

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SGE8LEDGV-37L35KE1-AR8222GVSG.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Mon May 09 2016

[UPDATE] Wed Aug 10 2016

[TEST] SP-00307_46_M-37L

[MANUFAC] Spectrum Lighting

[LUMCAT] SGE8LEDGV-37L-35K-E1-AR8222GV-SG

[LUMINAIRE] 8" aperture, downlight

[TRIM]Semi-diffuse anodized cone, open aperture

[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	2243
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	29.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.14
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.62 ft (Diameter)
Luminous Width (90-270)	0.62 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	22927	22818	23146
55	5174	5258	5335
65	975	973	1045
75	52	51	15
85	44	39	30

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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	1562.329	1562.329	1562.329	1562.329	1562.329
5	1586.480	1607.452	1595.620	1573.519	1560.713
10	1585.939	1566.402	1559.238	1561.254	1584.241
15	1488.314	1504.238	1514.920	1504.868	1519.128
20	1435.932	1430.486	1440.830	1441.094	1440.025
25	1329.410	1324.668	1315.650	1320.420	1313.114
30	1165.900	1185.039	1172.300	1185.553	1161.929
35	984.571	977.813	982.988	975.297	976.399
40	730.458	746.450	743.866	747.722	736.999
45	453.661	457.043	451.516	457.023	457.997
50	183.967	189.346	191.321	188.378	189.907
55	83.047	83.216	84.393	84.583	85.631
60	42.153	42.897	41.950	42.342	43.289
65	11.534	12.887	11.507	12.299	12.353
70	0.453	0.359	0.501	0.541	0.372
75	0.379	0.331	0.372	0.244	0.108
80	0.216	0.183	0.264	0.142	0.149
85	0.108	0.081	0.095	0.034	0.074
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	575.61	N.A.	25.70
0-30	1180.91	N.A.	52.60
0-40	1785.69	N.A.	79.60
0-60	2226.42	N.A.	99.20
0-80	2243.22	N.A.	100.00
0-90	2243.31	N.A.	100.00
10-90	2092.77	N.A.	93.30
20-40	1210.08	N.A.	53.90
20-50	1562.15	N.A.	69.60
40-70	457.20	N.A.	20.40
60-80	16.80	N.A.	0.70
70-80	0.33	N.A.	0.00
80-90	0.09	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	2243.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	150.54
10-20	425.07
20-30	605.30
30-40	604.78
40-50	352.07
50-60	88.65
60-70	16.48
70-80	0.33
80-90	0.09
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

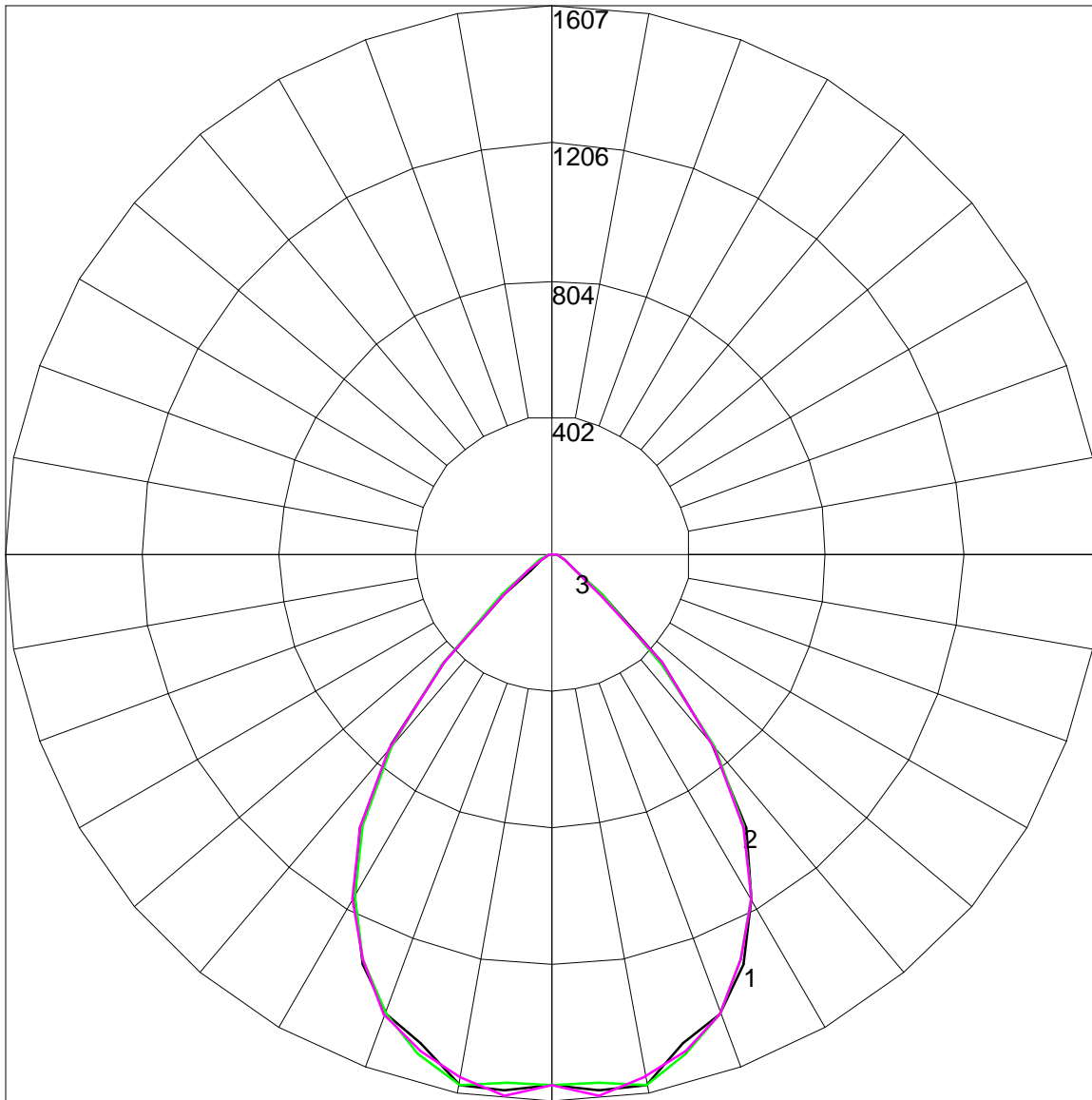
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	110	108	105	103	103	101	100	100	98	97	96	95	94	92
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	87	85	84
3	100	92	87	82	98	91	86	82	88	84	80	86	82	79	83	80	78	76
4	94	85	79	74	92	84	78	73	82	77	73	80	75	72	78	74	71	69
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63
6	83	72	66	61	81	72	65	60	70	64	60	68	63	60	67	63	59	58
7	78	67	60	55	76	66	60	55	65	59	55	64	59	55	63	58	54	53
8	73	62	56	51	72	62	55	51	61	55	50	59	54	50	58	54	50	48
9	69	58	51	47	68	58	51	47	57	51	47	56	50	46	55	50	46	45
10	65	54	48	43	64	54	47	43	53	47	43	52	47	43	51	46	43	41

POLAR GRAPH



Maximum Candela = 1607.452 Located At Horizontal Angle = 22.5, 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)