

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGE6LEDGV-15L35KE1-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-15L

[MANUFAC] Spectrum Lighting

[LUMCAT] SGE6LEDGV-15L-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	856
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	13.3
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	7378	7437	7579
55	1706	1653	1574
65	86	89	87
75	47	54	45
85	43	40	50

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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	997.980	997.980	997.980	997.980	997.980
5	959.143	963.074	970.913	979.084	977.956
10	909.350	903.646	908.889	910.326	905.728
15	813.095	813.933	811.176	811.527	808.162
20	699.360	699.821	699.633	691.540	694.289
25	556.935	555.795	558.013	556.805	556.478
30	416.719	415.234	418.474	416.450	419.052
35	293.303	294.218	294.804	295.335	295.650
40	184.636	183.297	186.383	183.441	183.748
45	95.257	95.699	96.015	97.463	97.856
50	42.675	42.338	42.949	42.578	42.642
55	17.865	17.621	17.309	17.458	16.488
60	3.254	3.351	3.147	3.246	3.086
65	0.664	0.644	0.683	0.647	0.669
70	0.517	0.453	0.442	0.420	0.426
75	0.224	0.315	0.254	0.260	0.213
80	0.124	0.180	0.177	0.152	0.188
85	0.069	0.061	0.064	0.061	0.080
90	0.011	0.017	0.011	0.006	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	317.05	N.A.	37.00
0-30	571.79	N.A.	66.80
0-40	756.52	N.A.	88.40
0-60	854.42	N.A.	99.80
0-80	855.95	N.A.	100.00
0-90	856.03	N.A.	100.00
10-90	765.32	N.A.	89.40
20-40	439.47	N.A.	51.30
20-50	519.55	N.A.	60.70
40-70	99.13	N.A.	11.60
60-80	1.53	N.A.	0.20
70-80	0.30	N.A.	0.00
80-90	0.08	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	856.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	90.71
10-20	226.34
20-30	254.74
30-40	184.73
40-50	80.09
50-60	17.82
60-70	1.23
70-80	0.30
80-90	0.08
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

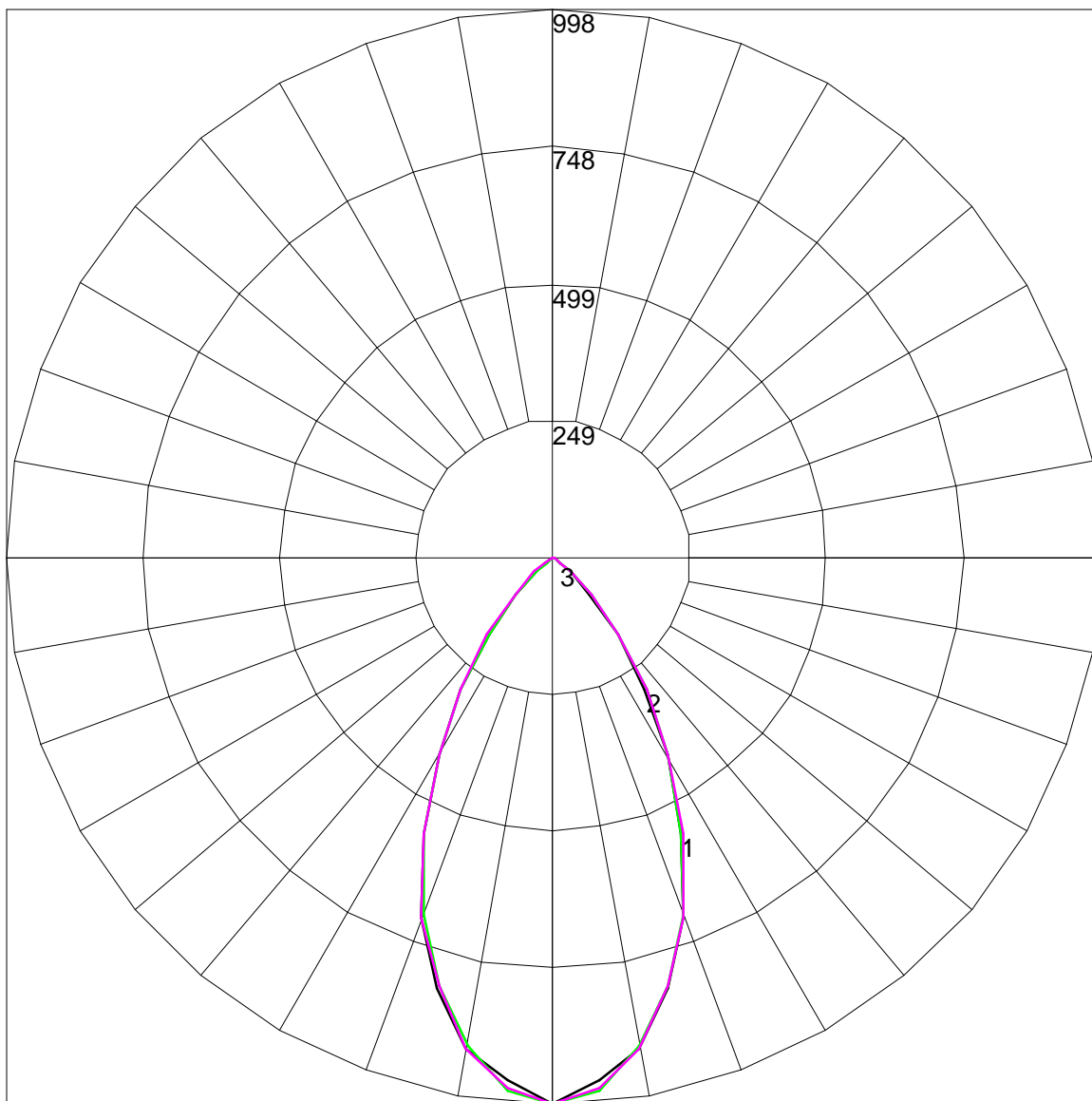
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	72	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 = 997.98 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)