

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGE6LEDGV-37L35KE1-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_M-37L

[MANUFAC] Spectrum Lighting

[LUMCAT] SGE6LEDGV-37L-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	2094
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	29.1
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	18052	18195	18544
55	4174	4044	3852
65	210	217	212
75	116	132	110
85	106	98	123

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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	2441.712	2441.712	2441.712	2441.712	2441.712
5	2346.691	2356.310	2375.489	2395.480	2392.720
10	2224.867	2210.910	2223.737	2227.255	2216.004
15	1989.363	1991.413	1984.668	1985.528	1977.295
20	1711.092	1712.222	1711.762	1691.960	1698.685
25	1362.627	1359.839	1365.265	1362.309	1361.510
30	1019.567	1015.934	1023.862	1018.911	1025.276
35	717.611	719.850	721.284	722.583	723.354
40	451.740	448.465	456.015	448.817	449.568
45	233.061	234.143	234.915	238.459	239.420
50	104.411	103.586	105.081	104.174	104.330
55	43.709	43.113	42.349	42.714	40.340
60	7.962	8.199	7.699	7.942	7.550
65	1.624	1.576	1.671	1.583	1.637
70	1.265	1.109	1.082	1.028	1.042
75	0.548	0.771	0.622	0.636	0.521
80	0.304	0.440	0.433	0.372	0.460
85	0.169	0.149	0.156	0.149	0.196
90	0.027	0.041	0.027	0.014	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	775.72	N.A.	37.00
0-30	1398.98	N.A.	66.80
0-40	1850.95	N.A.	88.40
0-60	2090.48	N.A.	99.80
0-80	2094.21	N.A.	100.00
0-90	2094.41	N.A.	100.00
10-90	1872.47	N.A.	89.40
20-40	1075.23	N.A.	51.30
20-50	1271.17	N.A.	60.70
40-70	242.53	N.A.	11.60
60-80	3.73	N.A.	0.20
70-80	0.73	N.A.	0.00
80-90	0.20	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	2094.41	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	221.94
10-20	553.77
20-30	623.26
30-40	451.97
40-50	195.94
50-60	43.59
60-70	3.00
70-80	0.73
80-90	0.20
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

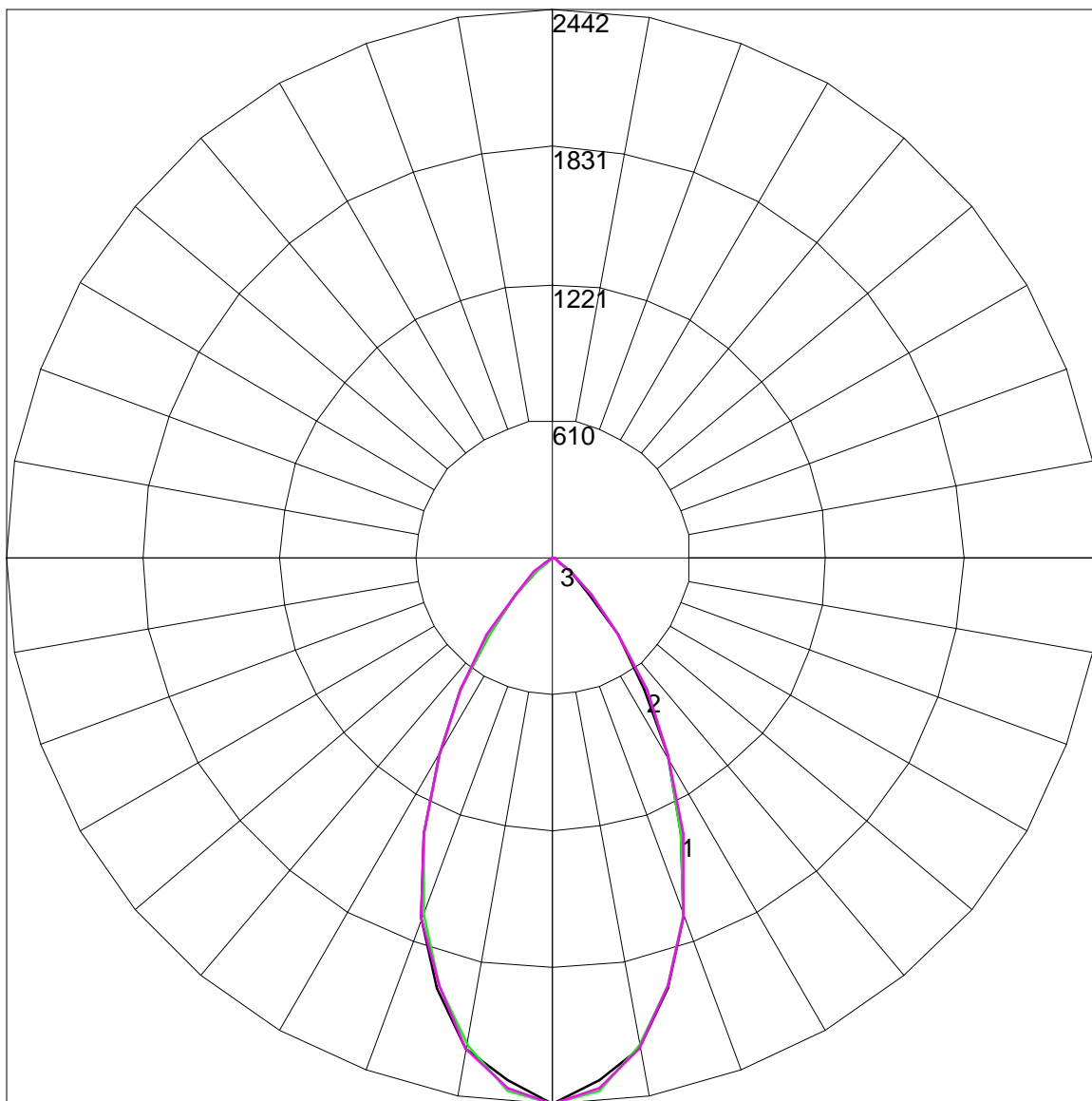
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	66	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	69	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	74	65	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 = 2441.712 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)