

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_12 ~ SS3MX-XT13LE1-SD3X-XXK-XNMWNL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_12_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/16/2017
 [UPDATE] 5/8/2017
 [LUMCAT] SS3Mx-XT13L-E1-SD3x-xxK-XN-MW-NL
 [LUMINAIRE] Nom. 3" Square Downlight, Xtra Narrow Beam
 [OTHER] Matte White Trim, No Lens
 [OTHER] 11.7 Degree Beam Angle
 [LAMP] N/A, 9mm LES
 [LAMPCAT] N/A, Min. 83 CRI
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] For New Construction Non-IC Housing: SS3MO-XT-series
 [OTHER] For Remodel/Retrofit Housing: SS3MR-XT-Series
 [OTHER] For SD3F or SD3N Downlight Trim
 [OTHER] LEDXT lumen output is the same for all available CCT's
 [OTHER] This report prepared by Spectrum Lighting, scaled from 20L

CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 1039 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 51 |
| Total Luminaire Watts | 20.4 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 0.24 |
| Spacing Criterion (90-270) | 0.24 |
| Spacing Criterion (Diagonal) | 0.26 |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 0.31 ft |
| Luminous Width (90-270) | 0.31 ft |
| Luminous Height | 0.00 ft |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_12 ~ SS3MX-XT13LE1-SD3X-XXK-XNMWNL.IES****LUMINANCE DATA (cd/sq.m)**

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 1131 | 1363 | 1131 |
| 55 | 2570 | 1926 | 2570 |
| 65 | 4075 | 3940 | 4075 |
| 75 | 1330 | 1211 | 1330 |
| 85 | 1428 | 2283 | 1428 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_12 ~ SS3MX-XT13LE1-SD3X-XXK-XNMWNL.IES****CANDELA TABULATION**

| | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> |
|-----------|------------|-------------|-------------|-------------|-------------|
| 0 | 9110.315 | 9110.315 | 9110.315 | 9110.315 | 9110.315 |
| 5 | 6132.968 | 6634.205 | 7546.110 | 6634.205 | 6132.968 |
| 10 | 1470.102 | 1637.953 | 2130.511 | 1637.953 | 1470.102 |
| 15 | 576.278 | 619.083 | 722.769 | 619.083 | 576.278 |
| 20 | 477.765 | 487.396 | 509.846 | 487.396 | 477.765 |
| 25 | 427.851 | 455.201 | 475.860 | 455.201 | 427.851 |
| 30 | 165.124 | 276.518 | 430.693 | 276.518 | 165.124 |
| 35 | 30.404 | 58.069 | 304.979 | 58.069 | 30.404 |
| 40 | 13.028 | 13.622 | 72.214 | 13.622 | 13.028 |
| 45 | 7.262 | 6.341 | 8.750 | 6.341 | 7.262 |
| 50 | 3.208 | 6.531 | 8.146 | 6.531 | 3.208 |
| 55 | 13.387 | 12.178 | 10.034 | 12.178 | 13.387 |
| 60 | 22.153 | 20.318 | 18.331 | 20.318 | 22.153 |
| 65 | 15.641 | 13.103 | 15.122 | 13.103 | 15.641 |
| 70 | 4.787 | 4.339 | 6.438 | 4.339 | 4.787 |
| 75 | 3.126 | 2.575 | 2.847 | 2.575 | 3.126 |
| 80 | 5.769 | 3.128 | 2.653 | 3.128 | 5.769 |
| 85 | 1.130 | 1.756 | 1.807 | 1.756 | 1.130 |
| 90 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_12 ~ SS3MX-XT13LE1-SD3X-XXK-XNMWNL.IES****ZONAL LUMEN SUMMARY**

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 724.26 | N.A. | 69.70 |
| 0-30 | 917.02 | N.A. | 88.30 |
| 0-40 | 999.46 | N.A. | 96.20 |
| 0-60 | 1020.05 | N.A. | 98.20 |
| 0-80 | 1037.07 | N.A. | 99.80 |
| 0-90 | 1038.94 | N.A. | 100.00 |
| 10-90 | 547.00 | N.A. | 52.60 |
| 20-40 | 275.20 | N.A. | 26.50 |
| 20-50 | 284.42 | N.A. | 27.40 |
| 40-70 | 33.85 | N.A. | 3.30 |
| 60-80 | 17.01 | N.A. | 1.60 |
| 70-80 | 3.75 | N.A. | 0.40 |
| 80-90 | 1.88 | N.A. | 0.20 |
| 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 | 1038.94 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 491.95 |
| 10-20 | 232.31 |
| 20-30 | 192.76 |
| 30-40 | 82.44 |
| 40-50 | 9.22 |
| 50-60 | 11.37 |
| 60-70 | 13.26 |
| 70-80 | 3.75 |
| 80-90 | 1.88 |
| 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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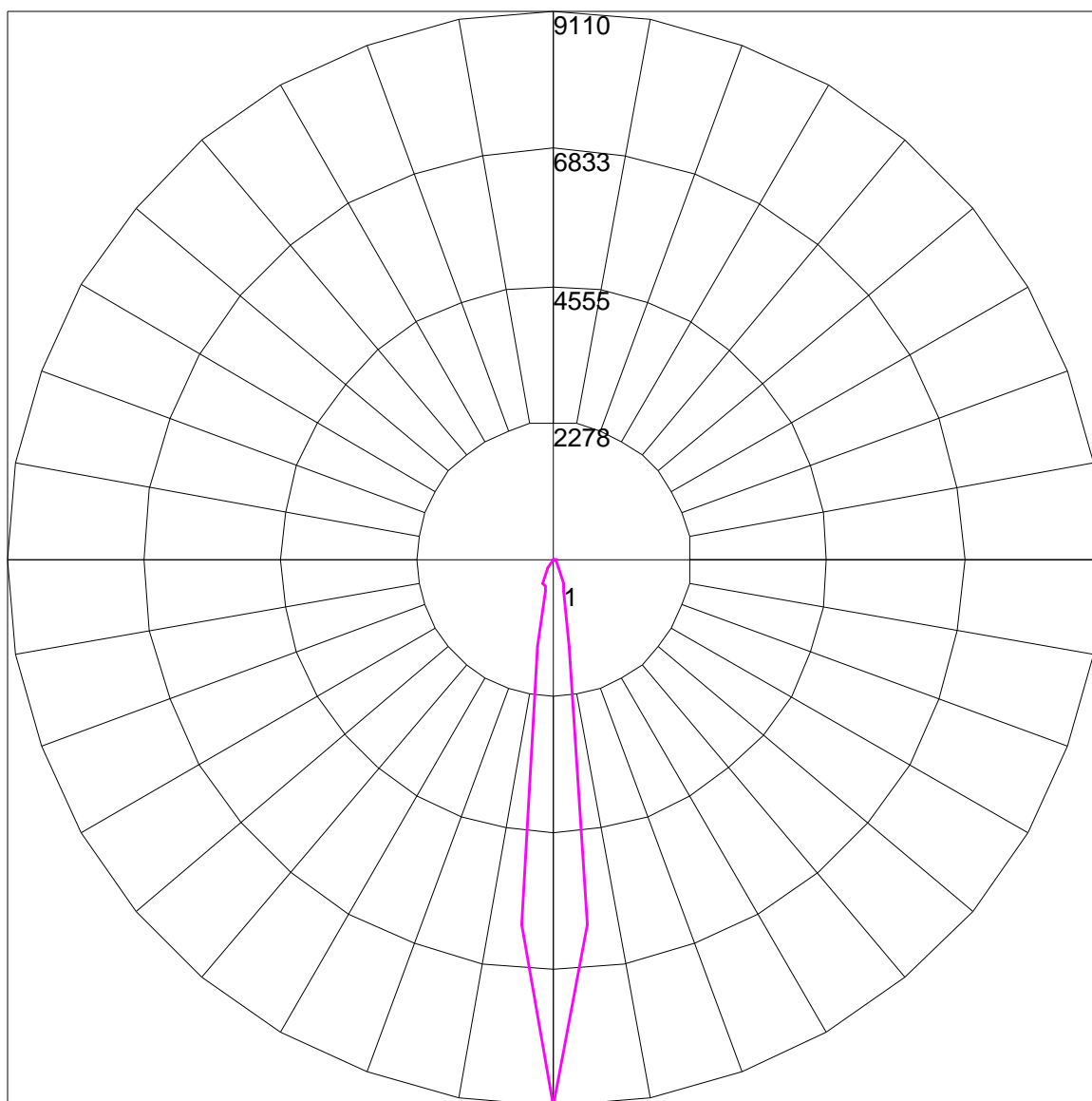
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99 | 99 | 98 | 96 |
| 2 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98 | 99 | 97 | 96 | 97 | 95 | 94 | 92 |
| 3 | 107 | 102 | 98 | 95 | 105 | 101 | 97 | 95 | 98 | 96 | 93 | 96 | 94 | 92 | 94 | 92 | 90 | 89 |
| 4 | 104 | 98 | 94 | 91 | 102 | 97 | 93 | 90 | 95 | 92 | 89 | 93 | 91 | 88 | 91 | 89 | 87 | 86 |
| 5 | 101 | 94 | 90 | 87 | 99 | 94 | 90 | 87 | 92 | 89 | 86 | 90 | 88 | 85 | 89 | 87 | 85 | 83 |
| 6 | 98 | 91 | 87 | 84 | 96 | 91 | 87 | 84 | 89 | 86 | 83 | 88 | 85 | 83 | 87 | 84 | 82 | 81 |
| 7 | 95 | 88 | 84 | 81 | 94 | 88 | 84 | 81 | 87 | 83 | 81 | 86 | 83 | 80 | 85 | 82 | 80 | 79 |
| 8 | 92 | 86 | 82 | 79 | 92 | 85 | 81 | 79 | 84 | 81 | 78 | 84 | 80 | 78 | 83 | 80 | 78 | 77 |
| 9 | 90 | 84 | 79 | 77 | 89 | 83 | 79 | 77 | 82 | 79 | 76 | 82 | 78 | 76 | 81 | 78 | 76 | 75 |
| 10 | 88 | 81 | 77 | 75 | 87 | 81 | 77 | 75 | 80 | 77 | 74 | 80 | 77 | 74 | 79 | 76 | 74 | 73 |

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POLAR GRAPH



Maximum Candela = 9110.315 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)