

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGE8LEDGV-37L35KE1-AR8222GVSGSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Thu Aug 11 2016

[UPDATE] Fri Aug 12 2016

[TEST] SP-00307_52_M-37L

[MANUFAC] Spectrum Lighting

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

[LUMINAIRE] 8" 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	2054
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	29.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	1.12
Spacing Criterion (Diagonal)	1.12
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	19860	20341	19961
55	5579	5567	5834
65	1005	1007	1014
75	15	34	24
85	33	36	28

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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	1432.293	1432.293	1432.293	1432.293	1432.293
5	1423.025	1390.566	1445.796	1414.183	1409.779
10	1449.841	1444.084	1460.827	1440.593	1442.724
15	1393.448	1444.436	1408.033	1408.270	1440.999
20	1351.965	1345.437	1346.614	1358.020	1329.052
25	1215.319	1212.802	1210.157	1210.529	1195.044
30	1054.204	1056.767	1057.694	1061.124	1055.949
35	885.944	864.445	869.526	871.203	860.319
40	639.590	649.393	653.222	651.037	662.835
45	392.979	404.324	402.504	406.245	394.981
50	193.060	195.786	195.292	193.235	195.975
55	89.542	92.478	89.359	90.732	93.648
60	44.027	45.468	43.573	45.062	46.760
65	11.886	11.710	11.913	12.738	11.994
70	0.331	0.365	0.399	0.379	0.230
75	0.108	0.345	0.244	0.237	0.176
80	0.257	0.237	0.074	0.156	0.264
85	0.081	0.047	0.088	0.054	0.068
90	0.000	0.000	0.000	0.000	0.041

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	534.68	N.A.	26.00
0-30	1089.83	N.A.	53.10
0-40	1627.36	N.A.	79.20
0-60	2036.4	N.A.	99.20
0-80	2053.67	N.A.	100.00
0-90	2053.75	N.A.	100.00
10-90	1917.22	N.A.	93.40
20-40	1092.68	N.A.	53.20
20-50	1408.17	N.A.	68.60
40-70	426.03	N.A.	20.70
60-80	17.26	N.A.	0.80
70-80	0.27	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	2053.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	136.54
10-20	398.15
20-30	555.15
30-40	537.53
40-50	315.49
50-60	93.55
60-70	16.99
70-80	0.27
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

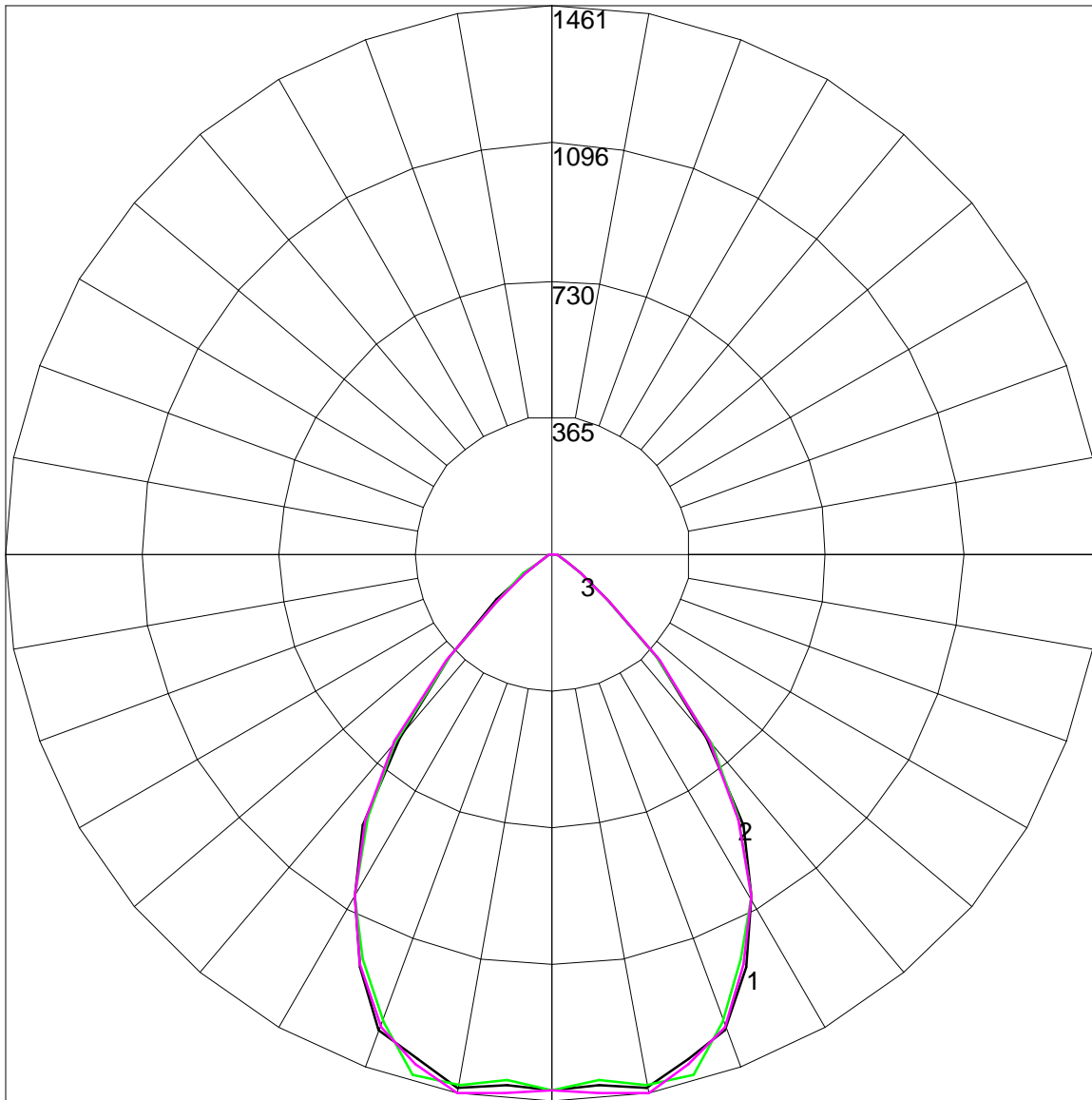
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	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	81	88	84	80	86	82	79	83	80	78	76
4	94	85	79	74	92	84	78	73	82	76	72	79	75	72	77	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	59	67	63	59	57
7	78	67	60	55	76	66	60	55	65	59	55	64	58	55	62	58	54	53
8	73	62	55	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	48	43	53	47	43	52	47	43	51	46	43	41

POLAR GRAPH



Maximum Candela = 1460.827 Located At Horizontal Angle = 45, Vertical Angle = 10

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 2 - Vertical Plane Through Horizontal Angles (90 - 270)
- # 3 - Vertical Plane Through Horizontal Angles (45 - 225)