

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGE5LEDGV-37L35KE1-AR5222GVSGSO.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-00522_1_M-37L

[MANUFAC] Spectrum Lighting

[LUMCAT] SGE5LEDGV-37L-35K-E1-AR5222GV-SG-SO

[LUMINAIRE] 5" 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	1830
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	29.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.96
Spacing Criterion (90-270)	0.96
Spacing Criterion (Diagonal)	0.96
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.41 ft (Diameter)
Luminous Width (90-270)	0.41 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	29177	29507	29523
55	10758	10724	10982
65	718	679	750
75	148	144	116
85	88	88	82

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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	1657.479	1657.479	1657.479	1657.479	1657.479
5	1683.721	1669.122	1654.367	1662.039	1672.369
10	1648.698	1641.663	1644.301	1657.499	1665.787
15	1573.011	1569.081	1552.534	1555.321	1546.012
20	1369.277	1372.395	1382.495	1382.232	1385.885
25	1145.619	1140.390	1140.261	1158.012	1156.984
30	901.998	918.349	916.055	906.409	912.017
35	679.267	679.862	675.566	674.389	681.811
40	446.199	446.057	446.612	447.782	444.914
45	254.939	255.927	257.821	255.352	257.956
50	138.202	135.625	139.433	137.519	137.945
55	76.248	75.667	76.005	77.980	77.838
60	32.540	32.398	31.647	32.404	32.743
65	3.748	3.721	3.545	3.518	3.917
70	0.663	0.629	0.731	0.778	0.663
75	0.474	0.413	0.460	0.494	0.372
80	0.291	0.223	0.244	0.244	0.189
85	0.095	0.101	0.095	0.074	0.088
90	0.000	0.014	0.000	0.020	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	590.84	N.A.	32.30
0-30	1116.42	N.A.	61.00
0-40	1538.03	N.A.	84.00
0-60	1819.59	N.A.	99.40
0-80	1829.91	N.A.	100.00
0-90	1830.03	N.A.	100.00
10-90	1671.67	N.A.	91.30
20-40	947.19	N.A.	51.80
20-50	1156.96	N.A.	63.20
40-70	291.39	N.A.	15.90
60-80	10.32	N.A.	0.60
70-80	0.48	N.A.	0.00
80-90	0.12	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	1830.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	158.36
10-20	432.49
20-30	525.57
30-40	421.62
40-50	209.77
50-60	71.79
60-70	9.84
70-80	0.48
80-90	0.12
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

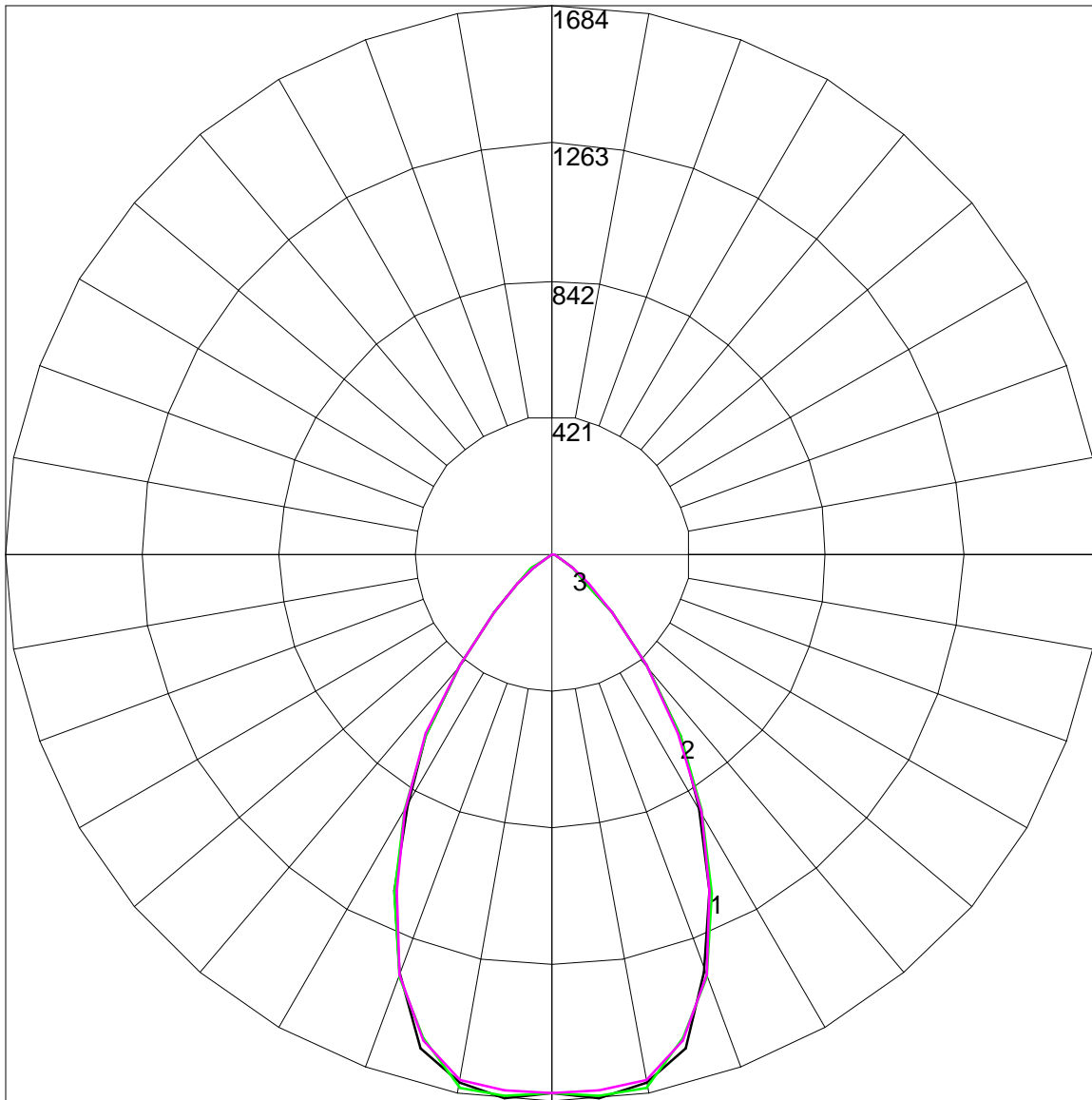
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

POLAR GRAPH



Maximum Candela = 1683.721 Located At Horizontal Angle = 0, 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)