

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGE6LEDGV-15L35KE1-AR6222GV-SG.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]101650171CRT-015_M-15L
 [TESTLAB]Intertek
 [LAB-REF LUMCAT]1502171140-002_M-15L
 [ISSUEDATE] 03/18/2015
 [UPDATE] 08/05/2016
 [MANUFAC]SPECTRUM
 [LUMCAT]SGE6LEDGV-15L-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	937
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	13.3
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	5547	5414	5326
55	1310	1296	1259
65	0	11	79
75	99	0	1433
85	0	191	3875

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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	1221.826	1221.826	1221.826	1221.826	1221.826
2.5	1207.420	1209.770	1210.766	1209.577	1209.992
5.0	1179.300	1176.065	1178.526	1180.517	1176.120
7.5	1128.701	1131.244	1132.765	1134.728	1132.019
10.0	1078.267	1082.719	1078.073	1080.645	1082.276
12.5	1018.128	1018.018	1010.607	1013.787	1016.856
15.0	943.584	943.777	935.095	941.151	941.814
17.5	863.592	864.698	862.431	863.316	861.104
20.0	786.836	785.122	784.292	779.481	780.947
22.5	704.328	702.586	704.301	701.895	703.305
25.0	622.927	623.397	620.300	622.733	622.236
27.5	546.005	543.765	545.147	545.341	544.290
30.0	469.801	466.041	467.810	468.889	466.898
32.5	390.612	388.427	388.151	390.584	389.893
35.0	317.173	312.473	314.989	315.846	317.007
37.5	246.002	242.490	243.541	243.928	244.730
40.0	177.679	176.130	176.324	178.094	176.628
42.5	119.310	116.821	117.319	118.923	116.987
45.0	71.613	70.425	69.899	69.484	68.766
47.5	45.125	44.102	43.438	43.576	43.438
50.0	33.761	33.208	33.208	33.456	33.235
52.5	22.728	22.148	22.231	22.479	22.203
55.0	13.714	13.244	13.576	13.991	13.189
57.5	6.857	6.581	6.719	7.244	6.415
60.0	1.493	1.521	1.659	2.627	1.714
62.5	0.028	0.304	0.276	1.051	0.498
65.0	0.000	0.138	0.083	1.161	0.608
67.5	0.000	0.194	0.000	2.074	2.184
70.0	0.000	1.908	0.000	3.512	4.092
72.5	0.470	2.765	0.000	5.558	5.447
75.0	0.470	3.401	0.000	7.383	6.774
77.5	0.719	5.226	0.028	8.433	7.134
80.0	0.498	5.585	0.276	9.152	7.880
82.5	0.194	5.724	0.719	9.097	7.797
85.0	0.000	4.894	0.304	7.189	6.166
87.5	0.000	2.406	0.000	3.401	2.848
90.0	0.000	0.304	0.000	0.747	0.332
92.5	1.078	0.470	0.000	0.719	0.359
95.0	3.041	0.608	0.000	1.244	1.742
97.5	1.714	0.000	0.000	0.221	1.355
100.0	0.636	0.000	0.000	0.000	0.747
102.5	0.166	0.000	0.000	0.000	0.359
105.0	0.028	0.000	0.000	0.000	0.194
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	0.111
122.5	0.000	0.000	0.000	0.000	0.359
125.0	0.000	0.000	0.000	0.000	0.415
127.5	0.000	0.000	0.000	0.000	0.442
130.0	0.000	0.000	0.000	0.000	0.359
132.5	0.000	0.000	0.000	0.028	0.304

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135.0	0.000	0.000	0.083	0.111	0.332
137.5	0.000	0.000	0.249	0.249	0.415
140.0	0.000	0.000	0.332	0.276	0.498
142.5	0.000	0.000	0.166	0.221	0.359
145.0	0.000	0.000	0.028	0.276	0.359
147.5	0.055	0.000	0.000	0.332	0.387
150.0	0.000	0.000	0.000	0.470	0.359
152.5	0.000	0.000	0.000	0.581	0.387
155.0	0.000	0.000	0.138	0.304	0.332
157.5	0.083	0.000	0.000	0.249	0.221
160.0	0.000	0.000	0.000	0.276	0.221
162.5	0.000	0.000	0.028	0.000	0.138
165.0	0.083	0.055	0.028	0.000	0.000
167.5	0.083	0.083	0.028	0.000	0.000
170.0	0.083	0.111	0.055	0.000	0.000
172.5	0.083	0.028	0.000	0.000	0.000
175.0	0.083	0.083	0.055	0.055	0.028
177.5	0.111	0.055	0.028	0.028	0.083
180.0	0.028	0.028	0.028	0.028	0.028

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	370.76	N.A.	39.60
0-30	655.28	N.A.	69.90
0-40	851.27	N.A.	90.80
0-60	928.19	N.A.	99.00
0-80	932.84	N.A.	99.50
0-90	936.41	N.A.	99.90
10-90	827.12	N.A.	88.20
20-40	480.51	N.A.	51.30
20-50	544.17	N.A.	58.10
40-70	77.81	N.A.	8.30
60-80	4.65	N.A.	0.50
70-80	3.76	N.A.	0.40
80-90	3.57	N.A.	0.40
90-110	0.65	N.A.	0.10
90-120	0.65	N.A.	0.10
90-130	0.69	N.A.	0.10
90-150	0.87	N.A.	0.10
90-180	0.96	N.A.	0.10
110-180	0.30	N.A.	0.00
0-180	937.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	109.29
10-20	261.47
20-30	284.52
30-40	195.99
40-50	63.66
50-60	13.25
60-70	0.89
70-80	3.76
80-90	3.57
90-100	0.60
100-110	0.05
110-120	0.00
120-130	0.04
130-140	0.08
140-150	0.09
150-160	0.07
160-170	0.01
170-180	0.00

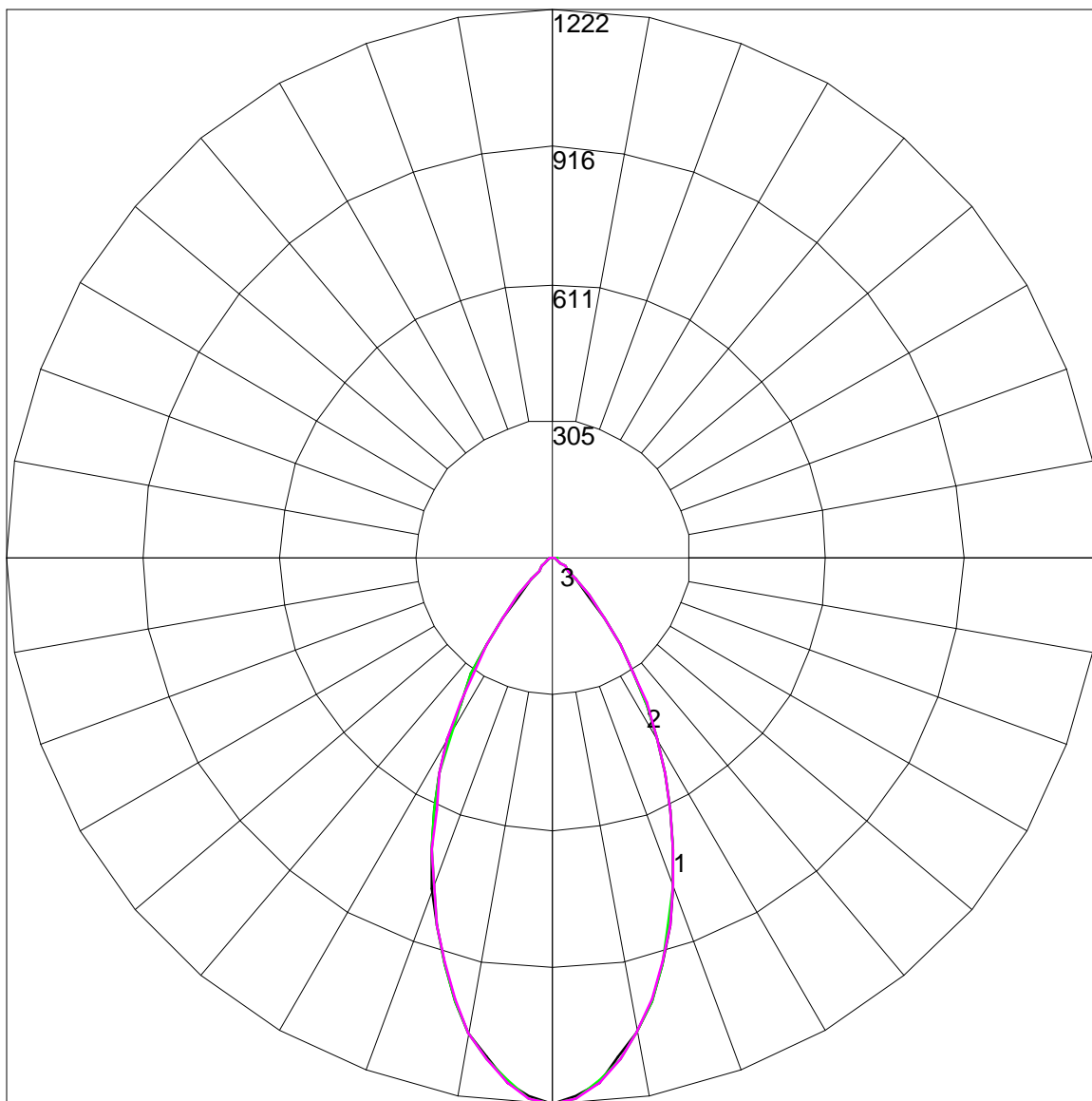
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 1221.826 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)