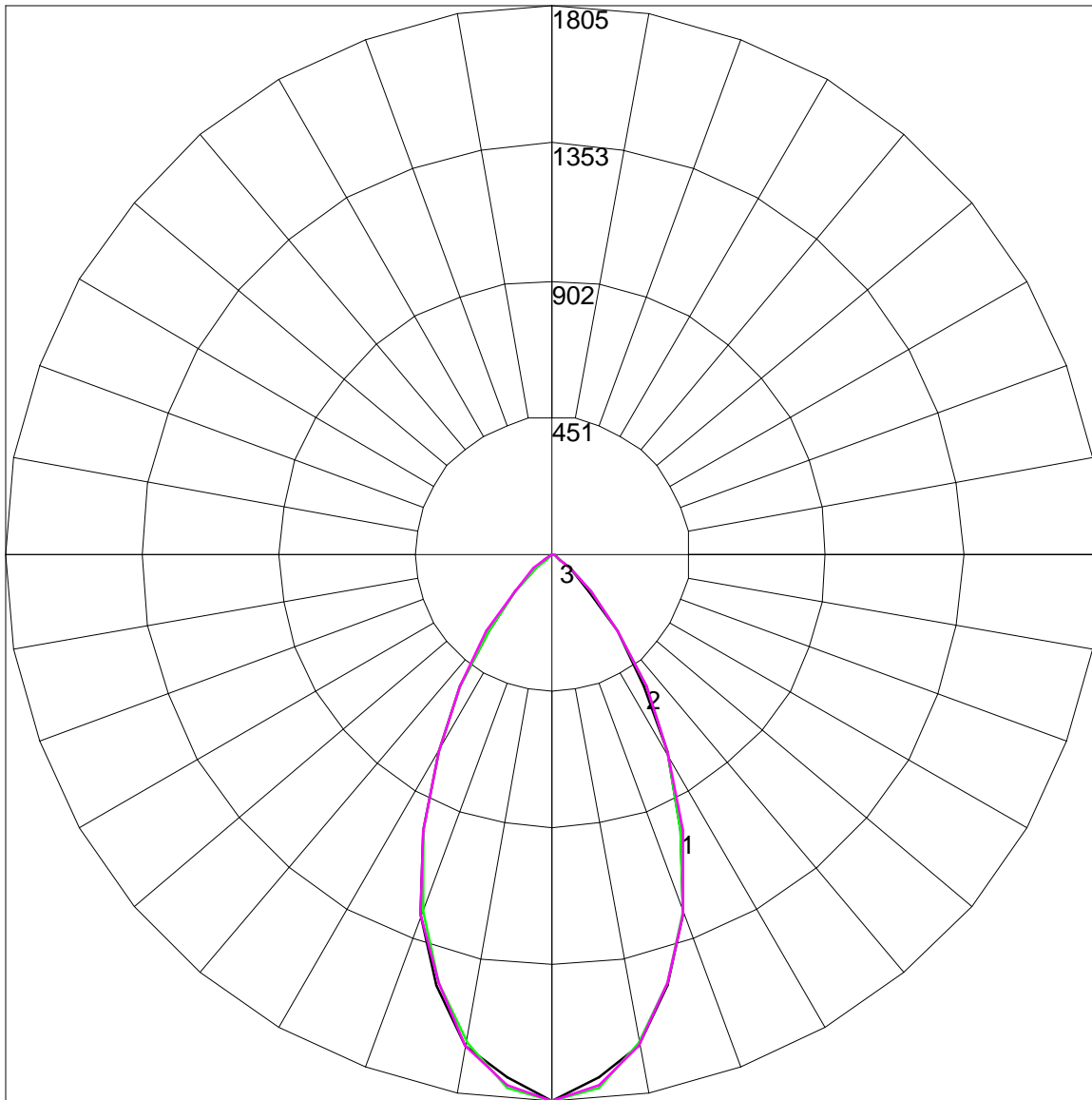
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1804.665 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)