

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGE8LEDGV-15L35KE1-AR8222GVSG.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Mon May 09 2016

[UPDATE] Wed Aug 10 2016

[TEST] SP-00307_46_M-15L

[MANUFAC] Spectrum Lighting

[LUMCAT] SGE8LEDGV-15L-35K-E1-AR8222GV-SG

[LUMINAIRE] 8" aperture, downlight

[TRIM]Semi-diffuse anodized cone, open aperture

[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	917
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	13.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.14
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	9371	9326	9460
55	2115	2149	2181
65	399	398	427
75	21	21	6
85	18	16	12

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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	638.557	638.557	638.557	638.557	638.557
5	648.428	657.000	652.164	643.131	637.897
10	648.207	640.222	637.294	638.118	647.513
15	608.306	614.814	619.180	615.071	620.900
20	586.896	584.670	588.898	589.006	588.569
25	543.358	541.420	537.734	539.684	536.698
30	476.528	484.351	479.144	484.561	474.905
35	402.415	399.653	401.768	398.625	399.075
40	298.554	305.090	304.034	305.610	301.227
45	185.421	186.803	184.544	186.795	187.193
50	75.191	77.390	78.197	76.994	77.619
55	33.943	34.012	34.493	34.571	34.999
60	17.229	17.533	17.146	17.306	17.693
65	4.714	5.267	4.703	5.027	5.049
70	0.185	0.147	0.205	0.221	0.152
75	0.155	0.135	0.152	0.100	0.044
80	0.088	0.075	0.108	0.058	0.061
85	0.044	0.033	0.039	0.014	0.030
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	235.27	N.A.	25.70
0-30	482.66	N.A.	52.60
0-40	729.85	N.A.	79.60
0-60	909.98	N.A.	99.20
0-80	916.85	N.A.	100.00
0-90	916.89	N.A.	100.00
10-90	855.36	N.A.	93.30
20-40	494.58	N.A.	53.90
20-50	638.48	N.A.	69.60
40-70	186.87	N.A.	20.40
60-80	6.87	N.A.	0.70
70-80	0.13	N.A.	0.00
80-90	0.04	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	916.89	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	61.53
10-20	173.74
20-30	247.40
30-40	247.19
40-50	143.90
50-60	36.23
60-70	6.73
70-80	0.13
80-90	0.04
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

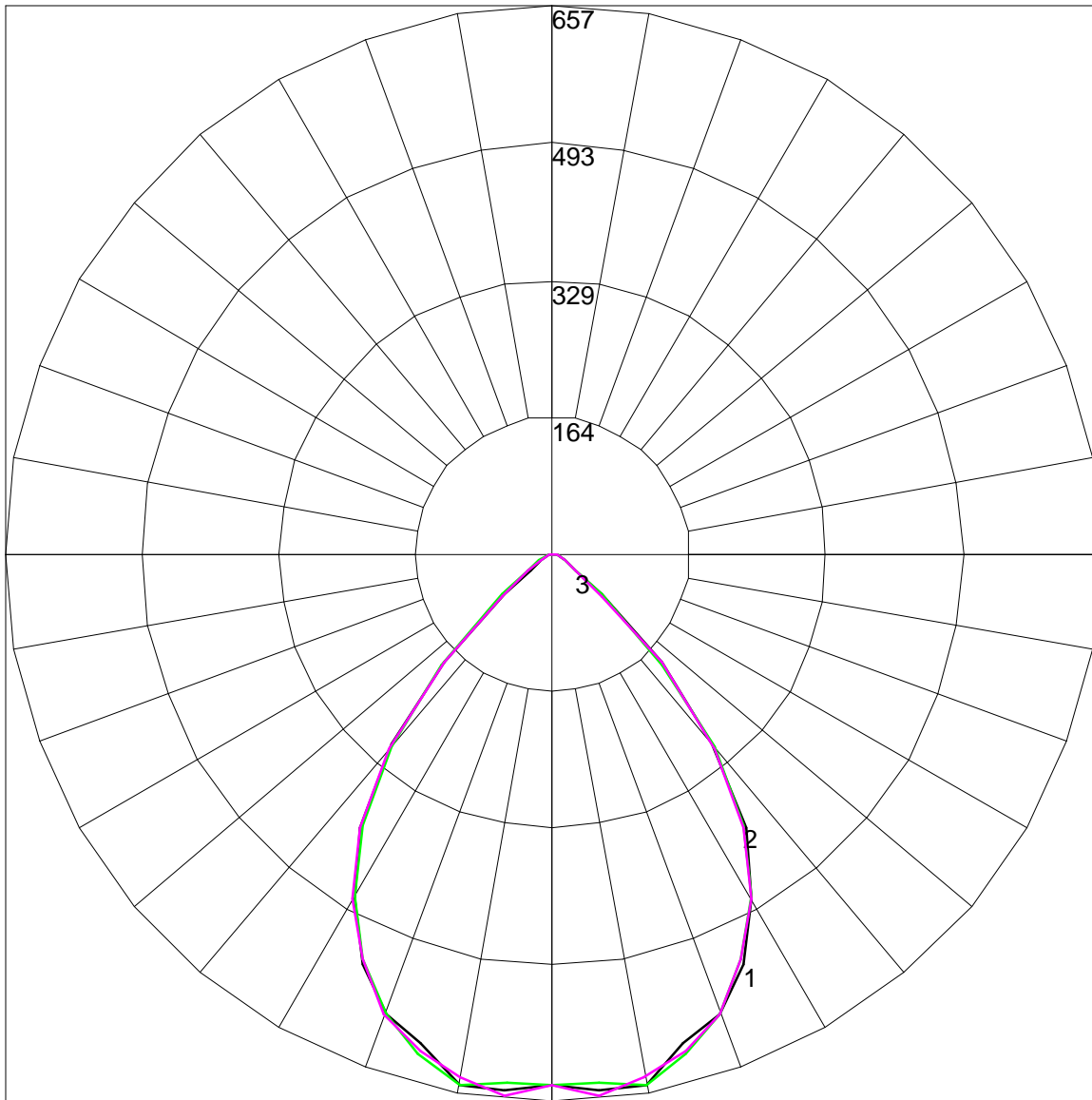
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	82	88	84	80	86	82	79	83	80	78	76
4	94	85	79	74	92	84	78	73	82	77	72	79	75	72	78	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	60	67	63	59	58
7	78	67	60	55	76	66	60	55	65	59	55	64	58	55	63	58	54	53
8	73	62	56	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	47	43	53	47	43	52	47	43	51	46	43	41

POLAR GRAPH



Maximum Candela = 657 Located At Horizontal Angle = 22.5, Vertical Angle = 5

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

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

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