

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGV8LEDGV-27L35KE1-AR8710GVSGSO.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] Mon Jul 25 2016

[TEST] SP-00396_35_M-27L-35K

[MANUFAC] Spectrum Lighting

[LUMCAT] SGV8LEDGV-27L-35K-E1-AR8710GV-SG-SO

[LUMINAIRE] 8" Diam. LED downlight, semi-diffuse clear anodized cone

[OTHER] Fully Regressed Solite Lens, beneath emitter

[LAMP] N/A

[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 generated by Spectrum Lighting, scaled from 55L-40K

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1933
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	22.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.08
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.63 ft (Diameter)
Luminous Width (90-270)	0.63 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	14632	14728	14896
55	4051	3963	4081
65	1365	1405	1324
75	852	721	786
85	584	584	584

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGV8LEDGV-27L35KE1-AR8710GVSGSO.IES

CANDELA TABULATION

	<u>0</u>	<u>45</u>	<u>90</u>
0	1326.854	1326.854	1326.854
5	1345.726	1330.241	1320.563
10	1394.600	1396.535	1384.438
15	1424.602	1427.021	1419.763
20	1421.698	1413.956	1432.344
25	1301.691	1311.369	1300.723
30	1059.257	1055.870	1068.935
35	782.950	769.885	771.337
40	508.579	511.482	505.676
45	295.179	297.115	300.502
50	142.267	141.783	139.847
55	66.294	64.843	66.778
60	32.421	32.421	31.454
65	16.453	16.937	15.969
70	9.678	9.678	9.194
75	6.291	5.323	5.807
80	3.387	3.871	3.387
85	1.452	1.452	1.452
90	0.000	0.484	0.484

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGV8LEDGV-27L35KE1-AR8710GVSGSO.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	530.87	N.A.	27.50
0-30	1116.31	N.A.	57.80
0-40	1600.34	N.A.	82.80
0-60	1906.06	N.A.	98.60
0-80	1931.00	N.A.	99.90
0-90	1932.88	N.A.	100.00
10-90	1803.63	N.A.	93.30
20-40	1069.47	N.A.	55.30
20-50	1307.53	N.A.	67.60
40-70	324.19	N.A.	16.80
60-80	24.95	N.A.	1.30
70-80	6.48	N.A.	0.30
80-90	1.88	N.A.	0.10
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	1932.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	129.25
10-20	401.62
20-30	585.44
30-40	484.02
40-50	238.07
50-60	67.65
60-70	18.47
70-80	6.48
80-90	1.88
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

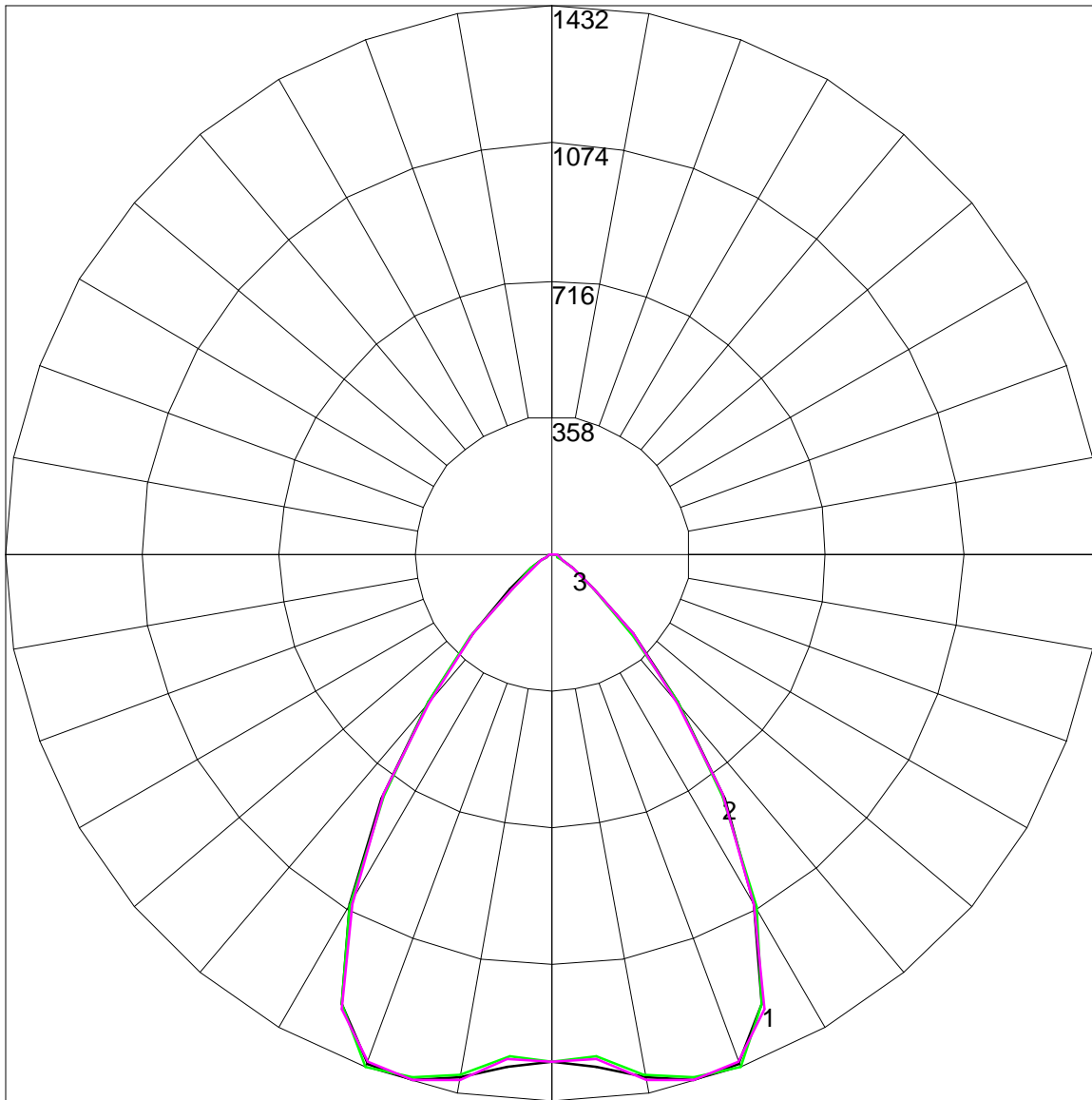
IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGV8LEDGV-27L35KE1-AR8710GVSGSO.IES

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	110	108	105	103	103	101	100	100	98	97	96	95	94	92
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84
3	100	93	87	83	98	92	86	82	89	84	81	86	83	80	84	81	78	77
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64
6	83	74	67	62	82	73	66	62	71	66	61	70	65	61	68	64	60	59
7	79	68	62	57	77	68	61	57	66	61	56	65	60	56	64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43

POLAR GRAPH



Maximum Candela = 1432.344 Located At Horizontal Angle = 90, Vertical Angle = 20

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (90 - 270)

3 - Vertical Plane Through Horizontal Angles (45 - 225)