

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGV8LEDGV-55L35KE1-AR8710GVSGSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Mon May 09 2016

[UPDATE] Mon Jul 25 2016

[TEST] SP-00396_35_M-35K

[MANUFAC] Spectrum Lighting

[LUMCAT] SGV8LEDGV-55L-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	3866
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	42.6
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	29265	29457	29792
55	8103	7925	8162
65	2729	2809	2649
75	1704	1442	1573
85	1168	1168	1168

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CANDELA TABULATION

	<u>0</u>	<u>45</u>	<u>90</u>
0	2653.708	2653.708	2653.708
5	2691.452	2660.482	2641.126
10	2789.200	2793.071	2768.876
15	2849.203	2854.042	2839.525
20	2843.396	2827.912	2864.688
25	2603.382	2622.738	2601.446
30	2118.514	2111.740	2137.870
35	1565.900	1539.770	1542.673
40	1017.158	1022.965	1011.351
45	590.358	594.229	601.004
50	284.533	283.565	279.694
55	132.589	129.685	133.556
60	64.843	64.843	62.907
65	32.905	33.873	31.937
70	19.356	19.356	18.388
75	12.581	10.646	11.614
80	6.775	7.742	6.775
85	2.903	2.903	2.903
90	0.000	0.968	0.968

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1061.74	N.A.	27.50
0-30	2232.62	N.A.	57.80
0-40	3200.67	N.A.	82.80
0-60	3812.12	N.A.	98.60
0-80	3862.01	N.A.	99.90
0-90	3865.76	N.A.	100.00
10-90	3607.25	N.A.	93.30
20-40	2138.93	N.A.	55.30
20-50	2615.07	N.A.	67.60
40-70	648.38	N.A.	16.80
60-80	49.89	N.A.	1.30
70-80	12.95	N.A.	0.30
80-90	3.75	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	3865.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	258.51
10-20	803.23
20-30	1170.88
30-40	968.05
40-50	476.14
50-60	135.31
60-70	36.94
70-80	12.95
80-90	3.75
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

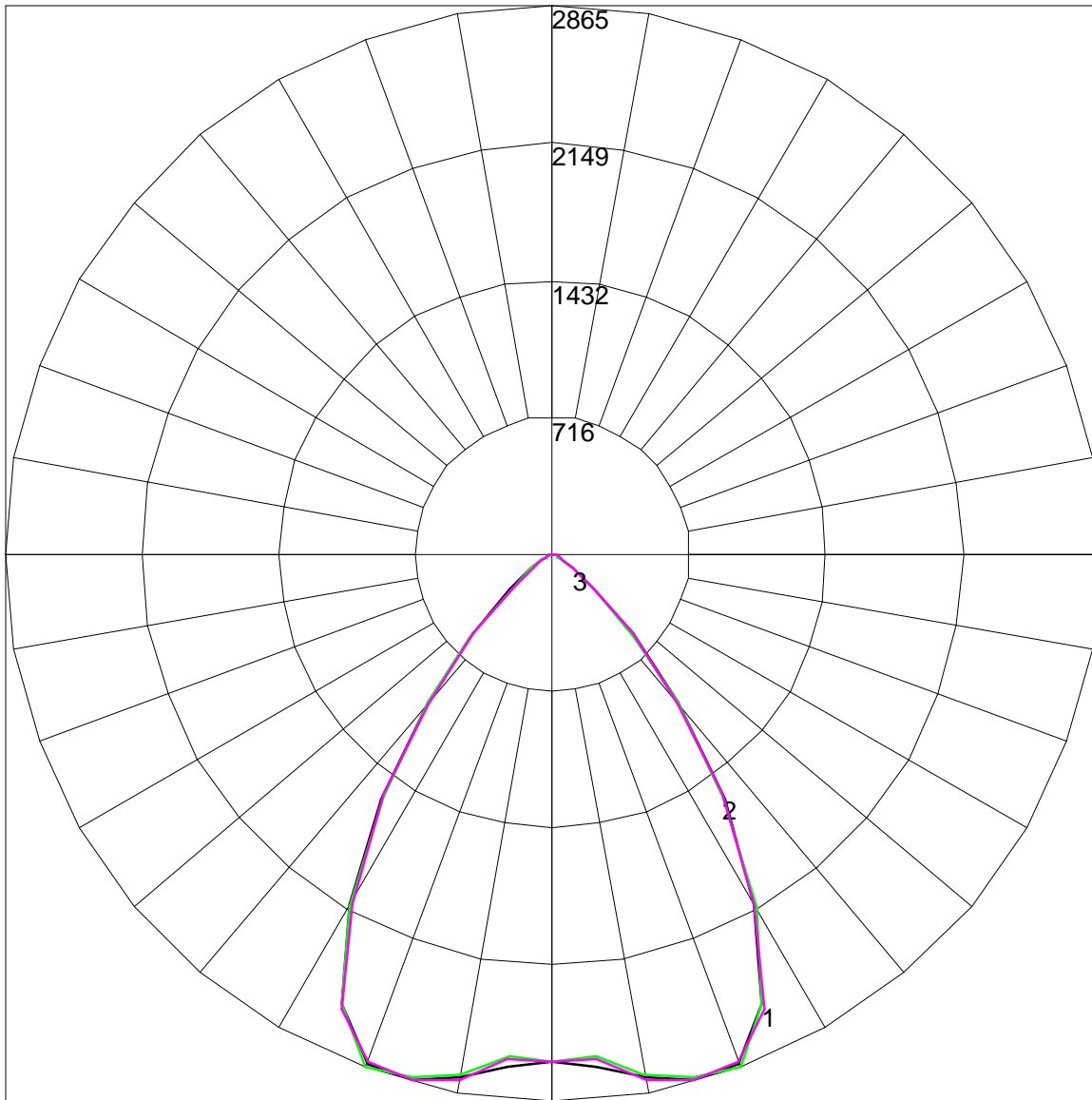
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 2864.688 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)