

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGE5LEDGV-37L35KE1-AR5222GVSG.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Fri Aug 05 2016

[UPDATE] Wed Aug 10 2016

[TEST] SP-00522_M-37L

[MANUFAC] Spectrum Lighting

[LUMCAT]SGE5LEDGV-37L-35K-E1-AR5222GV-SG

[LUMINAIRE] 5" 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	2005
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	29.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.96
Spacing Criterion (90-270)	0.96
Spacing Criterion (Diagonal)	0.96
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.41 ft (Diameter)
Luminous Width (90-270)	0.41 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	30812	31036	30728
55	10198	10148	10247
65	823	877	728
75	169	150	157
85	125	120	207

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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	1851.871	1851.871	1851.871	1851.871	1851.871
5	1912.398	1904.699	1915.902	1904.422	1906.756
10	1860.625	1856.235	1869.210	1848.455	1862.831
15	1732.293	1729.980	1730.453	1723.709	1721.158
20	1523.532	1507.533	1522.193	1509.244	1504.238
25	1262.038	1267.910	1265.786	1265.732	1259.745
30	1016.299	1008.898	1017.402	1018.417	1013.214
35	751.950	751.815	750.617	745.449	747.735
40	491.829	496.774	495.279	491.105	491.430
45	269.227	270.296	271.182	265.208	268.489
50	122.521	121.229	122.216	122.690	123.854
55	72.277	73.306	71.925	73.360	72.629
60	33.534	32.979	33.203	33.609	33.392
65	4.296	4.025	4.580	4.478	3.802
70	0.819	0.859	0.771	0.832	0.798
75	0.541	0.433	0.480	0.474	0.501
80	0.304	0.244	0.223	0.244	0.419
85	0.135	0.108	0.129	0.074	0.223
90	0.000	0.014	0.014	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	659.59	N.A.	32.90
0-30	1239.51	N.A.	61.80
0-40	1706.72	N.A.	85.10
0-60	1993.91	N.A.	99.40
0-80	2004.88	N.A.	100.00
0-90	2005.02	N.A.	100.00
10-90	1825.29	N.A.	91.00
20-40	1047.13	N.A.	52.20
20-50	1267.38	N.A.	63.20
40-70	297.62	N.A.	14.80
60-80	10.97	N.A.	0.50
70-80	0.54	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	2005.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	179.73
10-20	479.85
20-30	579.92
30-40	467.21
40-50	220.25
50-60	66.94
60-70	10.43
70-80	0.54
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

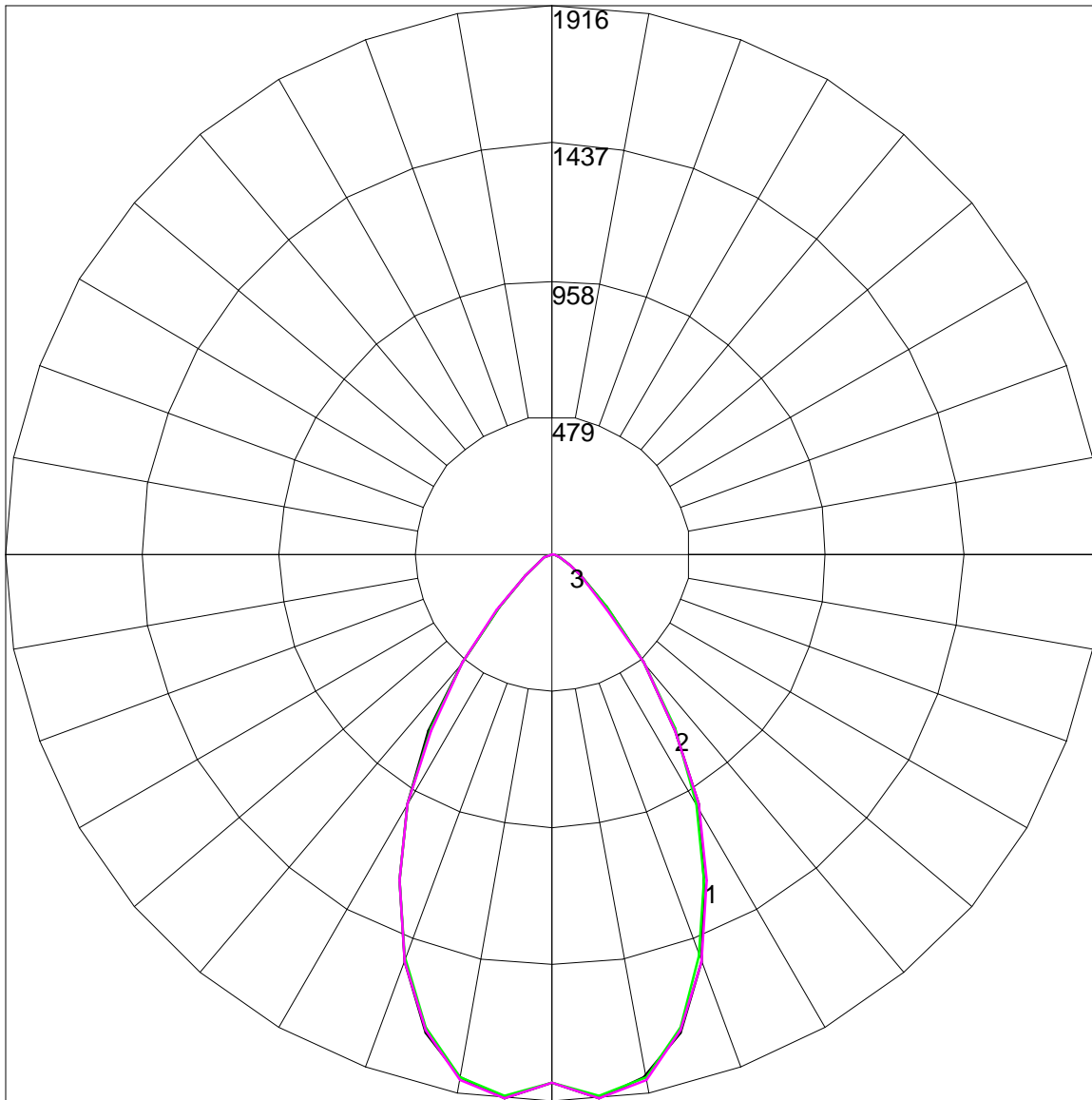
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	82	80	78
4	95	87	81	77	94	86	81	76	84	79	75	82	78	75	80	77	74	72
5	90	81	75	70	88	80	74	70	78	73	69	77	72	69	75	71	68	67
6	85	76	69	65	84	75	69	64	73	68	64	72	67	63	70	66	63	61
7	81	71	64	60	79	70	64	59	69	63	59	67	62	59	66	62	58	57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53
9	72	62	56	51	71	62	56	51	61	55	51	60	55	51	59	54	51	49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	56	51	48	46

POLAR GRAPH



Maximum Candela = 1915.902 Located At Horizontal Angle = 45, 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)