

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00547_3 ~ SS4MX-XT10LE1-SDD4X-XXK-NDMWNL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00547.3_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 3/21/2017
 [UPDATE] 4/20/2017
 [LUMCAT] SS4MRx-XT10L-E1-SDD4x-xxK-ND-MW-NL
 [LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Narrow Beam
 [OTHER] Matte White Trim, No lens
 [OTHER] 21.5 Degree Beam Angle
 [LAMP] N/A
 [LAMPCAT] N/A, Min. 83 CRI
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] For New Construction Non-IC Housing: SS4MO-XT-series
 [OTHER] For New Construction IC Rated Housing: SS4MI-XT-Series
 [OTHER] For Remodel/Retrofit Housing: SS4MR-XT-Series
 [OTHER] For SDD4F or SDD4N Downlight Trim
 [OTHER] LEDXT lumen output is the same for all available CCT's
 [OTHER] This report prepared by Spectrum Lighting, scaled from 40L

CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 697 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 63 |
| Total Luminaire Watts | 11.1 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 0.38 |
| Spacing Criterion (90-270) | 0.30 |
| Spacing Criterion (Diagonal) | 0.36 |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 0.20 ft |
| Luminous Width (90-270) | 0.20 ft |
| Luminous Height | 0.00 ft |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_3 ~ SS4MX-XT10LE1-SDD4X-XXK-NDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 4362 | 4754 | 2300 |
| 55 | 3185 | 5171 | 4460 |
| 65 | 3272 | 3507 | 2598 |
| 75 | 551 | 793 | 896 |
| 85 | 1142 | 1086 | 1061 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_3 ~ SS4MX-XT10LE1-SDD4X-XXK-NDMWNL.IES****CANDELA TABULATION**

| | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> |
|-----------|-------------------|--------------------|--------------------|--------------------|--------------------|
| 0 | 3477.085 | 3477.085 | 3477.085 | 3477.085 | 3477.085 |
| 5 | 3197.473 | 3118.086 | 2803.690 | 2793.844 | 2619.189 |
| 10 | 1881.244 | 1777.513 | 1519.813 | 1470.036 | 1330.113 |
| 15 | 883.553 | 854.070 | 718.893 | 706.826 | 639.028 |
| 20 | 479.734 | 455.784 | 397.768 | 416.735 | 392.253 |
| 25 | 306.986 | 317.308 | 308.438 | 294.979 | 262.470 |
| 30 | 152.512 | 204.112 | 258.510 | 171.782 | 125.184 |
| 35 | 43.561 | 84.243 | 148.973 | 60.783 | 32.665 |
| 40 | 17.138 | 22.173 | 44.946 | 14.004 | 10.979 |
| 45 | 11.245 | 12.182 | 12.256 | 8.412 | 5.930 |
| 50 | 6.471 | 8.879 | 10.912 | 7.046 | 4.622 |
| 55 | 6.660 | 9.093 | 10.812 | 9.652 | 9.326 |
| 60 | 9.472 | 10.515 | 10.225 | 10.279 | 10.499 |
| 65 | 5.041 | 6.205 | 5.403 | 5.798 | 4.003 |
| 70 | 1.244 | 2.245 | 1.239 | 1.530 | 1.441 |
| 75 | 0.520 | 0.625 | 0.748 | 0.925 | 0.845 |
| 80 | 0.476 | 0.503 | 0.289 | 0.396 | 0.786 |
| 85 | 0.363 | 0.339 | 0.345 | 0.376 | 0.337 |
| 90 | 0.432 | 0.200 | 0.360 | 0.116 | 0.343 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_3 ~ SS4MX-XT10LE1-SDD4X-XXK-NDMWNL.IES****ZONAL LUMEN SUMMARY**

| Zone | Lumens | %Lamp | %Fixt |
|---------|--------|-------|--------|
| 0-20 | 474.68 | N.A. | 68.10 |
| 0-30 | 613.63 | N.A. | 88.00 |
| 0-40 | 672.15 | N.A. | 96.40 |
| 0-60 | 690.54 | N.A. | 99.00 |
| 0-80 | 697.09 | N.A. | 99.90 |
| 0-90 | 697.48 | N.A. | 100.00 |
| 10-90 | 460.22 | N.A. | 66.00 |
| 20-40 | 197.46 | N.A. | 28.30 |
| 20-50 | 207.52 | N.A. | 29.80 |
| 40-70 | 24.01 | N.A. | 3.40 |
| 60-80 | 6.55 | N.A. | 0.90 |
| 70-80 | 0.93 | N.A. | 0.10 |
| 80-90 | 0.39 | 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 | 697.48 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 237.26 |
| 10-20 | 237.42 |
| 20-30 | 138.95 |
| 30-40 | 58.52 |
| 40-50 | 10.05 |
| 50-60 | 8.34 |
| 60-70 | 5.62 |
| 70-80 | 0.93 |
| 80-90 | 0.39 |
| 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 : SP_00547_3 ~ SS4MX-XT10LE1-SDD4X-XXK-NDMWNL.IES

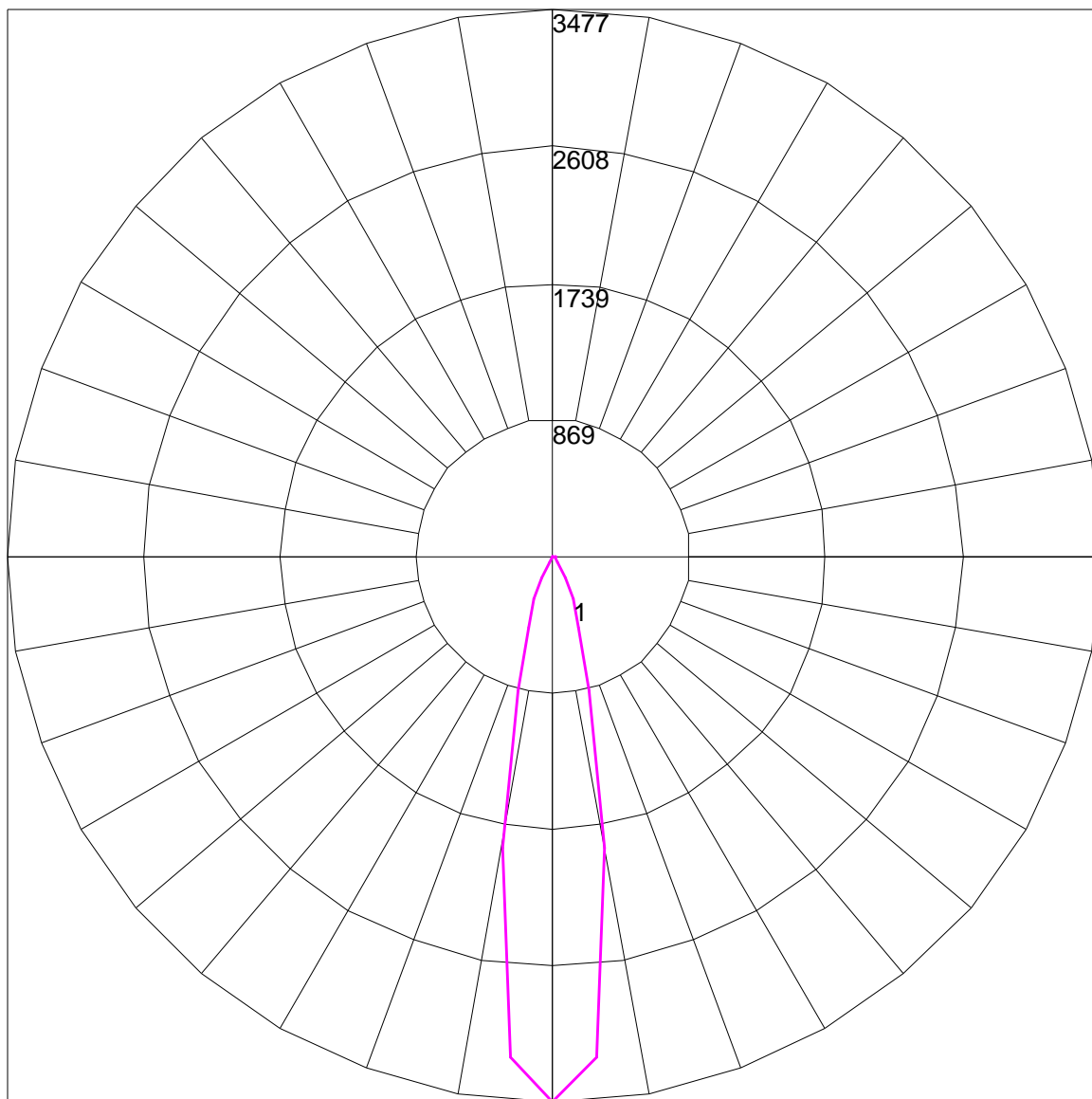
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 | 115 | 112 | 110 | 108 | 112 | 110 | 108 | 107 | 106 | 105 | 103 | 103 | 101 | 100 | 99 | 98 | 98 | 96 |
| 2 | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 99 | 102 | 99 | 97 | 99 | 97 | 95 | 96 | 95 | 93 | 92 |
| 3 | 106 | 101 | 97 | 94 | 105 | 100 | 96 | 93 | 97 | 94 | 92 | 95 | 93 | 91 | 93 | 91 | 89 | 88 |
| 4 | 103 | 97 | 92 | 89 | 101 | 96 | 92 | 89 | 94 | 90 | 88 | 92 | 89 | 87 | 90 | 88 | 86 | 84 |
| 5 | 99 | 93 | 88 | 85 | 98 | 92 | 88 | 84 | 90 | 87 | 84 | 89 | 85 | 83 | 87 | 85 | 82 | 81 |
| 6 | 96 | 89 | 84 | 81 | 95 | 88 | 84 | 81 | 87 | 83 | 80 | 86 | 82 | 80 | 84 | 82 | 79 | 78 |
| 7 | 93 | 86 | 81 | 78 | 92 | 85 | 81 | 78 | 84 | 80 | 77 | 83 | 80 | 77 | 82 | 79 | 77 | 76 |
| 8 | 90 | 83 | 78 | 75 | 89 | 82 | 78 | 75 | 81 | 77 | 75 | 80 | 77 | 74 | 80 | 76 | 74 | 73 |
| 9 | 87 | 80 | 76 | 73 | 86 | 80 | 75 | 72 | 79 | 75 | 72 | 78 | 74 | 72 | 77 | 74 | 72 | 71 |
| 10 | 85 | 77 | 73 | 70 | 84 | 77 | 73 | 70 | 76 | 73 | 70 | 76 | 72 | 70 | 75 | 72 | 70 | 69 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00547_3 ~ SS4MX-XT10LE1-SDD4X-XXK-NDMWNL.IES

POLAR GRAPH



Maximum Candela = 3477.085 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)