

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: HALO

Report Number: P869684

Luminaire Tested: **SMX14SLSFSD2W-1300LM-4000K**

Issue Date: 8/29/2024

Tested By:

Approved By:



Cooper Lighting Solutions laboratories have been accredited by National Voluntary Laboratory Accreditation Program (NVLAP) that it adheres to the requirements of ISO/IEC 17025:2005 and appropriate IESNA test methods. This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government. Results contained in this report are valid for luminaire sample tested, as supplied by requestor. Information related to the luminaire tested has been supplied by requestor and can affect the validity of the test results. Report shall not be reproduced except in full without approval of Cooper Lighting Solutions Lighting Laboratory. Test performed at address noted above.

Test Information

Test Method: LM-79-08
 Report Number: P869684
 Test Lab:
 Issue Date: 8/29/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: SMX14SLSFSD2W-1300LM-4000K
 Description: 14IN SQUARE, 90CRI, DIMMING TO 10%, DAMP LOCATION
 Light Source: SELECTABLE CCT 90CRI / 4000K CCT
 Ballast/Driver: -

Summary

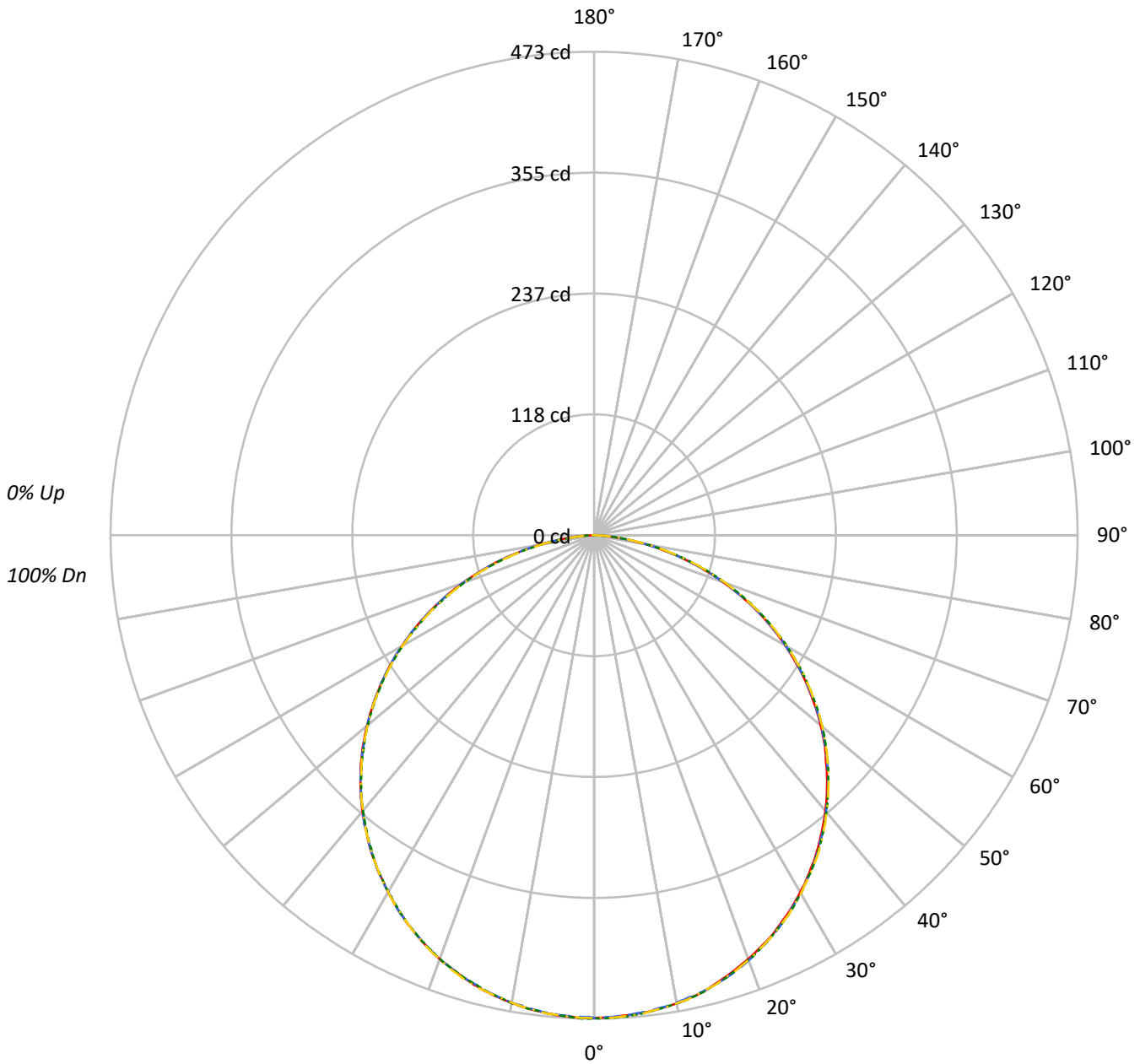
Lumens per Lamp: N/A
 Luminaire Lumens: 1380.2 lumens
 Efficiency: N/A
 Efficacy: 94.5 lumens/watt
 Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
 Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
 CIE Type: Direct

Input Watts (W): 14.6
 Input Voltage (V): NR
 Input Current (Ain): NR
 Voltage Rise (V): NR
 Power Factor: NR
 Total Harmonic Distortion (THDi): NR
 Frequency (hertz): 60
 Stabilization Time: NR
 Operation Time: NR
 Ambient Temperature (°C): NR
 Test Distance: 25 FT

| Measurement and Test Equipment | | | |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | GONIO 1 IN0055 | 4/22/2021 | 10/22/2021 |
| Power Meter | XITRON 2801 IN0197 | 12/1/2020 | 12/1/2021 |
| AC Power Source | CHROMA 61505 IN0196 | 12/1/2020 | 12/1/2021 |
| DC Power Supply | AGILENT E3634A IN0198 | 11/30/2020 | 11/30/2021 |
| Room Thermometer | ONSET IN0143 | 12/1/2020 | 12/1/2021 |

TEST NUMBER: P869684
CATALOG NUMBER: SMX14SLSFSD2W-1300LM-4000K

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - · - 135°-315°

TEST NUMBER: P869684
 CATALOG NUMBER: SMX14SLSFSD2W-1300LM-4000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|-----|---|--|----|
| RF | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | 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 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | | | 100 | | | |
| 1 | 109 | 104 | 100 | 96 | 106 | 102 | 98 | 94 | 97 | 94 | 91 | 93 | 91 | 88 | 90 | 88 | 86 | 84 | | | | | 84 | | | |
| 2 | 99 | 90 | 83 | 78 | 96 | 88 | 82 | 77 | 85 | 80 | 75 | 82 | 77 | 73 | 79 | 75 | 72 | 69 | | | | | 69 | | | |
| 3 | 90 | 79 | 71 | 64 | 87 | 78 | 70 | 64 | 75 | 68 | 63 | 72 | 66 | 61 | 69 | 64 | 60 | 58 | | | | | 58 | | | |
| 4 | 82 | 70 | 61 | 54 | 80 | 69 | 60 | 54 | 66 | 59 | 53 | 64 | 58 | 52 | 62 | 56 | 52 | 50 | | | | | 50 | | | |
| 5 | 75 | 62 | 53 | 47 | 73 | 61 | 53 | 46 | 59 | 52 | 46 | 57 | 51 | 45 | 55 | 50 | 45 | 43 | | | | | 43 | | | |
| 6 | 70 | 56 | 47 | 41 | 68 | 55 | 47 | 40 | 53 | 46 | 40 | 52 | 45 | 40 | 50 | 44 | 39 | 37 | | | | | 37 | | | |
| 7 | 65 | 51 | 42 | 36 | 63 | 50 | 42 | 36 | 48 | 41 | 35 | 47 | 40 | 35 | 46 | 40 | 35 | 33 | | | | | 33 | | | |
| 8 | 60 | 46 | 38 | 32 | 58 | 46 | 37 | 32 | 44 | 37 | 32 | 43 | 36 | 31 | 42 | 36 | 31 | 29 | | | | | 29 | | | |
| 9 | 56 | 43 | 34 | 29 | 55 | 42 | 34 | 29 | 41 | 33 | 28 | 40 | 33 | 28 | 39 | 33 | 28 | 26 | | | | | 26 | | | |
| 10 | 53 | 39 | 31 | 26 | 51 | 39 | 31 | 26 | 38 | 31 | 26 | 37 | 30 | 26 | 36 | 30 | 25 | 24 | | | | | 24 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|------|------|------|------|
| 0° | 3734 | 3734 | 3734 | 3734 |
| 5° | 3730 | 3735 | 3733 | 3732 |
| 10° | 3733 | 3733 | 3730 | 3729 |
| 15° | 3724 | 3728 | 3725 | 3716 |
| 20° | 3708 | 3717 | 3711 | 3709 |
| 25° | 3698 | 3705 | 3695 | 3695 |
| 30° | 3682 | 3693 | 3679 | 3674 |
| 35° | 3658 | 3672 | 3661 | 3653 |
| 40° | 3631 | 3647 | 3637 | 3628 |
| 45° | 3596 | 3620 | 3610 | 3596 |
| 50° | 3560 | 3584 | 3566 | 3554 |
| 55° | 3499 | 3526 | 3512 | 3500 |
| 60° | 3419 | 3454 | 3435 | 3419 |
| 65° | 3305 | 3342 | 3329 | 3297 |
| 70° | 3113 | 3171 | 3161 | 3115 |
| 75° | 2828 | 2895 | 2895 | 2831 |
| 80° | 2367 | 2462 | 2453 | 2371 |
| 85° | 1614 | 1714 | 1705 | 1623 |

TEST NUMBER: P869684
 CATALOG NUMBER: SMX14SLSFSD2W-1300LM-4000K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|---------------|--------------|
| 0°-10° | 44.7 | 3.2 |
| 10°-20° | 128.4 | 9.3 |
| 20°-30° | 195.6 | 14.2 |
| 30°-40° | 237.5 | 17.2 |
| 40°-50° | 248.9 | 18.0 |
| 50°-60° | 227.6 | 16.5 |
| 60°-70° | 175.3 | 12.7 |
| 70°-80° | 99.1 | 7.2 |
| 80°-90° | 23.0 | 1.7 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 368.7 | 26.7 |
| 0°-40° | 606.3 | 43.9 |
| 0°-60° | 1082.8 | 78.5 |
| 0°-90° | 1380.2 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1380.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|-----|-----|------|------|------|------|
| 0° | 472 | 472 | 472 | 472 | 472 | |
| 5° | 470 | 471 | 470 | 470 | 470 | 45 |
| 15° | 455 | 456 | 455 | 454 | 455 | 128 |
| 25° | 424 | 425 | 424 | 424 | 424 | 195 |
| 35° | 379 | 381 | 379 | 379 | 379 | 237 |
| 45° | 322 | 324 | 323 | 322 | 322 | 248 |
| 55° | 254 | 256 | 255 | 254 | 254 | 227 |
| 65° | 177 | 179 | 178 | 176 | 177 | 174 |
| 75° | 93 | 95 | 95 | 93 | 93 | 98 |
| 85° | 18 | 19 | 19 | 18 | 18 | 22 |
| 90° | 0 | 0 | 0 | 0 | 0 | |

TEST NUMBER: P869684
 CATALOG NUMBER: SMX14SLSFSD2W-1300LM-4000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 0° | 472.4 | 472.4 | 472.4 | 472.4 | 472.4 | 472.4 | 472.4 | 472.4 | 472.4 | 472.4 | 472.4 |
| 0.5° | 472.1 | 473.0 | 471.7 | 472.2 | 472.7 | 472.4 | 472.5 | 472.4 | 472.2 | 472.7 | 471.2 |
| 1° | 472.1 | 473.1 | 472.0 | 472.0 | 472.7 | 472.3 | 472.2 | 472.1 | 472.3 | 472.3 | 471.3 |
| 1.5° | 471.9 | 472.6 | 471.7 | 471.8 | 472.7 | 472.1 | 472.5 | 471.8 | 472.1 | 472.4 | 471.4 |
| 2° | 471.8 | 472.5 | 471.5 | 471.8 | 472.5 | 471.9 | 472.4 | 471.7 | 472.2 | 472.5 | 471.3 |
| 2.5° | 471.7 | 472.4 | 471.5 | 471.4 | 472.5 | 472.1 | 472.1 | 471.7 | 471.7 | 472.4 | 471.2 |
| 3° | 471.0 | 472.2 | 471.0 | 471.2 | 472.1 | 471.8 | 471.9 | 471.6 | 471.5 | 471.9 | 471.1 |
| 3.5° | 470.8 | 471.8 | 471.1 | 471.1 | 471.9 | 471.4 | 471.5 | 471.4 | 471.3 | 471.8 | 470.9 |
| 4° | 470.7 | 471.4 | 470.5 | 470.5 | 471.8 | 471.3 | 471.3 | 471.3 | 471.1 | 471.4 | 470.8 |
| 4.5° | 470.4 | 471.2 | 470.2 | 470.4 | 471.2 | 471.0 | 471.0 | 470.8 | 471.0 | 471.7 | 470.1 |
| 5° | 470.1 | 470.9 | 469.7 | 470.2 | 470.8 | 470.7 | 470.9 | 470.4 | 470.5 | 471.0 | 470.0 |
| 5.5° | 469.8 | 470.4 | 469.5 | 469.8 | 470.4 | 470.3 | 470.7 | 469.7 | 470.1 | 470.5 | 469.7 |
| 6° | 469.5 | 469.9 | 469.1 | 469.4 | 470.0 | 469.5 | 470.0 | 469.4 | 469.5 | 469.8 | 469.2 |
| 6.5° | 469.2 | 469.8 | 468.5 | 468.9 | 469.5 | 468.8 | 469.5 | 469.1 | 468.9 | 469.4 | 468.5 |
| 7° | 468.7 | 469.2 | 468.1 | 468.5 | 468.9 | 468.5 | 468.6 | 468.4 | 468.7 | 468.7 | 468.0 |
| 7.5° | 468.1 | 468.5 | 467.3 | 467.7 | 468.3 | 467.9 | 468.1 | 467.8 | 468.0 | 468.4 | 467.4 |
| 8° | 467.3 | 467.8 | 466.8 | 467.2 | 467.7 | 467.2 | 467.7 | 467.2 | 467.5 | 467.8 | 466.7 |
| 8.5° | 466.8 | 467.3 | 466.7 | 466.4 | 467.0 | 466.8 | 467.1 | 466.2 | 466.8 | 466.8 | 465.9 |
| 9° | 466.4 | 466.8 | 465.8 | 465.9 | 466.4 | 466.0 | 466.7 | 465.6 | 466.1 | 466.4 | 465.3 |
| 9.5° | 465.7 | 465.9 | 465.1 | 465.2 | 465.7 | 465.1 | 465.7 | 465.0 | 465.3 | 465.9 | 464.8 |
| 10° | 465.1 | 464.8 | 464.3 | 464.6 | 465.1 | 464.8 | 465.1 | 464.4 | 464.8 | 465.1 | 464.4 |
| 10.5° | 464.5 | 464.3 | 463.4 | 463.8 | 464.8 | 463.9 | 464.2 | 463.5 | 463.8 | 464.2 | 463.4 |
| 11° | 463.8 | 463.2 | 462.8 | 463.1 | 463.9 | 463.2 | 463.8 | 462.6 | 463.0 | 463.7 | 462.4 |
| 11.5° | 462.9 | 462.6 | 461.7 | 462.1 | 463.0 | 462.7 | 463.2 | 461.8 | 462.0 | 462.4 | 461.7 |
| 12° | 461.9 | 462.0 | 460.9 | 461.5 | 462.1 | 461.7 | 461.8 | 460.7 | 461.3 | 461.3 | 460.8 |
| 12.5° | 461.0 | 461.2 | 460.4 | 460.5 | 461.4 | 461.1 | 460.9 | 459.9 | 460.4 | 460.4 | 459.7 |
| 13° | 460.1 | 460.4 | 459.4 | 459.6 | 460.2 | 459.9 | 459.9 | 459.1 | 459.2 | 459.5 | 458.7 |
| 13.5° | 459.1 | 459.5 | 458.7 | 458.2 | 459.3 | 458.6 | 458.4 | 457.9 | 458.5 | 458.7 | 457.7 |
| 14° | 457.8 | 458.3 | 457.6 | 457.2 | 458.1 | 457.7 | 457.5 | 456.6 | 457.5 | 457.5 | 456.4 |
| 14.5° | 456.4 | 457.1 | 456.6 | 456.1 | 456.8 | 456.6 | 456.7 | 455.5 | 456.0 | 456.6 | 455.1 |
| 15° | 455.1 | 456.1 | 455.8 | 455.2 | 455.6 | 455.8 | 455.8 | 454.0 | 455.2 | 455.5 | 454.3 |
| 15.5° | 453.6 | 454.9 | 454.8 | 453.6 | 454.5 | 454.5 | 454.5 | 452.9 | 453.7 | 454.4 | 453.1 |
| 16° | 452.4 | 453.3 | 453.5 | 452.4 | 453.0 | 453.0 | 452.9 | 452.2 | 452.4 | 452.9 | 452.1 |
| 16.5° | 451.0 | 451.8 | 452.2 | 451.4 | 452.0 | 451.8 | 451.6 | 451.0 | 451.1 | 451.5 | 450.9 |
| 17° | 449.8 | 450.4 | 451.1 | 449.8 | 450.5 | 450.4 | 450.4 | 449.8 | 449.8 | 450.0 | 449.7 |
| 17.5° | 448.3 | 448.9 | 449.8 | 448.2 | 449.1 | 448.9 | 449.2 | 448.3 | 448.2 | 448.8 | 448.3 |
| 18° | 447.0 | 447.3 | 448.5 | 447.1 | 447.7 | 447.7 | 447.9 | 446.9 | 446.7 | 447.2 | 446.8 |
| 18.5° | 445.5 | 446.0 | 447.3 | 445.8 | 446.5 | 446.2 | 446.4 | 445.8 | 445.3 | 446.0 | 445.3 |
| 19° | 444.0 | 444.3 | 445.6 | 444.2 | 444.8 | 445.0 | 445.1 | 444.5 | 444.0 | 444.5 | 444.1 |
| 19.5° | 442.5 | 442.8 | 444.2 | 442.5 | 443.3 | 443.6 | 443.5 | 442.8 | 442.9 | 443.1 | 442.9 |
| 20° | 440.9 | 441.5 | 442.4 | 441.1 | 441.9 | 442.2 | 442.1 | 441.5 | 441.2 | 441.6 | 441.2 |
| 20.5° | 439.5 | 440.2 | 441.0 | 439.5 | 440.7 | 440.9 | 440.6 | 439.8 | 439.8 | 439.9 | 439.9 |
| 21° | 437.9 | 438.3 | 439.5 | 438.2 | 439.1 | 439.0 | 439.0 | 438.5 | 438.2 | 438.3 | 438.0 |
| 21.5° | 436.2 | 436.8 | 437.8 | 436.3 | 437.3 | 437.1 | 437.0 | 436.8 | 436.3 | 436.7 | 436.3 |
| 22° | 434.7 | 435.1 | 435.3 | 434.8 | 435.7 | 435.2 | 435.5 | 435.5 | 434.9 | 434.9 | 434.6 |

TEST NUMBER: P869684
 CATALOG NUMBER: SMX14SLSFSD2W-1300LM-4000K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 22.5° | 433.2 | 433.6 | 434.2 | 433.2 | 434.0 | 433.5 | 433.9 | 433.6 | 433.0 | 433.0 | 432.7 |
| 23° | 431.5 | 431.9 | 432.4 | 431.3 | 432.4 | 431.8 | 432.2 | 431.6 | 431.5 | 431.2 | 430.7 |
| 23.5° | 430.0 | 430.3 | 430.7 | 429.7 | 430.6 | 430.2 | 430.5 | 429.8 | 429.3 | 429.4 | 429.3 |
| 24° | 428.3 | 428.5 | 428.6 | 428.0 | 428.7 | 428.6 | 428.8 | 428.1 | 427.6 | 428.0 | 427.5 |
| 24.5° | 426.3 | 426.6 | 427.0 | 426.1 | 427.0 | 426.9 | 427.2 | 426.4 | 425.7 | 426.4 | 425.8 |
| 25° | 424.1 | 424.9 | 425.2 | 424.1 | 424.8 | 425.0 | 425.2 | 424.6 | 423.7 | 424.2 | 423.8 |
| 25.5° | 422.3 | 423.1 | 423.2 | 422.2 | 423.2 | 423.1 | 423.1 | 422.4 | 422.2 | 422.2 | 422.2 |
| 26° | 420.0 | 420.9 | 421.0 | 420.0 | 421.3 | 421.2 | 421.3 | 420.5 | 420.2 | 420.7 | 420.3 |
| 26.5° | 418.3 | 419.0 | 419.3 | 418.1 | 419.5 | 419.1 | 419.3 | 418.2 | 418.0 | 418.4 | 418.0 |
| 27° | 416.4 | 417.1 | 416.9 | 416.5 | 417.6 | 417.1 | 417.6 | 416.6 | 416.0 | 416.3 | 416.3 |
| 27.5° | 414.3 | 415.0 | 415.0 | 414.4 | 415.4 | 415.0 | 415.6 | 414.6 | 414.2 | 414.4 | 414.0 |
| 28° | 412.1 | 412.7 | 412.8 | 412.3 | 413.4 | 413.1 | 413.2 | 412.4 | 411.9 | 412.6 | 412.1 |
| 28.5° | 410.0 | 410.6 | 410.6 | 410.7 | 411.3 | 410.9 | 411.1 | 410.6 | 409.6 | 410.6 | 410.0 |
| 29° | 407.7 | 408.5 | 408.7 | 408.3 | 408.8 | 408.6 | 408.8 | 408.3 | 407.3 | 408.4 | 407.4 |
| 29.5° | 405.6 | 406.2 | 406.4 | 406.3 | 406.7 | 406.5 | 406.9 | 406.0 | 405.3 | 406.4 | 405.1 |
| 30° | 403.4 | 403.9 | 404.1 | 404.0 | 404.6 | 404.5 | 404.7 | 403.9 | 403.1 | 403.8 | 402.8 |
| 30.5° | 401.1 | 401.7 | 402.1 | 402.1 | 402.3 | 402.3 | 402.3 | 401.7 | 400.8 | 401.5 | 400.7 |
| 31° | 399.1 | 399.3 | 399.4 | 400.0 | 399.8 | 400.1 | 399.8 | 399.4 | 398.4 | 399.3 | 398.6 |
| 31.5° | 396.7 | 397.2 | 397.3 | 397.6 | 397.4 | 397.7 | 397.6 | 397.0 | 396.0 | 396.8 | 396.2 |
| 32° | 394.1 | 395.0 | 395.0 | 395.1 | 395.0 | 395.4 | 395.3 | 394.5 | 393.7 | 394.4 | 394.0 |
| 32.5° | 391.8 | 392.7 | 392.8 | 393.0 | 393.0 | 393.1 | 393.2 | 392.5 | 391.7 | 392.4 | 391.5 |
| 33° | 389.0 | 390.1 | 390.1 | 390.5 | 390.7 | 390.5 | 390.7 | 390.0 | 389.3 | 390.1 | 389.3 |
| 33.5° | 386.8 | 387.8 | 388.0 | 388.1 | 388.2 | 387.8 | 388.4 | 387.5 | 386.8 | 387.8 | 386.8 |
| 34° | 384.4 | 385.5 | 385.4 | 385.7 | 385.7 | 385.5 | 386.1 | 384.8 | 384.2 | 384.9 | 384.3 |
| 34.5° | 381.9 | 382.6 | 382.9 | 383.2 | 383.3 | 383.1 | 383.8 | 382.2 | 381.9 | 382.4 | 382.1 |
| 35° | 379.1 | 379.5 | 380.2 | 380.5 | 380.6 | 380.7 | 381.4 | 380.1 | 379.4 | 379.7 | 379.4 |
| 35.5° | 376.8 | 377.1 | 377.6 | 377.7 | 378.3 | 378.4 | 378.8 | 377.4 | 377.0 | 377.1 | 376.8 |
| 36° | 374.2 | 374.6 | 374.8 | 375.2 | 375.6 | 375.4 | 376.2 | 374.6 | 374.2 | 374.5 | 374.2 |
| 36.5° | 371.3 | 372.3 | 372.2 | 372.6 | 373.0 | 372.6 | 373.5 | 372.0 | 371.5 | 371.7 | 371.2 |
| 37° | 368.4 | 369.4 | 369.7 | 370.0 | 370.3 | 370.2 | 370.9 | 369.0 | 368.6 | 369.2 | 368.8 |
| 37.5° | 365.8 | 366.9 | 367.2 | 367.3 | 367.4 | 367.4 | 367.9 | 366.6 | 365.9 | 366.5 | 366.2 |
| 38° | 363.1 | 364.3 | 364.4 | 364.5 | 364.8 | 364.5 | 365.0 | 364.0 | 363.6 | 363.9 | 363.6 |
| 38.5° | 360.3 | 361.3 | 361.5 | 361.6 | 361.9 | 361.6 | 362.3 | 361.2 | 360.9 | 361.0 | 361.0 |
| 39° | 357.6 | 358.7 | 358.6 | 358.8 | 359.2 | 358.9 | 359.6 | 358.3 | 358.2 | 358.2 | 357.9 |
| 39.5° | 354.7 | 355.7 | 355.8 | 355.7 | 356.4 | 356.6 | 356.5 | 355.6 | 355.5 | 355.3 | 355.1 |
| 40° | 351.9 | 352.6 | 352.9 | 352.9 | 353.5 | 353.9 | 353.7 | 353.2 | 352.5 | 352.6 | 352.4 |
| 40.5° | 349.2 | 350.0 | 350.2 | 349.9 | 350.5 | 351.0 | 351.2 | 350.3 | 349.6 | 349.8 | 349.4 |
| 41° | 346.2 | 347.2 | 347.3 | 347.1 | 347.9 | 348.2 | 348.1 | 347.4 | 346.5 | 346.9 | 346.6 |
| 41.5° | 343.5 | 344.1 | 344.4 | 344.0 | 345.0 | 345.5 | 345.4 | 344.5 | 344.0 | 344.0 | 343.9 |
| 42° | 340.4 | 341.1 | 341.4 | 341.1 | 341.7 | 342.4 | 342.3 | 341.7 | 341.3 | 340.9 | 340.9 |
| 42.5° | 337.2 | 338.1 | 338.6 | 338.0 | 338.9 | 339.4 | 339.1 | 338.7 | 338.2 | 337.8 | 337.9 |
| 43° | 334.2 | 335.0 | 335.7 | 335.0 | 336.0 | 336.3 | 336.1 | 335.6 | 335.1 | 334.7 | 335.0 |
| 43.5° | 331.1 | 332.1 | 332.4 | 332.0 | 333.0 | 333.0 | 333.2 | 332.6 | 332.1 | 331.7 | 331.8 |
| 44° | 328.0 | 329.0 | 329.4 | 329.1 | 329.9 | 330.0 | 330.1 | 329.6 | 329.0 | 328.6 | 328.8 |
| 44.5° | 325.0 | 325.8 | 326.3 | 325.8 | 326.9 | 327.1 | 327.1 | 326.5 | 326.0 | 325.6 | 325.7 |

TEST NUMBER: P869684
 CATALOG NUMBER: SMX14SLSFSD2W-1300LM-4000K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 45° | 321.7 | 322.8 | 323.3 | 322.8 | 323.9 | 324.1 | 323.8 | 323.4 | 323.0 | 322.7 | 322.3 |
| 45.5° | 318.3 | 319.5 | 320.2 | 319.7 | 320.9 | 321.0 | 320.5 | 320.4 | 319.8 | 319.5 | 319.1 |
| 46° | 315.3 | 316.7 | 316.9 | 316.7 | 317.6 | 317.6 | 317.5 | 317.1 | 316.4 | 316.1 | 316.1 |
| 46.5° | 312.5 | 313.4 | 313.6 | 313.5 | 314.4 | 314.4 | 314.5 | 313.8 | 313.2 | 313.3 | 312.8 |
| 47° | 309.4 | 310.1 | 310.3 | 310.2 | 311.1 | 311.2 | 311.3 | 310.4 | 310.1 | 309.9 | 309.5 |
| 47.5° | 306.3 | 307.1 | 306.9 | 306.8 | 307.8 | 308.1 | 307.9 | 307.2 | 306.9 | 306.6 | 306.1 |
| 48° | 302.8 | 303.7 | 303.5 | 303.6 | 304.6 | 304.9 | 304.7 | 304.1 | 303.4 | 303.5 | 302.8 |
| 48.5° | 299.4 | 300.4 | 300.4 | 300.2 | 301.4 | 301.4 | 301.4 | 300.8 | 300.0 | 300.1 | 299.7 |
| 49° | 296.1 | 297.1 | 296.9 | 296.9 | 298.2 | 298.1 | 298.0 | 297.4 | 296.9 | 296.9 | 296.4 |
| 49.5° | 292.8 | 293.8 | 293.6 | 293.5 | 294.9 | 294.6 | 294.7 | 294.3 | 293.5 | 293.8 | 293.0 |
| 50° | 289.5 | 290.3 | 290.3 | 290.0 | 291.5 | 291.5 | 291.3 | 290.7 | 290.0 | 290.2 | 289.8 |
| 50.5° | 285.8 | 286.9 | 286.9 | 286.7 | 288.0 | 288.0 | 287.9 | 287.4 | 286.6 | 286.8 | 286.5 |
| 51° | 282.4 | 283.3 | 283.3 | 283.2 | 284.5 | 284.5 | 284.6 | 283.8 | 283.2 | 283.4 | 283.2 |
| 51.5° | 278.9 | 279.9 | 280.0 | 279.8 | 281.0 | 280.9 | 281.2 | 280.3 | 279.7 | 279.9 | 279.4 |
| 52° | 275.5 | 276.6 | 276.4 | 276.3 | 277.5 | 277.6 | 277.7 | 276.8 | 275.9 | 276.4 | 275.9 |
| 52.5° | 271.9 | 272.9 | 272.9 | 272.9 | 274.1 | 274.3 | 274.1 | 273.3 | 272.6 | 273.2 | 272.4 |
| 53° | 268.4 | 269.4 | 269.2 | 269.1 | 270.4 | 270.6 | 270.4 | 269.7 | 269.3 | 269.6 | 269.1 |
| 53.5° | 264.7 | 265.7 | 265.6 | 265.4 | 266.7 | 266.9 | 266.7 | 266.4 | 265.7 | 266.3 | 265.4 |
| 54° | 261.1 | 261.9 | 262.0 | 261.8 | 263.1 | 263.3 | 263.1 | 262.9 | 262.0 | 262.4 | 262.0 |
| 54.5° | 257.3 | 258.1 | 258.4 | 258.3 | 259.6 | 259.6 | 259.5 | 259.0 | 258.4 | 258.7 | 258.6 |
| 55° | 253.9 | 254.7 | 254.4 | 254.8 | 255.9 | 256.0 | 256.0 | 255.5 | 254.9 | 255.1 | 255.0 |
| 55.5° | 250.4 | 251.0 | 251.0 | 251.0 | 252.2 | 252.5 | 252.1 | 251.6 | 251.3 | 251.8 | 251.3 |
| 56° | 246.7 | 247.4 | 247.2 | 247.5 | 248.5 | 249.0 | 248.9 | 248.2 | 247.7 | 248.0 | 247.7 |
| 56.5° | 243.0 | 243.7 | 243.6 | 243.8 | 244.9 | 245.2 | 245.2 | 244.4 | 243.9 | 244.2 | 243.8 |
| 57° | 239.1 | 239.7 | 239.8 | 240.1 | 241.2 | 241.6 | 241.4 | 240.8 | 240.0 | 240.5 | 240.2 |
| 57.5° | 235.1 | 235.9 | 236.1 | 236.2 | 237.5 | 237.6 | 237.7 | 236.9 | 236.4 | 236.8 | 236.6 |
| 58° | 231.6 | 232.1 | 232.2 | 232.3 | 233.5 | 233.9 | 233.5 | 233.4 | 232.6 | 232.8 | 233.0 |
| 58.5° | 227.7 | 228.5 | 228.5 | 228.5 | 229.8 | 230.3 | 229.5 | 229.5 | 228.9 | 229.1 | 229.2 |
| 59° | 223.8 | 224.8 | 224.4 | 224.5 | 226.2 | 226.2 | 225.9 | 225.6 | 225.2 | 225.5 | 225.3 |
| 59.5° | 219.9 | 220.6 | 220.5 | 220.6 | 222.4 | 222.2 | 222.1 | 221.8 | 221.1 | 221.6 | 221.4 |
| 60° | 216.3 | 216.8 | 216.5 | 216.7 | 218.5 | 218.4 | 218.2 | 218.2 | 217.3 | 217.7 | 217.5 |
| 60.5° | 212.7 | 212.8 | 212.8 | 212.6 | 214.5 | 214.5 | 214.0 | 214.0 | 213.2 | 213.8 | 213.6 |
| 61° | 208.5 | 208.8 | 208.9 | 208.6 | 210.5 | 210.9 | 210.2 | 210.5 | 209.6 | 209.8 | 209.6 |
| 61.5° | 204.6 | 204.9 | 205.1 | 204.6 | 206.5 | 206.9 | 206.3 | 206.4 | 205.7 | 206.1 | 205.7 |
| 62° | 200.6 | 201.0 | 201.2 | 201.0 | 202.7 | 203.0 | 202.7 | 202.6 | 201.9 | 202.2 | 202.1 |
| 62.5° | 196.7 | 196.8 | 197.2 | 196.8 | 198.5 | 198.9 | 198.6 | 198.6 | 197.9 | 198.2 | 198.0 |
| 63° | 192.6 | 192.7 | 193.2 | 193.0 | 194.5 | 195.1 | 194.7 | 194.6 | 193.9 | 194.2 | 193.9 |
| 63.5° | 188.6 | 189.0 | 189.1 | 189.0 | 190.6 | 191.1 | 190.7 | 190.7 | 190.1 | 190.1 | 190.0 |
| 64° | 184.5 | 184.9 | 185.1 | 185.0 | 186.7 | 187.0 | 186.7 | 186.5 | 186.1 | 186.2 | 185.9 |
| 64.5° | 180.7 | 181.1 | 181.2 | 180.8 | 182.6 | 182.7 | 182.6 | 182.3 | 182.0 | 182.0 | 181.9 |
| 65° | 176.7 | 177.0 | 177.0 | 176.9 | 178.7 | 179.0 | 178.7 | 178.4 | 178.0 | 178.2 | 178.0 |
| 65.5° | 172.5 | 172.8 | 172.8 | 172.5 | 174.8 | 174.6 | 174.4 | 174.2 | 173.8 | 174.2 | 174.1 |
| 66° | 168.4 | 168.7 | 168.7 | 168.4 | 170.6 | 170.5 | 170.0 | 170.0 | 169.7 | 170.1 | 170.0 |
| 66.5° | 164.1 | 164.5 | 164.3 | 164.3 | 166.4 | 166.3 | 166.1 | 165.9 | 165.7 | 166.1 | 165.7 |
| 67° | 159.8 | 160.2 | 160.2 | 160.2 | 162.1 | 162.4 | 162.1 | 161.9 | 161.6 | 161.8 | 161.8 |

TEST NUMBER: P869684
 CATALOG NUMBER: SMX14SLSFSD2W-1300LM-4000K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 67.5° | 155.8 | 156.2 | 156.1 | 156.1 | 157.9 | 158.2 | 157.8 | 157.7 | 157.5 | 157.8 | 157.5 |
| 68° | 151.6 | 152.0 | 151.9 | 152.0 | 153.9 | 154.2 | 153.8 | 153.6 | 153.7 | 153.6 | 153.4 |
| 68.5° | 147.5 | 147.8 | 147.8 | 147.7 | 149.8 | 150.1 | 149.6 | 149.5 | 149.6 | 149.6 | 149.2 |
| 69° | 143.3 | 143.6 | 143.6 | 143.4 | 145.8 | 145.9 | 145.5 | 145.3 | 145.3 | 145.2 | 144.8 |
| 69.5° | 138.9 | 139.3 | 139.4 | 139.2 | 141.4 | 141.6 | 141.3 | 141.0 | 141.1 | 141.1 | 140.8 |
| 70° | 134.7 | 135.2 | 135.0 | 134.9 | 137.2 | 137.4 | 136.9 | 136.7 | 136.8 | 136.9 | 136.5 |
| 70.5° | 130.5 | 130.9 | 130.6 | 130.8 | 133.0 | 133.3 | 132.8 | 132.7 | 132.8 | 132.6 | 132.4 |
| 71° | 126.3 | 126.6 | 126.4 | 126.5 | 128.8 | 129.0 | 128.4 | 128.6 | 128.5 | 128.5 | 128.2 |
| 71.5° | 122.3 | 122.4 | 122.2 | 122.1 | 124.5 | 124.6 | 124.3 | 124.2 | 124.4 | 124.1 | 123.9 |
| 72° | 118.0 | 118.2 | 118.0 | 117.9 | 120.2 | 120.4 | 120.1 | 120.1 | 120.2 | 119.9 | 119.7 |
| 72.5° | 113.6 | 114.1 | 113.9 | 113.5 | 116.1 | 116.2 | 116.0 | 115.8 | 116.0 | 115.7 | 115.5 |
| 73° | 109.5 | 109.8 | 109.6 | 109.5 | 111.9 | 112.0 | 111.8 | 111.7 | 111.7 | 111.6 | 111.3 |
| 73.5° | 105.3 | 105.6 | 105.3 | 105.3 | 107.7 | 108.0 | 107.8 | 107.6 | 107.6 | 107.4 | 107.3 |
| 74° | 101.0 | 101.3 | 101.2 | 101.1 | 103.5 | 103.8 | 103.7 | 103.3 | 103.4 | 103.1 | 103.0 |
| 74.5° | 96.8 | 97.3 | 96.9 | 97.0 | 99.3 | 99.5 | 99.2 | 99.1 | 99.1 | 99.1 | 98.9 |
| 75° | 92.6 | 92.9 | 92.8 | 92.6 | 94.8 | 95.1 | 95.1 | 94.9 | 94.8 | 94.8 | 94.8 |
| 75.5° | 88.5 | 88.5 | 88.5 | 88.4 | 90.6 | 91.0 | 90.7 | 90.7 | 90.7 | 90.7 | 90.6 |
| 76° | 84.3 | 84.4 | 84.3 | 84.4 | 86.4 | 86.8 | 86.4 | 86.5 | 86.5 | 86.4 | 86.4 |
| 76.5° | 80.1 | 80.2 | 80.3 | 80.1 | 82.4 | 82.5 | 82.3 | 82.4 | 82.4 | 82.3 | 82.4 |
| 77° | 75.9 | 76.1 | 75.9 | 75.9 | 78.1 | 78.5 | 78.3 | 78.2 | 78.1 | 78.2 | 78.2 |
| 77.5° | 71.8 | 72.1 | 71.9 | 71.9 | 73.9 | 74.2 | 74.1 | 74.1 | 74.1 | 74.2 | 74.2 |
| 78° | 67.8 | 68.0 | 67.8 | 67.9 | 69.9 | 70.1 | 70.0 | 69.9 | 69.7 | 70.1 | 70.0 |
| 78.5° | 63.8 | 63.9 | 63.8 | 63.9 | 66.1 | 66.1 | 66.1 | 65.8 | 65.6 | 65.9 | 66.0 |
| 79° | 59.8 | 59.9 | 59.8 | 60.0 | 62.2 | 62.2 | 62.0 | 62.0 | 61.8 | 62.0 | 61.9 |
| 79.5° | 55.9 | 56.0 | 55.9 | 56.0 | 58.2 | 58.2 | 58.0 | 58.0 | 57.8 | 58.1 | 58.1 |
| 80° | 52.0 | 52.1 | 52.0 | 52.0 | 54.1 | 54.2 | 53.9 | 53.9 | 53.9 | 54.2 | 54.1 |
| 80.5° | 48.2 | 48.2 | 48.2 | 48.0 | 50.2 | 50.5 | 50.2 | 50.2 | 50.0 | 50.3 | 50.3 |
| 81° | 44.4 | 44.5 | 44.4 | 44.1 | 46.3 | 46.6 | 46.4 | 46.3 | 46.3 | 46.5 | 46.6 |
| 81.5° | 40.7 | 40.8 | 40.7 | 40.5 | 42.6 | 42.7 | 42.6 | 42.5 | 42.5 | 42.7 | 42.8 |
| 82° | 37.2 | 37.2 | 37.1 | 36.9 | 38.9 | 39.0 | 38.9 | 38.7 | 38.7 | 39.0 | 39.1 |
| 82.5° | 33.7 | 33.7 | 33.6 | 33.4 | 35.4 | 35.6 | 35.4 | 35.3 | 35.3 | 35.5 | 35.7 |
| 83° | 30.1 | 30.3 | 30.1 | 29.8 | 31.9 | 32.0 | 32.0 | 31.8 | 31.8 | 32.0 | 32.3 |
| 83.5° | 26.8 | 26.9 | 26.7 | 26.6 | 28.3 | 28.6 | 28.4 | 28.4 | 28.4 | 28.6 | 28.8 |
| 84° | 23.7 | 23.8 | 23.6 | 23.3 | 25.1 | 25.1 | 25.1 | 25.0 | 25.0 | 25.2 | 25.4 |
| 84.5° | 20.7 | 20.7 | 20.7 | 20.4 | 22.0 | 22.2 | 22.0 | 21.9 | 21.8 | 22.0 | 22.3 |
| 85° | 17.8 | 17.8 | 17.8 | 17.5 | 18.9 | 19.0 | 19.0 | 18.8 | 18.8 | 19.0 | 19.1 |
| 85.5° | 15.2 | 15.2 | 15.2 | 15.0 | 16.0 | 16.1 | 16.0 | 16.0 | 16.0 | 16.1 | 16.3 |
| 86° | 12.7 | 12.7 | 12.6 | 12.4 | 13.7 | 13.7 | 13.7 | 13.6 | 13.6 | 13.8 | 13.9 |
| 86.5° | 10.2 | 10.3 | 10.2 | 10.1 | 11.4 | 11.4 | 11.4 | 11.2 | 11.3 | 11.5 | 11.5 |
| 87° | 7.9 | 7.9 | 8.0 | 7.8 | 9.1 | 9.1 | 9.2 | 9.0 | 9.0 | 9.1 | 9.2 |
| 87.5° | 5.8 | 5.8 | 5.8 | 5.6 | 6.9 | 6.9 | 6.9 | 6.9 | 6.8 | 7.0 | 7.1 |
| 88° | 4.1 | 4.1 | 4.1 | 3.9 | 5.1 | 5.1 | 5.1 | 5.0 | 5.0 | 5.1 | 5.2 |
| 88.5° | 2.7 | 2.8 | 2.7 | 2.6 | 3.4 | 3.6 | 3.4 | 3.4 | 3.3 | 3.5 | 3.5 |
| 89° | 1.6 | 1.7 | 1.7 | 1.6 | 2.0 | 2.1 | 2.0 | 2.0 | 1.9 | 2.1 | 2.1 |
| 89.5° | 0.9 | 0.9 | 0.9 | 0.9 | 1.0 | 1.1 | 1.0 | 0.9 | 0.8 | 0.9 | 1.0 |

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



TEST NUMBER: P869684
CATALOG NUMBER: SMX14SLSFSD2W-1300LM-4000K

CANDELA DISTRIBUTION (continued):

| | | | | | | | | | | | |
|-----|-----|-------|-----|-------|-----|--------|------|--------|------|--------|------|
| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TEST NUMBER: P869684
 CATALOG NUMBER: SMX14SLSFSD2W-1300LM-4000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|-------|--------|-------|--------|-------|
| 0° | 472.4 | 472.4 | 472.4 | 472.4 | 472.4 | 472.4 |
| 0.5° | 472.0 | 473.0 | 472.6 | 472.4 | 472.2 | 472.1 |
| 1° | 471.8 | 472.8 | 473.0 | 472.1 | 472.0 | 472.1 |
| 1.5° | 472.0 | 473.0 | 472.7 | 472.4 | 471.7 | 471.9 |
| 2° | 471.7 | 472.5 | 472.3 | 472.1 | 471.8 | 471.8 |
| 2.5° | 471.8 | 472.3 | 472.0 | 471.7 | 472.0 | 471.7 |
| 3° | 471.5 | 471.7 | 471.6 | 471.6 | 471.8 | 471.0 |
| 3.5° | 471.1 | 471.3 | 471.6 | 471.1 | 471.7 | 470.8 |
| 4° | 471.0 | 471.1 | 471.5 | 470.7 | 471.1 | 470.7 |
| 4.5° | 470.6 | 470.7 | 470.9 | 470.5 | 470.9 | 470.4 |
| 5° | 469.8 | 470.4 | 470.2 | 470.3 | 470.2 | 470.1 |
| 5.5° | 469.4 | 470.0 | 470.0 | 470.4 | 469.9 | 469.8 |
| 6° | 468.7 | 469.4 | 469.2 | 469.7 | 469.5 | 469.5 |
| 6.5° | 468.4 | 468.8 | 468.7 | 469.4 | 468.7 | 469.2 |
| 7° | 467.9 | 468.3 | 468.1 | 468.5 | 468.1 | 468.7 |
| 7.5° | 467.8 | 468.0 | 467.7 | 467.8 | 468.0 | 468.1 |
| 8° | 466.9 | 467.5 | 466.8 | 467.3 | 467.1 | 467.3 |
| 8.5° | 466.2 | 466.9 | 466.5 | 466.8 | 466.2 | 466.8 |
| 9° | 465.4 | 466.0 | 466.0 | 465.9 | 465.7 | 466.4 |
| 9.5° | 464.5 | 465.5 | 465.0 | 465.2 | 465.0 | 465.7 |
| 10° | 464.1 | 464.7 | 464.1 | 464.4 | 464.5 | 465.1 |
| 10.5° | 463.1 | 463.8 | 463.5 | 463.7 | 464.0 | 464.5 |
| 11° | 462.3 | 462.6 | 462.9 | 462.7 | 463.0 | 463.8 |
| 11.5° | 461.4 | 461.6 | 462.2 | 461.5 | 462.3 | 462.9 |
| 12° | 460.5 | 460.8 | 461.4 | 460.8 | 461.4 | 461.9 |
| 12.5° | 459.7 | 459.9 | 460.4 | 460.3 | 461.1 | 461.0 |
| 13° | 458.9 | 458.9 | 459.4 | 459.2 | 459.9 | 460.1 |
| 13.5° | 457.8 | 457.8 | 458.1 | 458.4 | 458.8 | 459.1 |
| 14° | 456.8 | 456.4 | 456.8 | 457.8 | 457.8 | 457.8 |
| 14.5° | 455.5 | 455.2 | 455.4 | 456.5 | 456.4 | 456.4 |
| 15° | 454.5 | 454.2 | 454.1 | 455.5 | 455.1 | 455.1 |
| 15.5° | 453.2 | 453.1 | 453.1 | 454.6 | 453.9 | 453.6 |
| 16° | 452.1 | 451.9 | 451.6 | 453.5 | 452.2 | 452.4 |
| 16.5° | 450.8 | 450.6 | 450.6 | 452.2 | 451.1 | 451.0 |
| 17° | 449.4 | 449.3 | 449.3 | 450.6 | 449.7 | 449.8 |
| 17.5° | 448.1 | 448.1 | 447.8 | 449.2 | 448.1 | 448.3 |
| 18° | 446.7 | 446.8 | 446.6 | 447.9 | 446.9 | 447.0 |
| 18.5° | 445.4 | 445.5 | 445.2 | 446.2 | 445.2 | 445.5 |
| 19° | 444.1 | 444.1 | 443.9 | 444.8 | 443.6 | 444.0 |
| 19.5° | 442.4 | 442.6 | 442.7 | 443.2 | 442.2 | 442.5 |
| 20° | 441.0 | 441.0 | 441.5 | 441.5 | 440.8 | 440.9 |
| 20.5° | 439.3 | 439.4 | 440.0 | 440.0 | 439.5 | 439.5 |
| 21° | 437.8 | 437.7 | 438.4 | 438.6 | 438.0 | 437.9 |
| 21.5° | 436.1 | 436.0 | 437.0 | 436.9 | 436.7 | 436.2 |
| 22° | 434.6 | 434.6 | 435.6 | 435.2 | 434.9 | 434.7 |

TEST NUMBER: P869684
 CATALOG NUMBER: SMX14SLSFSD2W-1300LM-4000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|-------|--------|-------|--------|-------|
| 22.5° | 432.6 | 432.7 | 433.7 | 433.3 | 433.2 | 433.2 |
| 23° | 431.1 | 431.1 | 431.7 | 431.4 | 431.5 | 431.5 |
| 23.5° | 429.6 | 429.3 | 430.4 | 429.7 | 429.8 | 430.0 |
| 24° | 427.7 | 427.4 | 428.7 | 427.6 | 427.7 | 428.3 |
| 24.5° | 425.9 | 425.6 | 426.2 | 426.1 | 425.9 | 426.3 |
| 25° | 423.7 | 423.7 | 424.4 | 423.9 | 423.7 | 424.1 |
| 25.5° | 421.9 | 421.9 | 422.4 | 422.0 | 421.9 | 422.3 |
| 26° | 419.6 | 419.9 | 420.1 | 419.9 | 419.8 | 420.0 |
| 26.5° | 417.7 | 417.7 | 418.1 | 417.7 | 417.7 | 418.3 |
| 27° | 415.7 | 415.7 | 416.3 | 415.7 | 415.7 | 416.4 |
| 27.5° | 414.0 | 413.7 | 414.3 | 413.7 | 413.7 | 414.3 |
| 28° | 411.8 | 411.4 | 412.3 | 411.6 | 411.4 | 412.1 |
| 28.5° | 409.7 | 409.1 | 410.2 | 409.8 | 409.6 | 410.0 |
| 29° | 407.5 | 407.1 | 408.1 | 407.4 | 407.3 | 407.7 |
| 29.5° | 405.2 | 404.7 | 406.1 | 405.3 | 405.1 | 405.6 |
| 30° | 403.0 | 402.6 | 403.9 | 403.0 | 402.6 | 403.4 |
| 30.5° | 400.6 | 400.7 | 401.5 | 400.4 | 400.3 | 401.1 |
| 31° | 398.2 | 398.2 | 398.8 | 398.3 | 398.1 | 399.1 |
| 31.5° | 396.0 | 395.9 | 396.2 | 396.1 | 395.8 | 396.7 |
| 32° | 393.7 | 393.8 | 393.8 | 393.6 | 393.2 | 394.1 |
| 32.5° | 391.5 | 391.2 | 391.6 | 391.6 | 391.1 | 391.8 |
| 33° | 389.1 | 389.1 | 389.1 | 389.1 | 388.6 | 389.0 |
| 33.5° | 386.7 | 386.6 | 386.9 | 386.5 | 386.3 | 386.8 |
| 34° | 384.1 | 384.0 | 384.1 | 384.3 | 383.6 | 384.4 |
| 34.5° | 381.8 | 381.3 | 381.6 | 381.9 | 381.1 | 381.9 |
| 35° | 379.4 | 378.6 | 378.9 | 379.4 | 378.7 | 379.1 |
| 35.5° | 376.8 | 375.9 | 376.3 | 376.8 | 376.2 | 376.8 |
| 36° | 374.1 | 373.5 | 373.7 | 374.0 | 373.5 | 374.2 |
| 36.5° | 371.5 | 370.8 | 371.0 | 371.2 | 371.1 | 371.3 |
| 37° | 368.8 | 368.2 | 368.3 | 368.5 | 368.4 | 368.4 |
| 37.5° | 366.2 | 365.3 | 365.6 | 366.0 | 365.8 | 365.8 |
| 38° | 363.6 | 362.4 | 362.9 | 363.2 | 363.3 | 363.1 |
| 38.5° | 361.0 | 359.6 | 360.3 | 360.2 | 360.3 | 360.3 |
| 39° | 358.2 | 357.0 | 357.6 | 357.5 | 357.5 | 357.6 |
| 39.5° | 355.4 | 354.3 | 354.9 | 354.7 | 354.7 | 354.7 |
| 40° | 352.5 | 351.6 | 352.0 | 351.9 | 351.7 | 351.9 |
| 40.5° | 349.4 | 348.9 | 349.0 | 348.9 | 349.0 | 349.2 |
| 41° | 346.6 | 346.4 | 346.3 | 346.3 | 346.2 | 346.2 |
| 41.5° | 343.6 | 343.3 | 343.5 | 343.5 | 343.7 | 343.5 |
| 42° | 340.6 | 340.3 | 340.4 | 340.6 | 340.9 | 340.4 |
| 42.5° | 337.7 | 337.1 | 337.6 | 337.5 | 337.4 | 337.2 |
| 43° | 334.7 | 334.1 | 334.3 | 334.4 | 334.2 | 334.2 |
| 43.5° | 331.9 | 331.0 | 331.6 | 331.3 | 331.2 | 331.1 |
| 44° | 328.7 | 327.7 | 328.6 | 328.1 | 328.0 | 328.0 |
| 44.5° | 325.8 | 324.9 | 325.3 | 325.0 | 325.4 | 325.0 |

TEST NUMBER: P869684
 CATALOG NUMBER: SMX14SLSFSD2W-1300LM-4000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|-------|--------|-------|--------|-------|
| 45° | 322.6 | 321.7 | 322.2 | 322.0 | 322.1 | 321.7 |
| 45.5° | 319.6 | 318.5 | 319.0 | 318.8 | 318.5 | 318.3 |
| 46° | 316.3 | 315.4 | 315.8 | 315.7 | 315.3 | 315.3 |
| 46.5° | 313.0 | 312.0 | 312.8 | 312.4 | 312.1 | 312.5 |
| 47° | 309.8 | 308.6 | 309.8 | 309.3 | 309.1 | 309.4 |
| 47.5° | 306.5 | 305.3 | 306.5 | 305.9 | 306.1 | 306.3 |
| 48° | 303.2 | 302.1 | 303.1 | 302.6 | 303.0 | 302.8 |
| 48.5° | 300.1 | 299.0 | 299.7 | 299.3 | 299.6 | 299.4 |
| 49° | 296.5 | 295.7 | 296.3 | 295.9 | 295.8 | 296.1 |
| 49.5° | 293.2 | 292.4 | 293.1 | 292.5 | 292.3 | 292.8 |
| 50° | 290.0 | 289.0 | 289.6 | 289.2 | 289.3 | 289.5 |
| 50.5° | 286.6 | 285.6 | 286.1 | 285.8 | 285.8 | 285.8 |
| 51° | 283.3 | 282.2 | 282.7 | 282.3 | 282.1 | 282.4 |
| 51.5° | 279.7 | 278.5 | 279.0 | 278.9 | 278.5 | 278.9 |
| 52° | 276.3 | 275.1 | 275.7 | 275.4 | 275.0 | 275.5 |
| 52.5° | 272.6 | 271.4 | 272.2 | 272.1 | 271.6 | 271.9 |
| 53° | 269.3 | 268.1 | 268.4 | 268.4 | 268.1 | 268.4 |
| 53.5° | 265.8 | 264.6 | 265.0 | 264.9 | 264.5 | 264.7 |
| 54° | 262.3 | 261.0 | 261.0 | 261.1 | 261.1 | 261.1 |
| 54.5° | 258.6 | 257.4 | 257.7 | 257.2 | 257.2 | 257.3 |
| 55° | 255.0 | 254.0 | 254.0 | 253.5 | 253.7 | 253.9 |
| 55.5° | 251.4 | 250.4 | 250.5 | 249.8 | 250.1 | 250.4 |
| 56° | 248.1 | 246.6 | 246.8 | 246.1 | 246.4 | 246.7 |
| 56.5° | 244.2 | 242.9 | 243.0 | 242.6 | 242.8 | 243.0 |
| 57° | 240.4 | 239.0 | 239.3 | 238.8 | 239.0 | 239.1 |
| 57.5° | 236.7 | 235.4 | 235.6 | 235.1 | 235.1 | 235.1 |
| 58° | 233.0 | 231.5 | 231.6 | 231.8 | 231.3 | 231.6 |
| 58.5° | 229.2 | 227.8 | 227.8 | 227.9 | 227.8 | 227.7 |
| 59° | 225.4 | 223.9 | 223.9 | 224.1 | 224.1 | 223.8 |
| 59.5° | 221.3 | 220.1 | 219.9 | 220.1 | 220.2 | 219.9 |
| 60° | 217.3 | 216.3 | 216.2 | 216.2 | 216.2 | 216.3 |
| 60.5° | 213.7 | 212.4 | 212.3 | 212.2 | 212.0 | 212.7 |
| 61° | 210.0 | 208.4 | 208.6 | 208.1 | 208.2 | 208.5 |
| 61.5° | 206.0 | 204.4 | 204.8 | 204.1 | 204.5 | 204.6 |
| 62° | 202.0 | 200.7 | 200.8 | 200.2 | 200.3 | 200.6 |
| 62.5° | 198.1 | 196.6 | 196.8 | 196.3 | 196.2 | 196.7 |
| 63° | 194.1 | 192.5 | 192.7 | 192.5 | 192.2 | 192.6 |
| 63.5° | 190.0 | 188.5 | 188.8 | 188.3 | 188.1 | 188.6 |
| 64° | 186.3 | 184.4 | 184.7 | 184.3 | 184.2 | 184.5 |
| 64.5° | 181.9 | 180.4 | 180.7 | 180.4 | 180.3 | 180.7 |
| 65° | 178.1 | 176.3 | 176.5 | 176.3 | 176.1 | 176.7 |
| 65.5° | 174.0 | 172.3 | 172.4 | 172.1 | 172.2 | 172.5 |
| 66° | 169.7 | 168.0 | 168.1 | 168.1 | 168.1 | 168.4 |
| 66.5° | 165.6 | 163.9 | 164.0 | 164.0 | 164.2 | 164.1 |
| 67° | 161.8 | 159.6 | 159.9 | 159.7 | 160.3 | 159.8 |

TEST NUMBER: P869684
 CATALOG NUMBER: SMX14SLSFSD2W-1300LM-4000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|-------|--------|-------|--------|-------|
| 67.5° | 157.5 | 155.5 | 156.1 | 155.7 | 156.1 | 155.8 |
| 68° | 153.4 | 151.4 | 151.8 | 151.4 | 151.5 | 151.6 |
| 68.5° | 149.2 | 147.6 | 147.6 | 147.3 | 147.4 | 147.5 |
| 69° | 144.9 | 143.4 | 143.6 | 143.4 | 143.4 | 143.3 |
| 69.5° | 140.8 | 139.1 | 139.4 | 139.1 | 139.2 | 138.9 |
| 70° | 136.6 | 134.8 | 135.0 | 134.9 | 134.9 | 134.7 |
| 70.5° | 132.7 | 130.7 | 130.9 | 130.8 | 130.9 | 130.5 |
| 71° | 128.6 | 126.2 | 126.5 | 126.5 | 126.5 | 126.3 |
| 71.5° | 124.2 | 122.2 | 122.4 | 122.2 | 122.2 | 122.3 |
| 72° | 120.0 | 118.0 | 118.0 | 117.9 | 117.8 | 118.0 |
| 72.5° | 115.8 | 113.8 | 113.9 | 113.8 | 113.4 | 113.6 |
| 73° | 111.8 | 109.6 | 109.9 | 109.6 | 109.3 | 109.5 |
| 73.5° | 107.6 | 105.3 | 105.7 | 105.4 | 105.3 | 105.3 |
| 74° | 103.6 | 101.1 | 101.4 | 101.0 | 101.0 | 101.0 |
| 74.5° | 99.3 | 97.0 | 97.1 | 96.8 | 96.7 | 96.8 |
| 75° | 95.1 | 92.7 | 92.8 | 92.6 | 92.4 | 92.6 |
| 75.5° | 90.8 | 88.6 | 88.7 | 88.3 | 88.2 | 88.5 |
| 76° | 86.7 | 84.4 | 84.4 | 84.2 | 84.1 | 84.3 |
| 76.5° | 82.6 | 80.1 | 80.2 | 80.1 | 80.0 | 80.1 |
| 77° | 78.4 | 76.1 | 76.1 | 75.8 | 75.8 | 75.9 |
| 77.5° | 74.2 | 72.2 | 71.9 | 71.9 | 71.9 | 71.8 |
| 78° | 70.1 | 68.1 | 67.8 | 67.8 | 67.8 | 67.8 |
| 78.5° | 66.1 | 64.1 | 63.8 | 63.8 | 63.9 | 63.8 |
| 79° | 62.1 | 60.2 | 59.8 | 59.9 | 60.1 | 59.8 |
| 79.5° | 58.2 | 56.0 | 56.0 | 55.9 | 56.2 | 55.9 |
| 80° | 54.2 | 52.1 | 52.1 | 52.0 | 52.2 | 52.0 |
| 80.5° | 50.5 | 48.3 | 48.3 | 48.3 | 48.2 | 48.2 |
| 81° | 46.6 | 44.5 | 44.6 | 44.6 | 44.4 | 44.4 |
| 81.5° | 42.8 | 40.8 | 41.0 | 41.0 | 40.7 | 40.7 |
| 82° | 39.1 | 37.3 | 37.3 | 37.4 | 37.1 | 37.2 |
| 82.5° | 35.7 | 33.7 | 33.9 | 33.7 | 33.6 | 33.7 |
| 83° | 32.3 | 30.4 | 30.4 | 30.4 | 30.1 | 30.1 |
| 83.5° | 28.8 | 27.1 | 27.1 | 27.0 | 26.7 | 26.8 |
| 84° | 25.4 | 23.9 | 23.9 | 23.8 | 23.7 | 23.7 |
| 84.5° | 22.3 | 20.8 | 20.8 | 20.8 | 20.7 | 20.7 |
| 85° | 19.3 | 17.9 | 18.0 | 17.8 | 17.8 | 17.8 |
| 85.5° | 16.3 | 15.3 | 15.4 | 15.3 | 15.3 | 15.2 |
| 86° | 14.0 | 12.7 | 12.8 | 12.8 | 12.7 | 12.7 |
| 86.5° | 11.6 | 10.3 | 10.5 | 10.4 | 10.3 | 10.2 |
| 87° | 9.4 | 8.1 | 8.2 | 8.1 | 8.1 | 7.9 |
| 87.5° | 7.2 | 5.8 | 5.9 | 5.9 | 5.9 | 5.8 |
| 88° | 5.3 | 4.1 | 4.2 | 4.2 | 4.2 | 4.1 |
| 88.5° | 3.6 | 2.7 | 2.8 | 2.8 | 2.8 | 2.7 |
| 89° | 2.2 | 1.6 | 1.7 | 1.7 | 1.7 | 1.6 |
| 89.5° | 1.1 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269


NVLAP Lab Code: 200050-0



TEST NUMBER: P869684
CATALOG NUMBER: SMX14SLSFSD2W-1300LM-4000K

CANDELA DISTRIBUTION (continued):

| | | | | | | |
|-----|--------|------|--------|------|--------|------|
| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)