

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGE5LEDGV-27L35KE1-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-27L

[MANUFAC] Spectrum Lighting

[LUMCAT]SGE5LEDGV-27L-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	1482
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	22.3
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	22773	22939	22711
55	7537	7500	7574
65	608	648	538
75	125	111	116
85	93	88	153

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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	1368.715	1368.715	1368.715	1368.715	1368.715
5	1413.450	1407.760	1416.040	1407.555	1409.280
10	1375.185	1371.940	1381.530	1366.190	1376.815
15	1280.335	1278.625	1278.975	1273.990	1272.105
20	1126.040	1114.215	1125.050	1115.480	1111.780
25	932.770	937.110	935.540	935.500	931.075
30	751.145	745.675	751.960	752.710	748.865
35	555.765	555.665	554.780	550.960	552.650
40	363.510	367.165	366.060	362.975	363.215
45	198.985	199.775	200.430	196.015	198.440
50	90.555	89.600	90.330	90.680	91.540
55	53.420	54.180	53.160	54.220	53.680
60	24.785	24.375	24.540	24.840	24.680
65	3.175	2.975	3.385	3.310	2.810
70	0.605	0.635	0.570	0.615	0.590
75	0.400	0.320	0.355	0.350	0.370
80	0.225	0.180	0.165	0.180	0.310
85	0.100	0.080	0.095	0.055	0.165
90	0.000	0.010	0.010	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	487.50	N.A.	32.90
0-30	916.12	N.A.	61.80
0-40	1261.43	N.A.	85.10
0-60	1473.69	N.A.	99.40
0-80	1481.8	N.A.	100.00
0-90	1481.91	N.A.	100.00
10-90	1349.07	N.A.	91.00
20-40	773.93	N.A.	52.20
20-50	936.72	N.A.	63.20
40-70	219.97	N.A.	14.80
60-80	8.11	N.A.	0.50
70-80	0.40	N.A.	0.00
80-90	0.10	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	1481.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	132.84
10-20	354.66
20-30	428.62
30-40	345.32
40-50	162.79
50-60	49.47
60-70	7.71
70-80	0.40
80-90	0.10
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

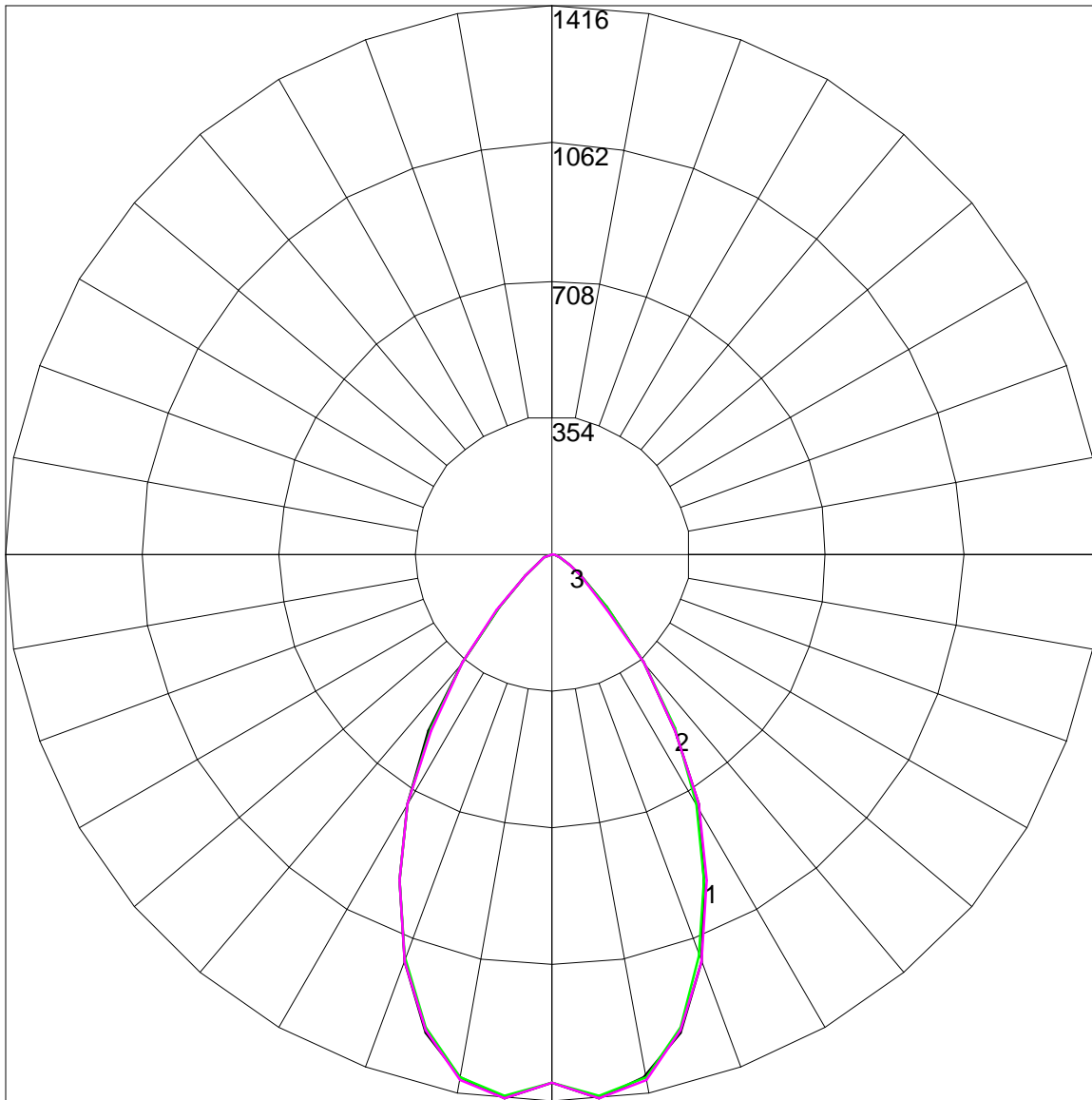
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	66
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	55	51	48	46

POLAR GRAPH



Maximum Candela = 1416.04 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)