

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SGE6LEDGV-37L35KE1-AR6222GV-SG.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST]101650171CRT-015_M-37L
[TESTLAB]Intertek
[LAB-REF LUMCAT]1502171140-002_M-37L
[ISSUEDATE] 03/18/2015
[UPDATE] 08/05/2016
[MANUFAC]SPECTRUM
[LUMCAT]SGE6LEDGV-37L-35K-E1-AR6222GV-SG
[LUMINAIRE] 6" 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 generated by Spectrum Lighting, scaled from 55L report

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2293
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	29.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.78
Spacing Criterion (90-270)	0.78
Spacing Criterion (Diagonal)	0.82
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.50 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	13571	13246	13031
55	3204	3172	3081
65	0	26	193
75	243	0	3507
85	0	468	9480

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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>
0.0	2989.386	2989.386	2989.386	2989.386	2989.386
2.5	2954.140	2959.891	2962.326	2959.417	2960.432
5.0	2885.340	2877.425	2883.446	2888.317	2877.560
7.5	2761.541	2767.765	2771.485	2776.288	2769.659
10.0	2638.147	2649.039	2637.674	2643.965	2647.956
12.5	2491.008	2490.738	2472.608	2480.387	2487.896
15.0	2308.624	2309.098	2287.855	2302.671	2304.294
17.5	2112.913	2115.619	2110.071	2112.236	2106.824
20.0	1925.116	1920.922	1918.892	1907.121	1910.707
22.5	1723.249	1718.987	1723.181	1717.295	1720.745
25.0	1524.087	1525.237	1517.660	1523.613	1522.396
27.5	1335.885	1330.405	1333.787	1334.261	1331.690
30.0	1149.441	1140.241	1144.570	1147.209	1142.338
32.5	955.692	950.347	949.671	955.624	953.933
35.0	776.013	764.513	770.669	772.766	775.607
37.5	601.882	593.291	595.861	596.808	598.770
40.0	434.719	430.931	431.404	435.734	432.148
42.5	291.910	285.821	287.039	290.963	286.227
45.0	175.214	172.305	171.019	170.004	168.246
47.5	110.405	107.902	106.278	106.616	106.278
50.0	82.601	81.248	81.248	81.857	81.315
52.5	55.608	54.188	54.391	54.999	54.323
55.0	33.554	32.404	33.216	34.231	32.269
57.5	16.777	16.101	16.439	17.724	15.695
60.0	3.653	3.721	4.059	6.427	4.194
62.5	0.068	0.744	0.677	2.571	1.218
65.0	0.000	0.338	0.203	2.841	1.488
67.5	0.000	0.474	0.000	5.074	5.344
70.0	0.000	4.668	0.000	8.592	10.012
72.5	1.150	6.765	0.000	13.598	13.327
75.0	1.150	8.321	0.000	18.063	16.574
77.5	1.759	12.786	0.068	20.633	17.454
80.0	1.218	13.665	0.677	22.392	19.280
82.5	0.474	14.004	1.759	22.257	19.077
85.0	0.000	11.974	0.744	17.589	15.086
87.5	0.000	5.886	0.000	8.321	6.968
90.0	0.000	0.744	0.000	1.827	0.812
92.5	2.638	1.150	0.000	1.759	0.879
95.0	7.442	1.488	0.000	3.044	4.262
97.5	4.194	0.000	0.000	0.541	3.315
100.0	1.556	0.000	0.000	0.000	1.827
102.5	0.406	0.000	0.000	0.000	0.879
105.0	0.068	0.000	0.000	0.000	0.474
107.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.271
122.5	0.000	0.000	0.000	0.000	0.879
125.0	0.000	0.000	0.000	0.000	1.015
127.5	0.000	0.000	0.000	0.000	1.082
130.0	0.000	0.000	0.000	0.000	0.879
132.5	0.000	0.000	0.000	0.068	0.744

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CANDELA TABULATION - (Cont.)

135.0	0.000	0.000	0.203	0.271	0.812
137.5	0.000	0.000	0.609	0.609	1.015
140.0	0.000	0.000	0.812	0.677	1.218
142.5	0.000	0.000	0.406	0.541	0.879
145.0	0.000	0.000	0.068	0.677	0.879
147.5	0.135	0.000	0.000	0.812	0.947
150.0	0.000	0.000	0.000	1.150	0.879
152.5	0.000	0.000	0.000	1.421	0.947
155.0	0.000	0.000	0.338	0.744	0.812
157.5	0.203	0.000	0.000	0.609	0.541
160.0	0.000	0.000	0.000	0.677	0.541
162.5	0.000	0.000	0.068	0.000	0.338
165.0	0.203	0.135	0.068	0.000	0.000
167.5	0.203	0.203	0.068	0.000	0.000
170.0	0.203	0.271	0.135	0.000	0.000
172.5	0.203	0.068	0.000	0.000	0.000
175.0	0.203	0.203	0.135	0.135	0.068
177.5	0.271	0.135	0.068	0.068	0.203
180.0	0.068	0.068	0.068	0.068	0.068

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	907.13	N.A.	39.60
0-30	1603.25	N.A.	69.90
0-40	2082.77	N.A.	90.80
0-60	2270.96	N.A.	99.00
0-80	2282.34	N.A.	99.50
0-90	2291.07	N.A.	99.90
10-90	2023.67	N.A.	88.20
20-40	1175.64	N.A.	51.30
20-50	1331.4	N.A.	58.10
40-70	190.37	N.A.	8.30
60-80	11.38	N.A.	0.50
70-80	9.19	N.A.	0.40
80-90	8.73	N.A.	0.40
90-110	1.60	N.A.	0.10
90-120	1.60	N.A.	0.10
90-130	1.70	N.A.	0.10
90-150	2.13	N.A.	0.10
90-180	2.34	N.A.	0.10
110-180	0.74	N.A.	0.00
0-180	2293.41	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	267.40
10-20	639.73
20-30	696.12
30-40	479.52
40-50	155.76
50-60	32.43
60-70	2.19
70-80	9.19
80-90	8.73
90-100	1.48
100-110	0.12
110-120	0.00
120-130	0.10
130-140	0.20
140-150	0.23
150-160	0.17
160-170	0.03
170-180	0.01

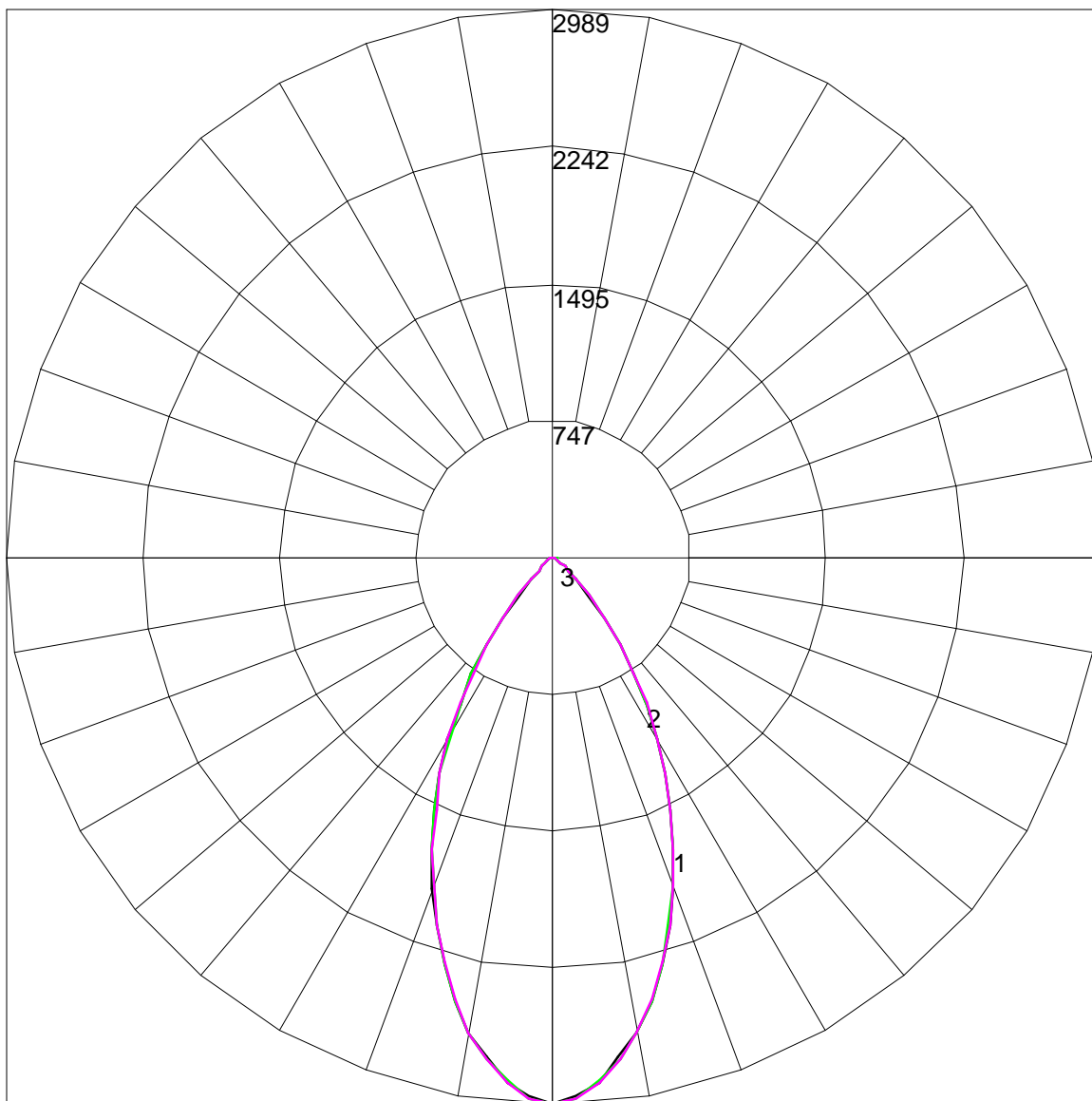
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80
4	97	90	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61
8	79	70	64	60	78	69	64	60	68	63	59	67	62	59	66	62	59	57
9	76	66	60	56	74	65	60	56	64	59	56	64	59	56	63	58	55	54
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51

POLAR GRAPH



Maximum Candela = 2989.386 Located At Horizontal Angle = 0, Vertical Angle = 0

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

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

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