

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGE6LEDGV-60L35KE1-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] Wed Aug 10 2016

[TEST] SP-00422_9_M-60L

[MANUFAC] Spectrum Lighting

[LUMCAT] SGE6LEDGV-60L-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	3354
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	48.6
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	28907	29137	29695
55	6683	6475	6168
65	337	347	340
75	186	211	176
85	170	156	197

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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	3909.987	3909.987	3909.987	3909.987	3909.987
5	3757.827	3773.231	3803.943	3835.954	3831.535
10	3562.746	3540.398	3560.937	3566.570	3548.555
15	3185.628	3188.910	3178.110	3179.485	3166.302
20	2740.023	2741.832	2741.096	2709.387	2720.155
25	2182.015	2177.552	2186.240	2181.506	2180.228
30	1632.663	1626.846	1639.542	1631.612	1641.806
35	1149.132	1152.718	1155.014	1157.094	1158.329
40	723.384	718.141	730.231	718.705	719.907
45	373.208	374.941	376.176	381.852	383.391
50	167.197	165.875	168.269	166.817	167.067
55	69.992	69.039	67.815	68.400	64.597
60	12.750	13.130	12.328	12.718	12.090
65	2.600	2.524	2.676	2.535	2.622
70	2.026	1.777	1.733	1.647	1.668
75	0.877	1.235	0.997	1.018	0.834
80	0.487	0.704	0.693	0.596	0.737
85	0.271	0.238	0.249	0.238	0.314
90	0.043	0.065	0.043	0.022	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1242.18	N.A.	37.00
0-30	2240.22	N.A.	66.80
0-40	2963.97	N.A.	88.40
0-60	3347.55	N.A.	99.80
0-80	3353.52	N.A.	100.00
0-90	3353.85	N.A.	100.00
10-90	2998.44	N.A.	89.40
20-40	1721.8	N.A.	51.30
20-50	2035.56	N.A.	60.70
40-70	388.37	N.A.	11.60
60-80	5.98	N.A.	0.20
70-80	1.17	N.A.	0.00
80-90	0.33	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	3353.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	355.41
10-20	886.77
20-30	998.04
30-40	723.75
40-50	313.77
50-60	69.81
60-70	4.80
70-80	1.17
80-90	0.33
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

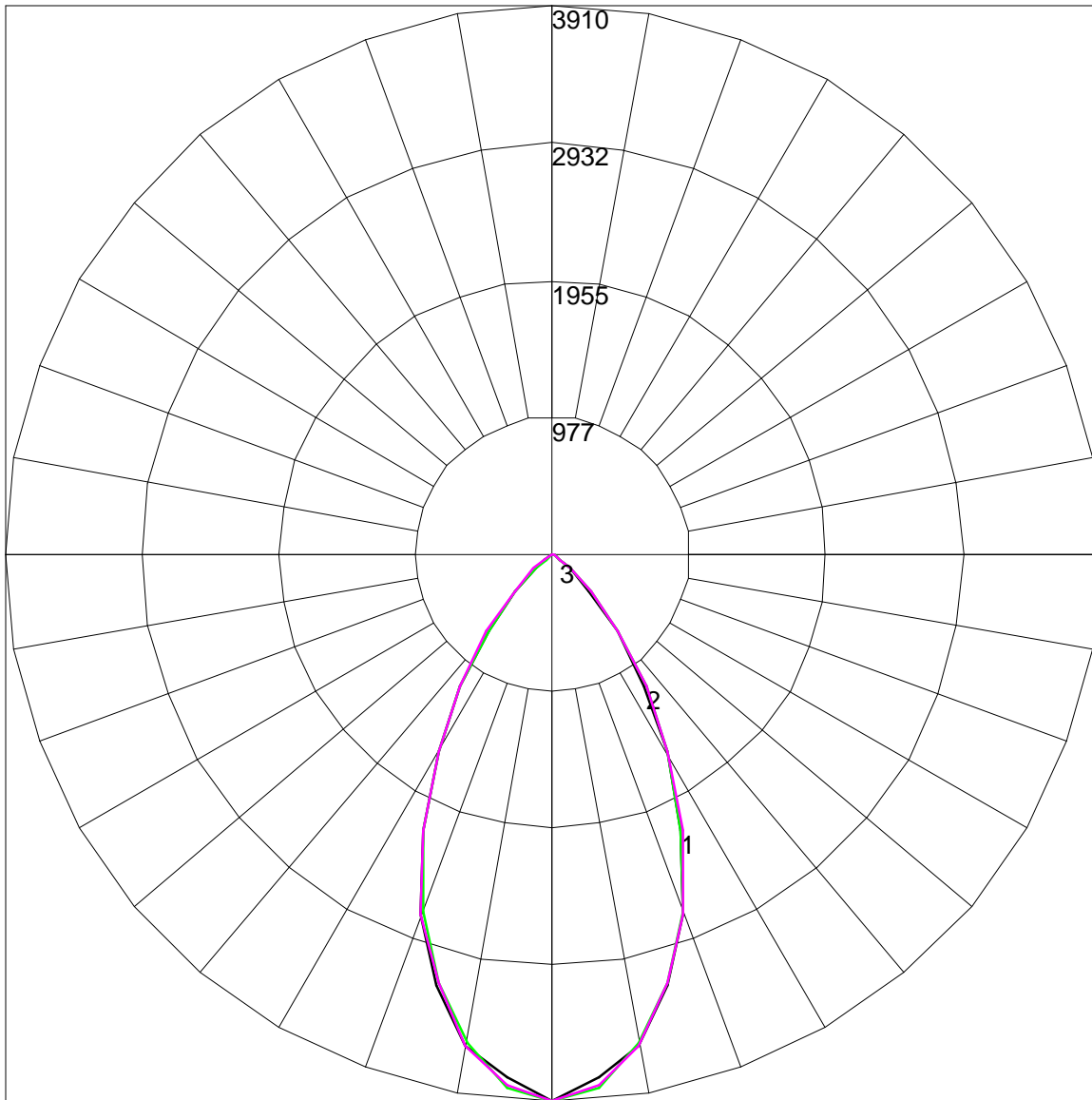
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	98	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 = 3909.987 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)