

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGE8LEDGV-60L35KE1-AR8222GVSGSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Thu Aug 11 2016

[UPDATE] Fri Aug 12 2016

[TEST] SP-00307_52_M-60L

[MANUFAC] Spectrum Lighting

[LUMCAT] SGE8LEDGV-60L-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	3289
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	48.6
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	31802	32573	31964
55	8933	8915	9343
65	1609	1613	1624
75	24	54	39
85	53	58	44

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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	2293.574	2293.574	2293.574	2293.574	2293.574
5	2278.732	2226.756	2315.196	2264.574	2257.521
10	2321.674	2312.456	2339.267	2306.866	2310.278
15	2231.370	2313.019	2254.726	2255.106	2307.516
20	2164.943	2154.489	2156.374	2174.638	2128.251
25	1946.127	1942.097	1937.861	1938.457	1913.660
30	1688.128	1692.234	1693.718	1699.210	1690.923
35	1418.690	1384.262	1392.398	1395.085	1377.654
40	1024.195	1039.892	1046.024	1042.525	1061.417
45	629.289	647.456	644.542	650.532	632.496
50	309.152	313.518	312.727	309.434	313.821
55	143.386	148.087	143.093	145.292	149.961
60	70.501	72.809	69.775	72.159	74.878
65	19.034	18.752	19.077	20.399	19.207
70	0.531	0.585	0.639	0.607	0.368
75	0.173	0.552	0.390	0.379	0.282
80	0.412	0.379	0.119	0.249	0.422
85	0.130	0.076	0.141	0.087	0.108
90	0.000	0.000	0.000	0.000	0.065

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	856.20	N.A.	26.00
0-30	1745.18	N.A.	53.10
0-40	2605.95	N.A.	79.20
0-60	3260.96	N.A.	99.20
0-80	3288.6	N.A.	100.00
0-90	3288.74	N.A.	100.00
10-90	3070.09	N.A.	93.40
20-40	1749.74	N.A.	53.20
20-50	2254.95	N.A.	68.60
40-70	682.22	N.A.	20.70
60-80	27.64	N.A.	0.80
70-80	0.43	N.A.	0.00
80-90	0.14	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	3288.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	218.64
10-20	637.56
20-30	888.97
30-40	860.77
40-50	505.21
50-60	149.80
60-70	27.21
70-80	0.43
80-90	0.14
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

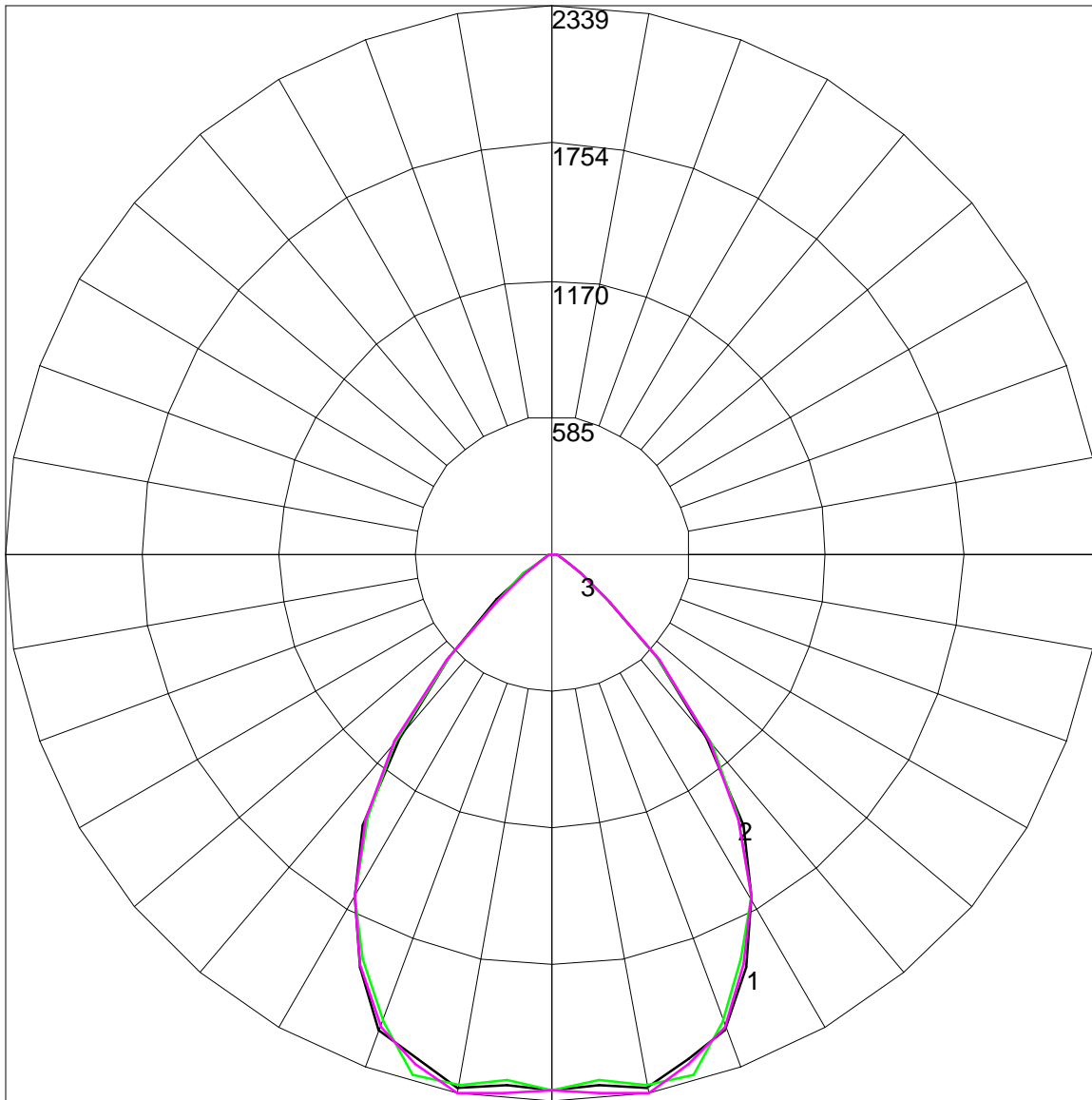
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2339.267 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)