

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDXX6XT-40LXXKMDE1-SD6XMWSOX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2014.1.0 see: www.ltioptics.com/ies

[ISSUE DATE]

[TEST DATE] Wed Sep 30 2015

[UPDATE] Thu Jan 21 2016

[TEST] SP-00488_1_M-40L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx6XT-40L-xxK-MD-E1-SD6x-MW-SOX

[LUMINAIRE] 6" Square, Downlight, Medium Beam

[TRIM] Matte White, regressed Solite Lens

[LAMP] N/A, Min. 83 CRI

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] For Housings: SDFO6, and SDZO6 series

[OTHER] For Trims: SD6F and SD6N series

[OTHER] LEDXT lumen output is the same for all available color temperatures

[OTHER] This report prepared by Spectrum Lighting, scaled from 50L report

CHARACTERISTICS

| | |
|---------------------------------|---------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 2805 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 70 |
| Total Luminaire Watts | 39.9 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 0.58 |
| Spacing Criterion (90-270) | 0.58 |
| Spacing Criterion (Diagonal) | 0.76 |
| Basic Luminous Shape | Rectangular w/Sides |
| Luminous Length (0-180) | 0.79 ft |
| Luminous Width (90-270) | 0.93 ft |
| Luminous Height | 0.82 ft |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDXX6XT-40LXXKMDE1-SD6XMWSOX.IES

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 1533 | 1764 | 1695 |
| 55 | 1304 | 1201 | 1436 |
| 65 | 1059 | 925 | 1199 |
| 75 | 709 | 621 | 840 |
| 85 | 280 | 221 | 316 |

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : SDXX6XT-40LXXKMDE1-SD6XMWSOX.IES

CANDELA TABULATION

| | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> |
|-----------|------------|-------------|-------------|-------------|-------------|
| 0 | 4260.394 | 4260.394 | 4260.394 | 4260.394 | 4260.394 |
| 5 | 3869.358 | 3874.293 | 3925.314 | 3890.779 | 3994.606 |
| 10 | 3201.098 | 3176.681 | 3191.280 | 3172.485 | 3164.276 |
| 15 | 2449.262 | 2461.205 | 2443.202 | 2435.872 | 2439.545 |
| 20 | 2101.084 | 2099.744 | 2131.098 | 2109.038 | 2079.400 |
| 25 | 1692.452 | 1732.246 | 1741.209 | 1747.399 | 1688.133 |
| 30 | 1218.517 | 1313.789 | 1381.850 | 1325.039 | 1216.292 |
| 35 | 439.624 | 760.213 | 1163.331 | 761.599 | 441.333 |
| 40 | 170.355 | 223.169 | 651.420 | 221.914 | 167.344 |
| 45 | 150.304 | 164.395 | 200.123 | 160.083 | 153.761 |
| 50 | 147.825 | 148.587 | 153.399 | 150.627 | 136.744 |
| 55 | 126.172 | 132.925 | 137.691 | 135.974 | 126.850 |
| 60 | 114.299 | 119.812 | 123.978 | 117.933 | 115.069 |
| 65 | 98.075 | 104.527 | 103.935 | 106.152 | 99.777 |
| 70 | 84.330 | 88.257 | 88.327 | 87.072 | 83.730 |
| 75 | 60.714 | 63.540 | 66.305 | 64.380 | 63.533 |
| 80 | 40.887 | 40.818 | 40.471 | 41.056 | 40.741 |
| 85 | 21.260 | 19.550 | 21.614 | 20.721 | 20.798 |
| 90 | 6.714 | 5.790 | 4.735 | 5.428 | 3.850 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDXX6XT-40LXXKMDE1-SD6XMWSOX.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 1060.2 | N.A. | 37.80 |
| 0-30 | 1846.83 | N.A. | 65.80 |
| 0-40 | 2337.88 | N.A. | 83.30 |
| 0-60 | 2611.66 | N.A. | 93.10 |
| 0-80 | 2781.47 | N.A. | 99.20 |
| 0-90 | 2805.31 | N.A. | 100.00 |
| 10-90 | 2454.19 | N.A. | 87.50 |
| 20-40 | 1277.68 | N.A. | 45.50 |
| 20-50 | 1431.81 | N.A. | 51.00 |
| 40-70 | 376.05 | N.A. | 13.40 |
| 60-80 | 169.81 | N.A. | 6.10 |
| 70-80 | 67.53 | N.A. | 2.40 |
| 80-90 | 23.85 | N.A. | 0.90 |
| 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 | 2805.31 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 351.12 |
| 10-20 | 709.08 |
| 20-30 | 786.63 |
| 30-40 | 491.05 |
| 40-50 | 154.13 |
| 50-60 | 119.65 |
| 60-70 | 102.27 |
| 70-80 | 67.53 |
| 80-90 | 23.85 |
| 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 |

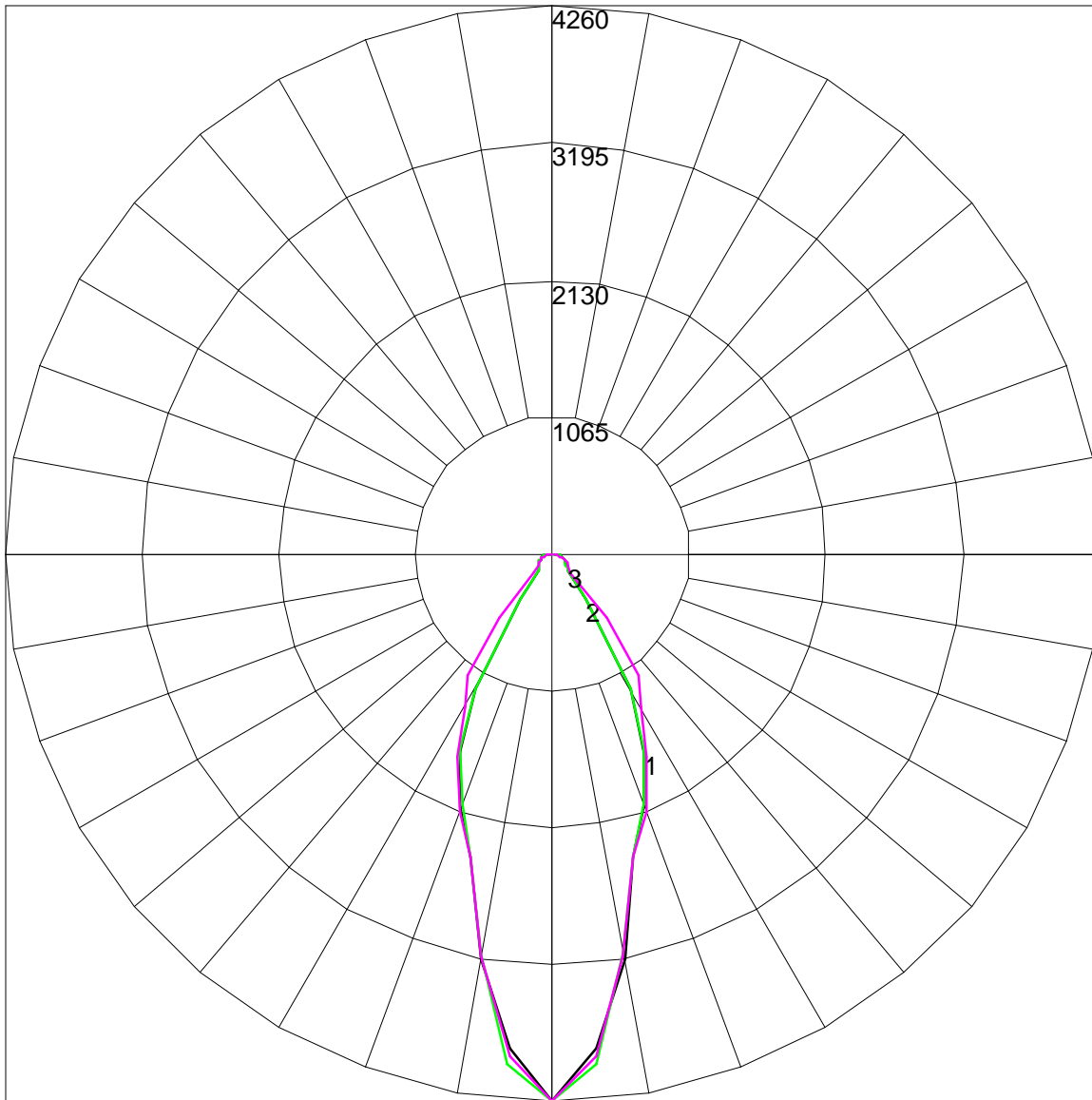
IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDXX6XT-40LXXKMDE1-SD6XMWSOX.IES

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 | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 97 | 96 | 96 | 94 | 93 | 91 |
| 2 | 106 | 100 | 96 | 92 | 104 | 99 | 94 | 91 | 95 | 92 | 89 | 92 | 89 | 87 | 89 | 87 | 85 | 83 |
| 3 | 100 | 93 | 87 | 83 | 98 | 91 | 86 | 82 | 89 | 84 | 81 | 86 | 82 | 79 | 84 | 81 | 78 | 76 |
| 4 | 95 | 86 | 80 | 75 | 93 | 85 | 79 | 75 | 83 | 78 | 74 | 81 | 77 | 73 | 79 | 75 | 72 | 71 |
| 5 | 90 | 80 | 74 | 69 | 88 | 80 | 74 | 69 | 78 | 72 | 68 | 76 | 71 | 68 | 74 | 70 | 67 | 66 |
| 6 | 85 | 75 | 69 | 64 | 83 | 75 | 69 | 64 | 73 | 68 | 64 | 72 | 67 | 63 | 70 | 66 | 63 | 61 |
| 7 | 81 | 71 | 64 | 60 | 79 | 70 | 64 | 60 | 69 | 63 | 60 | 68 | 63 | 59 | 66 | 62 | 59 | 57 |
| 8 | 77 | 67 | 61 | 56 | 76 | 66 | 60 | 56 | 65 | 60 | 56 | 64 | 59 | 56 | 63 | 59 | 55 | 54 |
| 9 | 73 | 63 | 57 | 53 | 72 | 63 | 57 | 53 | 62 | 56 | 53 | 61 | 56 | 52 | 60 | 55 | 52 | 51 |
| 10 | 70 | 60 | 54 | 50 | 69 | 59 | 54 | 50 | 59 | 53 | 50 | 58 | 53 | 49 | 57 | 53 | 49 | 48 |

POLAR GRAPH



Maximum Candela = 4260.394 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)