

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SGE8LEDGV-27L35KE1-AR8222GVSGSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Thu Aug 11 2016

[UPDATE] Fri Aug 12 2016

[TEST] SP-00307_52_M-27L

[MANUFAC] Spectrum Lighting

[LUMCAT] SGE8LEDGV-27L-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	1518
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	22.3
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	14678	15034	14753
55	4123	4115	4312
65	743	745	750
75	11	25	18
85	25	27	21

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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	1058.605	1058.605	1058.605	1058.605	1058.605
5	1051.755	1027.765	1068.585	1045.220	1041.965
10	1071.575	1067.320	1079.695	1064.740	1066.315
15	1029.895	1067.580	1040.675	1040.850	1065.040
20	999.235	994.410	995.280	1003.710	982.300
25	898.240	896.380	894.425	894.700	883.255
30	779.160	781.055	781.740	784.275	780.450
35	654.800	638.910	642.665	643.905	635.860
40	472.720	479.965	482.795	481.180	489.900
45	290.450	298.835	297.490	300.255	291.930
50	142.690	144.705	144.340	142.820	144.845
55	66.180	68.350	66.045	67.060	69.215
60	32.540	33.605	32.205	33.305	34.560
65	8.785	8.655	8.805	9.415	8.865
70	0.245	0.270	0.295	0.280	0.170
75	0.080	0.255	0.180	0.175	0.130
80	0.190	0.175	0.055	0.115	0.195
85	0.060	0.035	0.065	0.040	0.050
90	0.000	0.000	0.000	0.000	0.030

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	395.18	N.A.	26.00
0-30	805.49	N.A.	53.10
0-40	1202.78	N.A.	79.20
0-60	1505.1	N.A.	99.20
0-80	1517.86	N.A.	100.00
0-90	1517.93	N.A.	100.00
10-90	1417.01	N.A.	93.40
20-40	807.60	N.A.	53.20
20-50	1040.78	N.A.	68.60
40-70	314.88	N.A.	20.70
60-80	12.76	N.A.	0.80
70-80	0.20	N.A.	0.00
80-90	0.06	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	1517.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	100.92
10-20	294.27
20-30	410.31
30-40	397.29
40-50	233.18
50-60	69.14
60-70	12.56
70-80	0.20
80-90	0.06
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

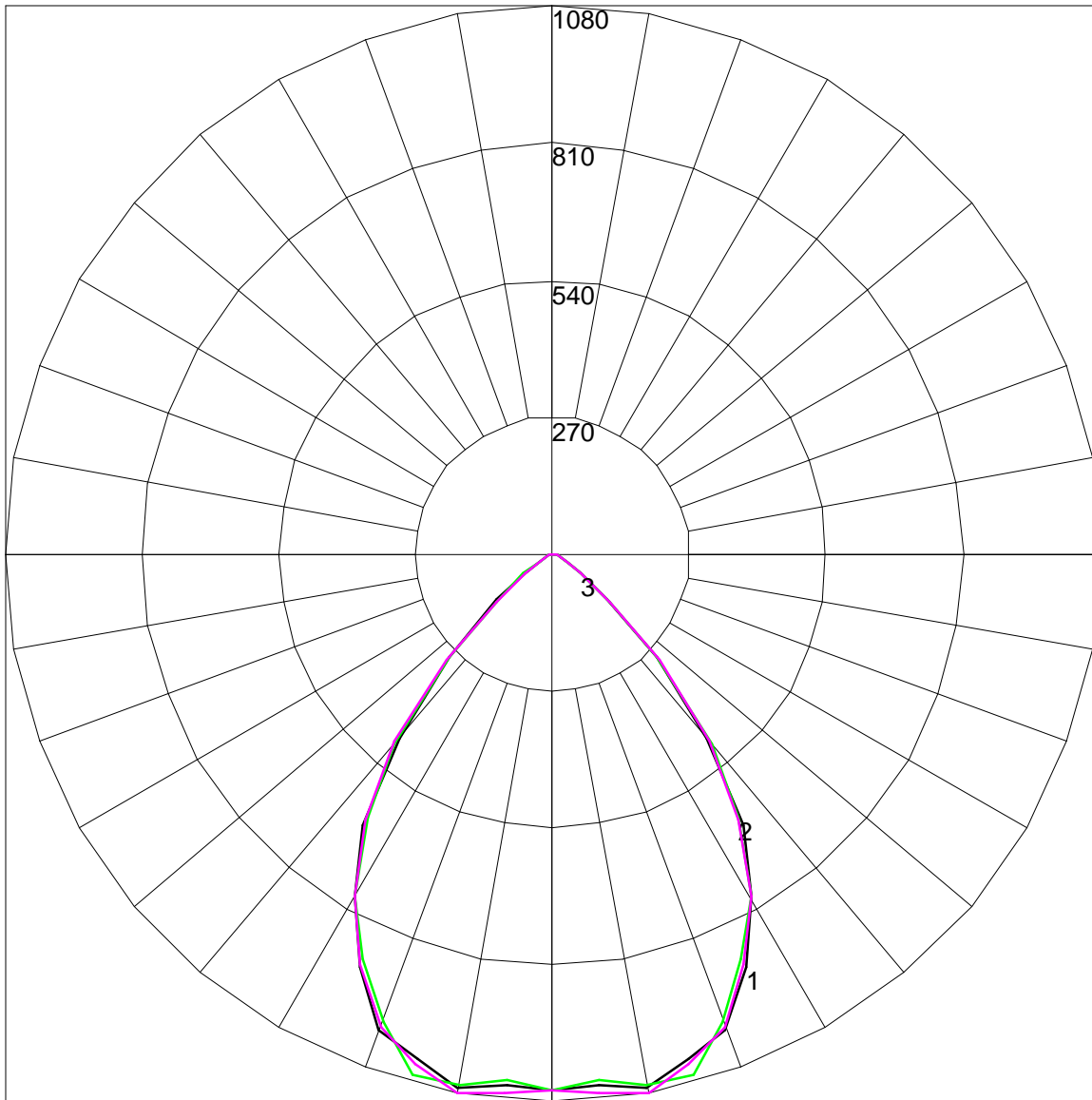
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1079.695 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)