

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGE4LEDGV-55L35KE1-AR4222GVSG.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TESTLAB] Photopia 2015.1.1 see: www.ltiophics.com/ies
 [ISSUE DATE]
 [TEST DATE] Fri Aug 05 2016
 [UPDATE] Wed Aug 10 2016
 [TEST] SP-00521
 [MANUFAC] Spectrum Lighting
 [LUMCAT]SGE4LEDGV-55L-35K-E1-AR4222GV-SG
 [LUMINAIRE] 4" 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3037
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	42.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.84
Spacing Criterion (90-270)	0.84
Spacing Criterion (Diagonal)	0.90
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.33 ft (Diameter)
Luminous Width (90-270)	0.33 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	69103	70067	68998
55	28400	27920	28021
65	7236	7361	7134
75	852	733	771
85	368	354	396

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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	3199.88	3199.88	3199.88	3199.88	3199.88
5	3105.64	3131.90	3113.97	3122.26	3099.29
10	3071.10	3050.29	3030.05	3029.50	3032.59
15	2719.96	2684.92	2684.28	2695.33	2699.90
20	2239.36	2234.40	2246.55	2242.24	2226.05
25	1812.32	1811.15	1807.64	1812.19	1822.73
30	1433.26	1448.31	1445.59	1443.20	1442.32
35	1094.33	1088.11	1094.49	1098.28	1094.04
40	716.98	724.29	723.99	720.81	721.93
45	396.44	396.72	401.97	400.01	395.84
50	203.35	206.36	205.33	205.33	205.73
55	132.16	128.58	129.93	128.83	130.40
60	72.02	70.38	72.61	70.55	70.31
65	24.81	24.24	25.24	24.58	24.46
70	2.84	2.78	2.92	2.74	3.26
75	1.79	1.65	1.54	1.45	1.62
80	0.78	0.72	0.72	0.74	0.93
85	0.26	0.24	0.25	0.35	0.28
90	0.00	0.00	0.02	0.00	0.07

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1042.47	N.A.	34.30
0-30	1879.39	N.A.	61.90
0-40	2556.02	N.A.	84.20
0-60	3004.89	N.A.	98.90
0-80	3036.96	N.A.	100.00
0-90	3037.32	N.A.	100.00
10-90	2741.51	N.A.	90.30
20-40	1513.55	N.A.	49.80
20-50	1843.15	N.A.	60.70
40-70	479.15	N.A.	15.80
60-80	32.07	N.A.	1.10
70-80	1.79	N.A.	0.10
80-90	0.36	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	3037.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	295.82
10-20	746.65
20-30	836.92
30-40	676.63
40-50	329.60
50-60	119.27
60-70	30.28
70-80	1.79
80-90	0.36
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

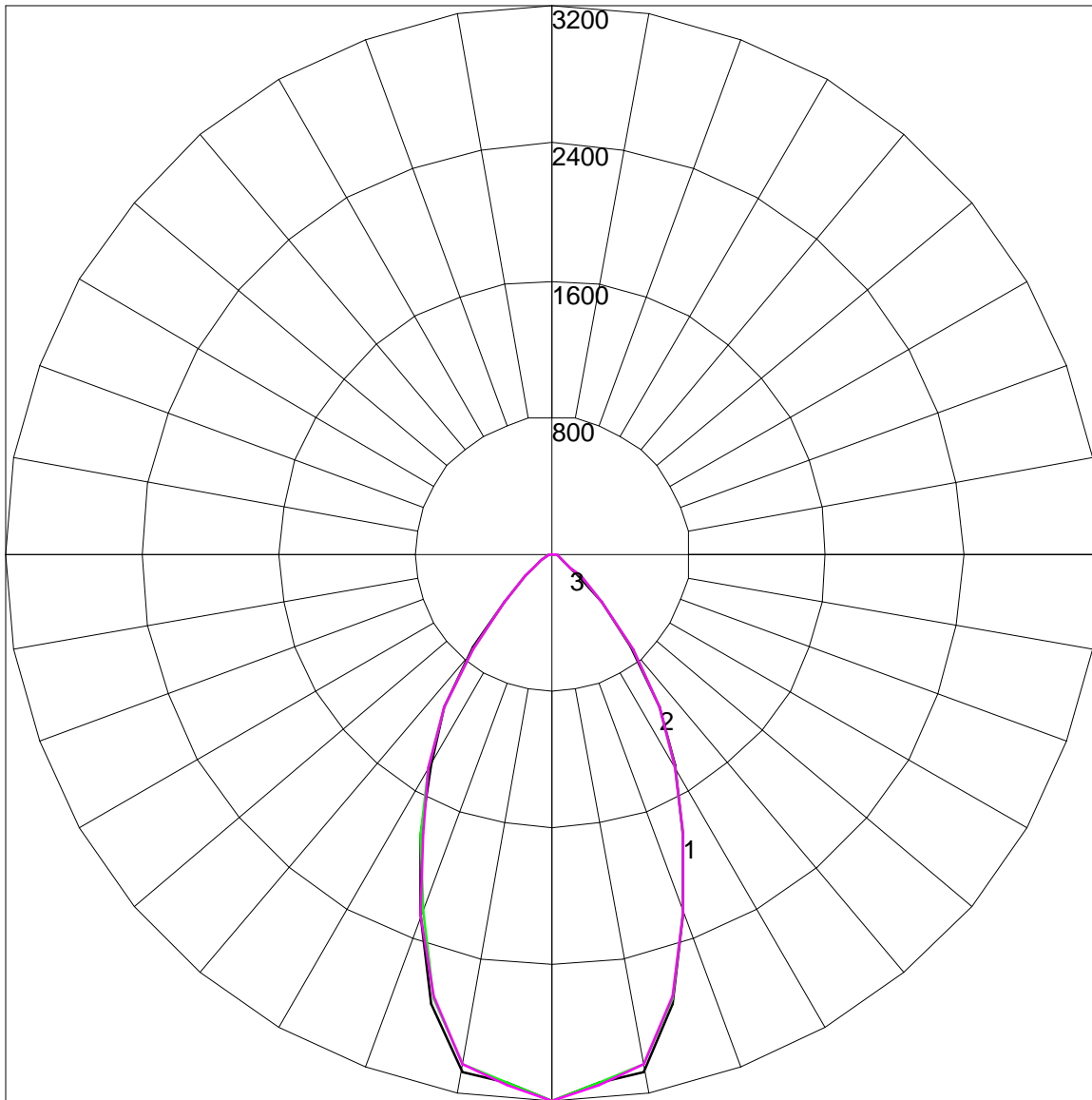
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	104	102	100	100	99	97	97	96	94	93
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	82	88	84	81	85	82	80	78
4	95	87	81	77	94	86	81	76	84	79	75	82	78	74	80	76	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	60	69	63	59	67	63	59	66	62	59	57
8	76	66	60	55	75	66	60	55	65	59	55	63	58	55	62	58	55	53
9	72	62	56	52	71	62	56	52	61	55	51	60	55	51	59	54	51	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	47

POLAR GRAPH



Maximum Candela = 3199.88 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)