

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGV8LEDGV-15L35KE1-AR8710GVSGSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Mon May 09 2016

[UPDATE] Mon Jul 25 2016

[TEST] SP-00396_35_M-15L-35K

[MANUFAC] Spectrum Lighting

[LUMCAT] SGV8LEDGV-15L-35K-E1-AR8710GV-SG-SO

[LUMINAIRE] 8" Diam. LED downlight, semi-diffuse clear anodized cone

[OTHER] Fully Regressed Solite Lens, beneath emitter

[LAMP] N/A

[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-40K

CHARACTERISTICS

| | |
|---------------------------------|--------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 1069 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 80 |
| Total Luminaire Watts | 13.3 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.18 |
| Spacing Criterion (90-270) | 1.18 |
| Spacing Criterion (Diagonal) | 1.08 |
| Basic Luminous Shape | Circular |
| Luminous Length (0-180) | 0.63 ft (Diameter) |
| Luminous Width (90-270) | 0.63 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 | 8092 | 8145 | 8238 |
| 55 | 2240 | 2191 | 2257 |
| 65 | 755 | 777 | 732 |
| 75 | 471 | 399 | 435 |
| 85 | 323 | 323 | 323 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGV8LEDGV-15L35KE1-AR8710GVSGSO.IES

CANDELA TABULATION

| | <u>0</u> | <u>45</u> | <u>90</u> |
|-----------|----------|-----------|-----------|
| 0 | 733.759 | 733.759 | 733.759 |
| 5 | 744.196 | 735.632 | 730.280 |
| 10 | 771.223 | 772.294 | 765.604 |
| 15 | 787.814 | 789.152 | 785.138 |
| 20 | 786.209 | 781.927 | 792.096 |
| 25 | 719.844 | 725.196 | 719.309 |
| 30 | 585.776 | 583.903 | 591.128 |
| 35 | 432.977 | 425.752 | 426.554 |
| 40 | 281.248 | 282.853 | 279.642 |
| 45 | 163.236 | 164.306 | 166.180 |
| 50 | 78.674 | 78.407 | 77.336 |
| 55 | 36.661 | 35.858 | 36.929 |
| 60 | 17.929 | 17.929 | 17.394 |
| 65 | 9.098 | 9.366 | 8.831 |
| 70 | 5.352 | 5.352 | 5.084 |
| 75 | 3.479 | 2.944 | 3.211 |
| 80 | 1.873 | 2.141 | 1.873 |
| 85 | 0.803 | 0.803 | 0.803 |
| 90 | 0.000 | 0.268 | 0.268 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGV8LEDGV-15L35KE1-AR8710GVSGSO.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 293.57 | N.A. | 27.50 |
| 0-30 | 617.33 | N.A. | 57.80 |
| 0-40 | 885.00 | N.A. | 82.80 |
| 0-60 | 1054.06 | N.A. | 98.60 |
| 0-80 | 1067.86 | N.A. | 99.90 |
| 0-90 | 1068.9 | N.A. | 100.00 |
| 10-90 | 997.42 | N.A. | 93.30 |
| 20-40 | 591.42 | N.A. | 55.30 |
| 20-50 | 723.08 | N.A. | 67.60 |
| 40-70 | 179.28 | N.A. | 16.80 |
| 60-80 | 13.79 | N.A. | 1.30 |
| 70-80 | 3.58 | N.A. | 0.30 |
| 80-90 | 1.04 | N.A. | 0.10 |
| 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 | 1068.9 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

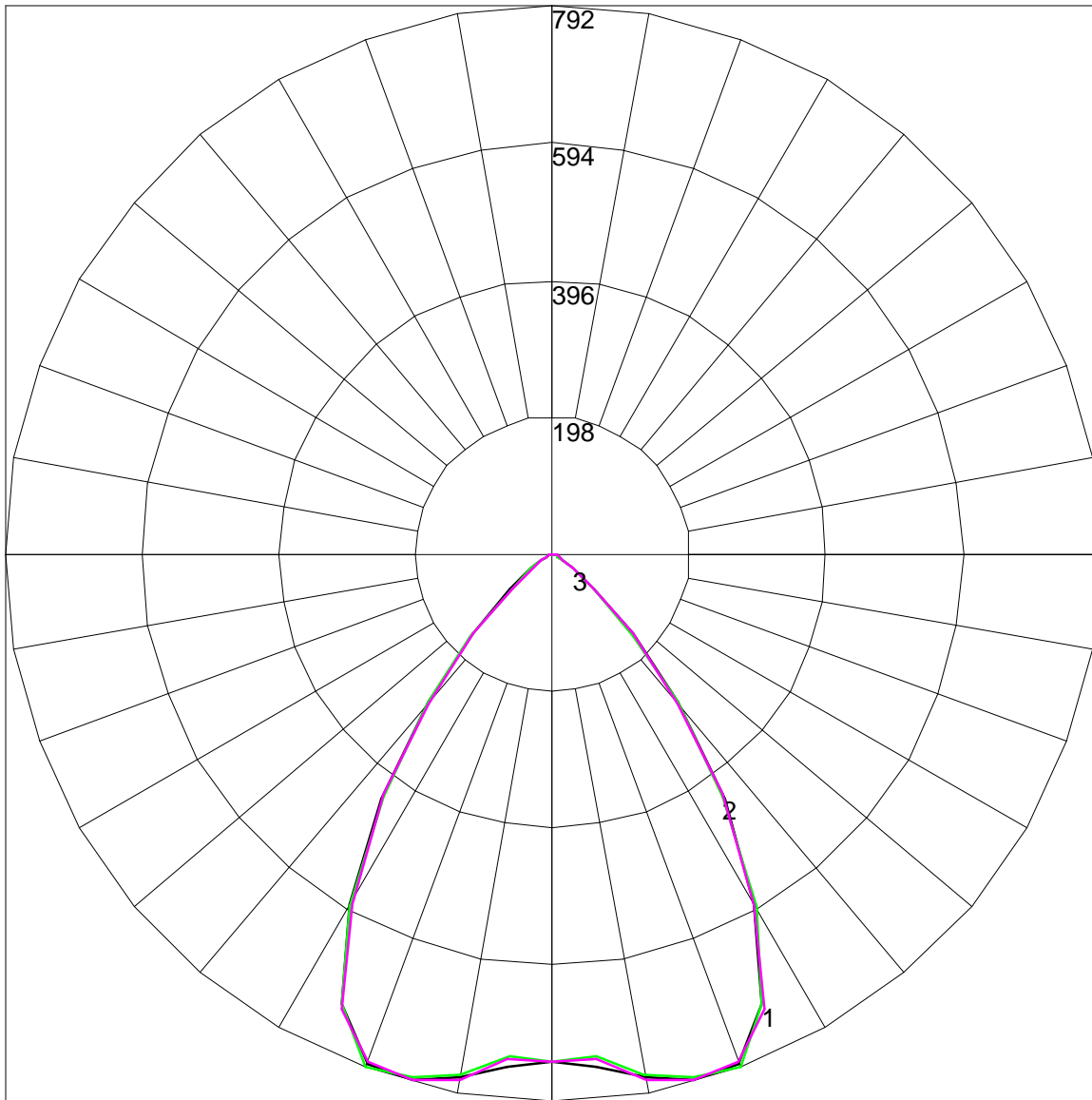
| Zone | Lumens |
|---------|--------|
| 0-10 | 71.48 |
| 10-20 | 222.10 |
| 20-30 | 323.75 |
| 30-40 | 267.67 |
| 40-50 | 131.65 |
| 50-60 | 37.41 |
| 60-70 | 10.21 |
| 70-80 | 3.58 |
| 80-90 | 1.04 |
| 90-100 | 0.00 |
| 100-110 | 0.00 |
| 110-120 | 0.00 |
| 120-130 | 0.00 |
| 130-140 | 0.00 |
| 140-150 | 0.00 |
| 150-160 | 0.00 |
| 160-170 | 0.00 |
| 170-180 | 0.00 |

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 | 107 | 105 | 110 | 108 | 105 | 103 | 103 | 101 | 100 | 100 | 98 | 97 | 96 | 95 | 94 | 92 |
| 2 | 106 | 101 | 96 | 93 | 104 | 99 | 95 | 92 | 96 | 92 | 90 | 93 | 90 | 88 | 90 | 88 | 86 | 84 |
| 3 | 100 | 93 | 87 | 83 | 98 | 92 | 86 | 82 | 89 | 84 | 81 | 86 | 83 | 80 | 84 | 81 | 78 | 77 |
| 4 | 94 | 86 | 80 | 75 | 92 | 85 | 79 | 74 | 82 | 77 | 73 | 80 | 76 | 73 | 78 | 75 | 72 | 70 |
| 5 | 89 | 79 | 73 | 68 | 87 | 78 | 72 | 68 | 76 | 71 | 67 | 75 | 70 | 66 | 73 | 69 | 66 | 64 |
| 6 | 83 | 74 | 67 | 62 | 82 | 73 | 66 | 62 | 71 | 66 | 61 | 70 | 65 | 61 | 68 | 64 | 60 | 59 |
| 7 | 79 | 68 | 62 | 57 | 77 | 68 | 61 | 57 | 66 | 61 | 56 | 65 | 60 | 56 | 64 | 59 | 56 | 54 |
| 8 | 74 | 64 | 57 | 52 | 73 | 63 | 57 | 52 | 62 | 56 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 50 |
| 9 | 70 | 59 | 53 | 48 | 69 | 59 | 53 | 48 | 58 | 52 | 48 | 57 | 52 | 48 | 56 | 51 | 48 | 46 |
| 10 | 66 | 56 | 49 | 45 | 65 | 55 | 49 | 45 | 54 | 49 | 45 | 54 | 48 | 45 | 53 | 48 | 45 | 43 |

POLAR GRAPH



Maximum Candela = 792.096 Located At Horizontal Angle = 90, Vertical Angle = 20

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

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

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