

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGV8LEDGV-15L35KE1-AR8710GVXBSG.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

 [TESTLAB] Photopia 2015.1.0 see: www.ltioptics.com/ies

[ISSUEDATE]

[TESTDATE] Fri Jan 22 2016

[UPDATE] Mon Jan 25 2016

[TEST] SP-00396_25_M-15L

[MANUFAC] Spectrum Lighting

[LUMCAT] SGV8LEDGV-15L-35K-E1-AR8710GV-XB-SG

[LUMINAIRE] 8" open aperture, cross-blade downlight

[TRIM] Semi-diffuse anodized cross-blade reflector assembly

[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 37L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	946
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	13.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.66
Spacing Criterion (90-270)	1.66
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.12 ft (Diameter)
Luminous Width (90-270)	1.12 ft (Diameter)
Luminous Height	0.73 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1665	1489	1695
55	304	302	300
65	52	58	52
75	16	16	18
85	3	4	5

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : SGV8LEDGV-15L35KE1-AR8710GVXBSG.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0	313.833	313.833	313.833	313.833	313.833	313.833	313.833	313.833	313.833
5	328.145	324.847	332.412	332.175	323.625	324.798	329.151	319.967	321.259
10	389.368	393.889	391.878	387.672	388.016	391.187	391.935	387.591	394.085
15	486.132	522.633	534.698	523.524	490.849	519.699	531.126	521.342	489.835
20	601.860	626.398	638.426	628.491	606.000	633.232	651.480	633.236	619.581
25	689.559	653.716	652.481	655.301	692.489	663.835	651.987	664.227	690.294
30	633.550	572.335	547.977	576.120	636.898	578.825	553.216	571.972	631.797
35	488.854	453.293	414.606	449.247	491.405	452.063	414.168	451.859	496.109
40	321.197	307.306	275.840	302.344	322.808	305.810	277.671	305.299	325.995
45	196.176	184.651	175.471	184.062	199.728	184.410	173.281	186.523	197.623
50	93.780	87.907	87.654	87.315	95.431	88.659	89.052	88.667	95.080
55	34.735	33.669	34.457	33.391	34.290	32.737	35.586	33.861	33.505
60	10.970	12.138	13.377	11.734	11.591	11.771	13.270	12.670	11.493
65	5.558	6.200	6.225	5.889	5.517	5.828	6.163	5.828	5.869
70	2.894	2.947	2.796	2.943	3.282	3.327	3.016	3.090	3.057
75	1.561	1.696	1.573	1.643	1.696	1.704	1.459	1.598	1.696
80	0.997	0.871	0.797	0.797	0.871	0.813	0.687	0.830	0.899
85	0.278	0.405	0.307	0.282	0.380	0.343	0.266	0.335	0.339
90	0.057	0.025	0.025	0.000	0.012	0.020	0.025	0.008	0.012

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGV8LEDGV-15L35KE1-AR8710GVXBSG.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	181.47	N.A.	19.20
0-30	475.27	N.A.	50.20
0-40	753.82	N.A.	79.60
0-60	937.51	N.A.	99.10
0-80	946.07	N.A.	100.00
0-90	946.48	N.A.	100.00
10-90	913.18	N.A.	96.50
20-40	572.35	N.A.	60.50
20-50	718.42	N.A.	75.90
40-70	190.38	N.A.	20.10
60-80	8.56	N.A.	0.90
70-80	1.88	N.A.	0.20
80-90	0.41	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	946.48	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	33.30
10-20	148.16
20-30	293.81
30-40	278.54
40-50	146.07
50-60	37.63
60-70	6.68
70-80	1.88
80-90	0.41
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

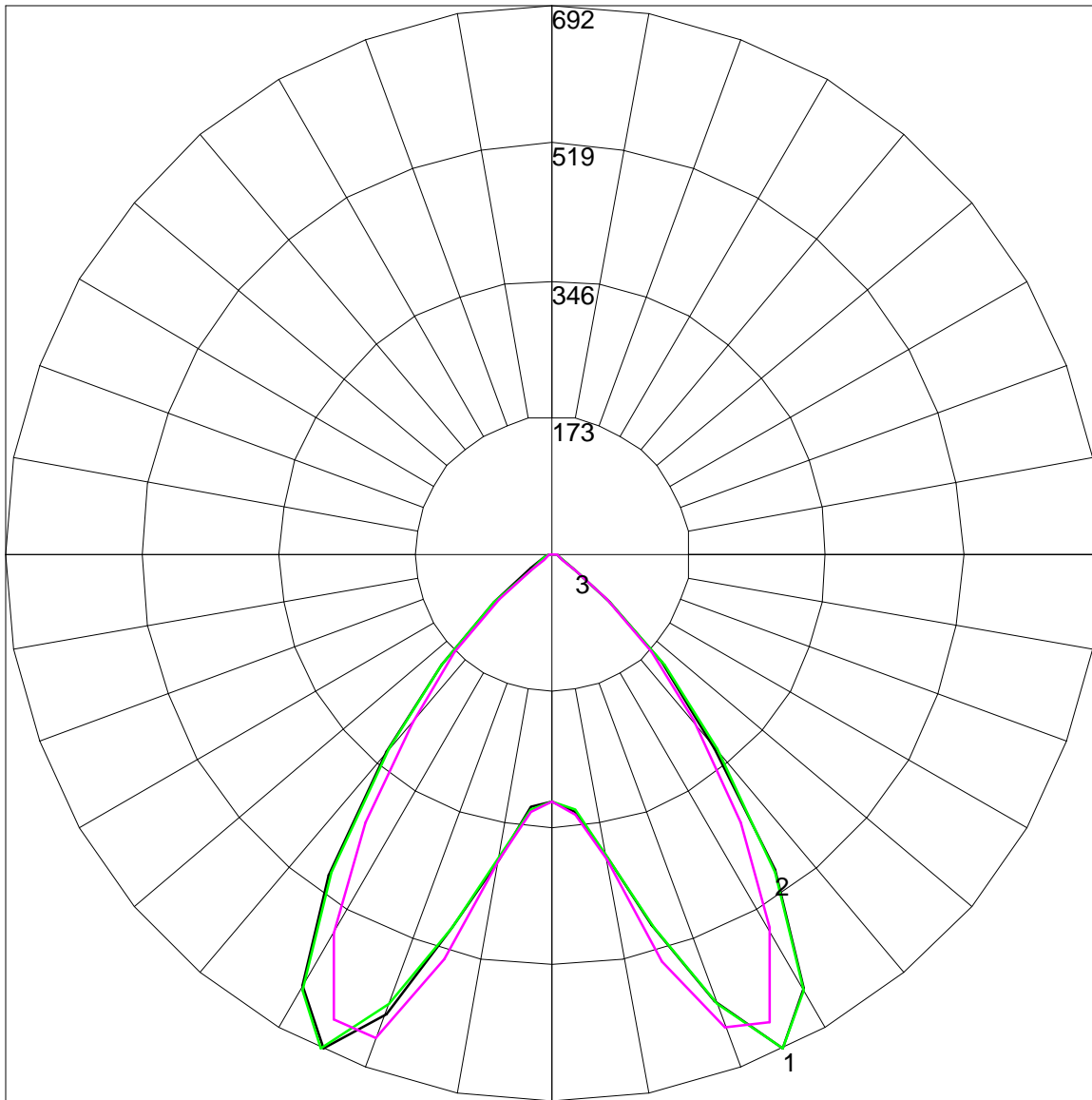
IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGV8LEDGV-15L35KE1-AR8710GVXBSG.IES

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	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	72	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55
7	76	65	58	53	75	64	58	53	63	57	53	62	56	52	61	56	52	50
8	71	60	53	48	70	60	53	48	58	52	48	57	52	48	56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	43	42
10	63	52	45	40	62	51	45	40	50	44	40	50	44	40	49	44	40	38

POLAR GRAPH



Maximum Candela = 692.489 Located At Horizontal Angle = 90, Vertical Angle = 25

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

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

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