

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: HALO

Report Number: P938651

Luminaire Tested: SMX8RLSFSD2W-900LM-2700K

Issue Date: 1/9/2025

Test Information

Test Method: LM-79-2019
Report Number: P938651
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2405950-01A001)
Test Lab:
Issue Date: 1/9/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SMX8RLSFS2W-900LM-2700K
Description: 8IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 2700K CCT
Ballast/Driver: -

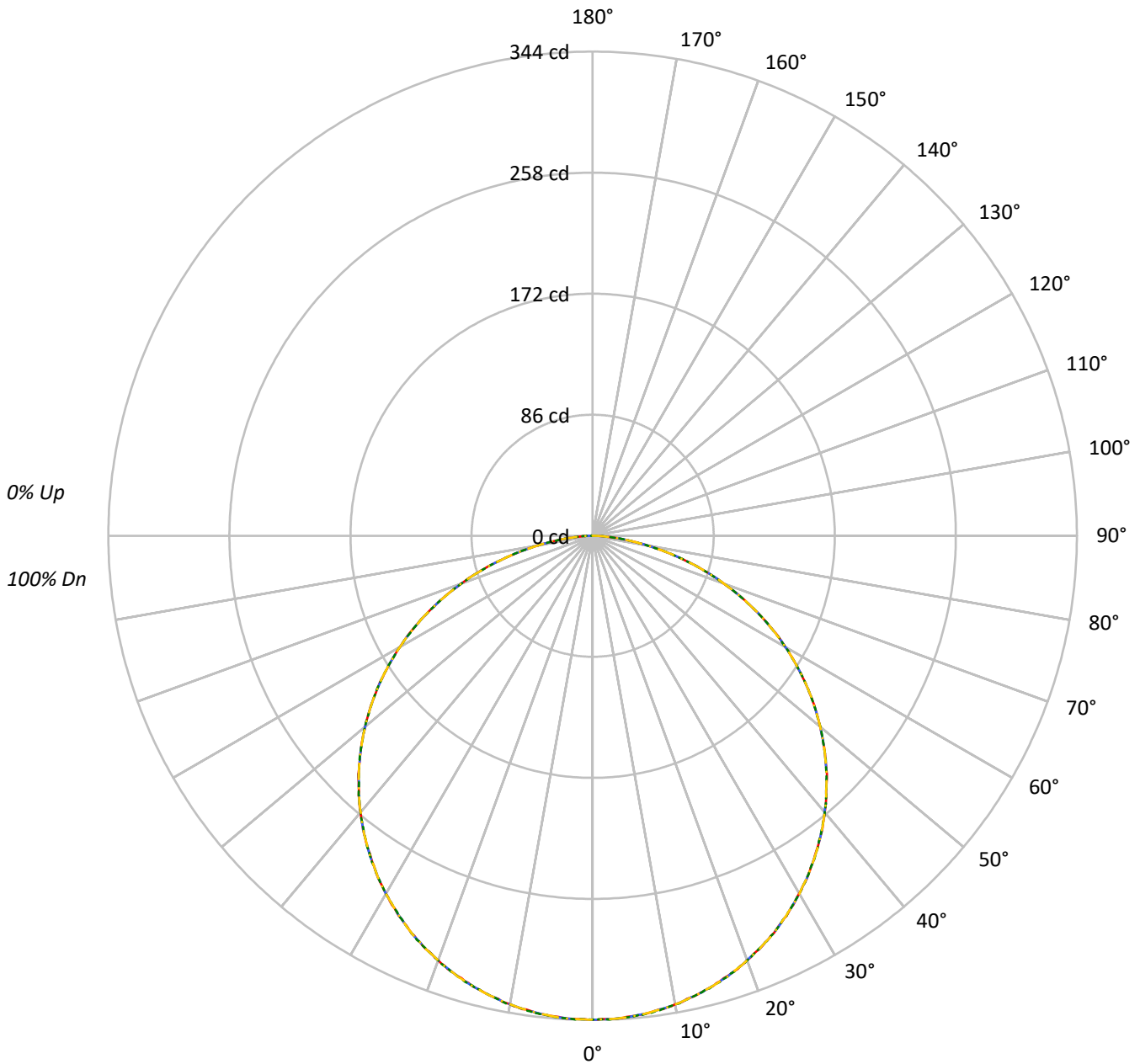
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1006.3 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
Luminous Opening: Circular (Dia: 0.75' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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: 24 FT

TEST NUMBER: P938651
CATALOG NUMBER: SMX8RLSFS2W-900LM-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P938651
 CATALOG NUMBER: SMX8RLSFS2W-900LM-2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|--|--|--|--|---|
| RF | 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 | 0 | | | | | |
| RCR | 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | | | | | |
| | 1 | 109 | 104 | 99 | 96 | 106 | 101 | 98 | 94 | 97 | 94 | 91 | 93 | 91 | 88 | 90 | 88 | 86 | 83 | | | | | | | |
| | 2 | 99 | 90 | 83 | 77 | 96 | 88 | 82 | 77 | 85 | 79 | 75 | 81 | 77 | 73 | 78 | 75 | 71 | 69 | | | | | | | |
| | 3 | 90 | 79 | 71 | 64 | 87 | 77 | 70 | 64 | 74 | 68 | 62 | 72 | 66 | 61 | 69 | 64 | 60 | 58 | | | | | | | |
| | 4 | 82 | 70 | 61 | 54 | 80 | 69 | 60 | 54 | 66 | 59 | 53 | 64 | 57 | 52 | 61 | 56 | 52 | 49 | | | | | | | |
| | 5 | 75 | 62 | 53 | 47 | 73 | 61 | 53 | 46 | 59 | 52 | 46 | 57 | 50 | 45 | 55 | 49 | 45 | 43 | | | | | | | |
| | 6 | 70 | 56 | 47 | 41 | 68 | 55 | 47 | 40 | 53 | 46 | 40 | 52 | 45 | 40 | 50 | 44 | 39 | 37 | | | | | | | |
| | 7 | 64 | 51 | 42 | 36 | 63 | 50 | 42 | 36 | 48 | 41 | 35 | 47 | 40 | 35 | 46 | 39 | 35 | 33 | | | | | | | |
| | 8 | 60 | 46 | 38 | 32 | 58 | 46 | 37 | 32 | 44 | 37 | 31 | 43 | 36 | 31 | 42 | 36 | 31 | 29 | | | | | | | |
| | 9 | 56 | 42 | 34 | 29 | 55 | 42 | 34 | 28 | 41 | 33 | 28 | 40 | 33 | 28 | 39 | 32 | 28 | 26 | | | | | | | |
| | 10 | 52 | 39 | 31 | 26 | 51 | 39 | 31 | 26 | 38 | 31 | 26 | 37 | 30 | 26 | 36 | 30 | 25 | 24 | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|------|------|------|------|
| 0° | 8377 | 8377 | 8377 | 8377 |
| 5° | 8374 | 8379 | 8374 | 8379 |
| 10° | 8362 | 8365 | 8362 | 8365 |
| 15° | 8354 | 8344 | 8354 | 8344 |
| 20° | 8318 | 8323 | 8318 | 8323 |
| 25° | 8299 | 8302 | 8299 | 8302 |
| 30° | 8260 | 8263 | 8260 | 8263 |
| 35° | 8206 | 8212 | 8206 | 8212 |
| 40° | 8161 | 8158 | 8161 | 8158 |
| 45° | 8094 | 8080 | 8094 | 8080 |
| 50° | 7998 | 8005 | 7998 | 8005 |
| 55° | 7880 | 7888 | 7880 | 7888 |
| 60° | 7709 | 7704 | 7709 | 7704 |
| 65° | 7454 | 7460 | 7454 | 7460 |
| 70° | 7067 | 7060 | 7067 | 7060 |
| 75° | 6458 | 6467 | 6458 | 6467 |
| 80° | 5528 | 5542 | 5528 | 5542 |
| 85° | 4165 | 4221 | 4165 | 4221 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8094 cd/sqm



TEST NUMBER: P938651
 CATALOG NUMBER: SMX8RLSFSD2W-900LM-2700K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 32.5 | 3.2 |
| 10°-20° | 93.4 | 9.3 |
| 20°-30° | 142.2 | 14.1 |
| 30°-40° | 172.8 | 17.2 |
| 40°-50° | 181.0 | 18.0 |
| 50°-60° | 165.6 | 16.5 |
| 60°-70° | 127.7 | 12.7 |
| 70°-80° | 72.6 | 7.2 |
| 80°-90° | 18.4 | 1.8 |
| 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° | 268.2 | 26.7 |
| 0°-40° | 440.9 | 43.8 |
| 0°-60° | 787.5 | 78.3 |
| 0°-90° | 1006.3 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1006.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|-----|-----|------|------|------|------|
| 0° | 344 | 344 | 344 | 344 | 344 | |
| 5° | 342 | 343 | 342 | 343 | 342 | 33 |
| 15° | 331 | 331 | 331 | 331 | 331 | 93 |
| 25° | 309 | 309 | 309 | 309 | 309 | 142 |
| 35° | 276 | 276 | 276 | 276 | 276 | 173 |
| 45° | 235 | 234 | 235 | 234 | 235 | 181 |
| 55° | 186 | 186 | 186 | 186 | 186 | 166 |
| 65° | 129 | 129 | 129 | 129 | 129 | 128 |
| 75° | 69 | 69 | 69 | 69 | 69 | 73 |
| 85° | 15 | 15 | 15 | 15 | 15 | 18 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P938651

CATALOG NUMBER: SMX8RLSFSD2W-900LM-2700K

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 0° | 343.8 | 343.8 | 343.8 | 343.8 | 343.8 | 343.8 | 343.8 | 343.8 | 343.8 | 343.8 | 343.8 |
| 0.5° | 343.9 | 343.5 | 343.9 | 344.2 | 343.7 | 344.2 | 343.9 | 343.5 | 343.9 | 343.5 | 343.9 |
| 1° | 343.5 | 343.5 | 343.7 | 343.9 | 343.7 | 343.9 | 343.7 | 343.5 | 343.5 | 343.5 | 343.7 |
| 1.5° | 343.6 | 343.5 | 343.7 | 343.7 | 343.5 | 343.7 | 343.7 | 343.5 | 343.6 | 343.5 | 343.7 |
| 2° | 343.6 | 343.5 | 343.7 | 343.7 | 344.0 | 343.7 | 343.7 | 343.5 | 343.6 | 343.5 | 343.7 |
| 2.5° | 343.6 | 343.3 | 343.5 | 343.5 | 343.5 | 343.5 | 343.5 | 343.3 | 343.6 | 343.3 | 343.5 |
| 3° | 343.4 | 343.2 | 343.5 | 343.2 | 343.4 | 343.2 | 343.5 | 343.2 | 343.4 | 343.2 | 343.5 |
| 3.5° | 343.2 | 342.9 | 343.0 | 343.3 | 343.3 | 343.3 | 343.0 | 342.9 | 343.2 | 342.9 | 343.0 |
| 4° | 342.7 | 342.8 | 343.0 | 342.8 | 343.0 | 342.8 | 343.0 | 342.8 | 342.7 | 342.8 | 343.0 |
| 4.5° | 342.5 | 342.7 | 342.8 | 342.8 | 343.0 | 342.8 | 342.8 | 342.7 | 342.5 | 342.7 | 342.8 |
| 5° | 342.4 | 342.3 | 342.4 | 342.4 | 342.6 | 342.4 | 342.4 | 342.3 | 342.4 | 342.3 | 342.4 |
| 5.5° | 342.2 | 341.8 | 341.9 | 342.2 | 342.2 | 342.2 | 341.9 | 341.8 | 342.2 | 341.8 | 341.9 |
| 6° | 341.8 | 341.5 | 341.9 | 341.6 | 342.3 | 341.6 | 341.9 | 341.5 | 341.8 | 341.5 | 341.9 |
| 6.5° | 341.6 | 341.3 | 341.4 | 341.3 | 341.5 | 341.3 | 341.4 | 341.3 | 341.6 | 341.3 | 341.4 |
| 7° | 341.0 | 340.8 | 341.0 | 341.0 | 341.5 | 341.0 | 341.0 | 340.8 | 341.0 | 340.8 | 341.0 |
| 7.5° | 340.4 | 340.6 | 340.4 | 340.7 | 340.8 | 340.7 | 340.4 | 340.6 | 340.4 | 340.6 | 340.4 |
| 8° | 339.9 | 340.2 | 340.1 | 339.9 | 340.6 | 339.9 | 340.1 | 340.2 | 339.9 | 340.2 | 340.1 |
| 8.5° | 340.1 | 339.6 | 339.7 | 339.3 | 339.7 | 339.3 | 339.7 | 339.6 | 340.1 | 339.6 | 339.7 |
| 9° | 339.2 | 339.2 | 339.2 | 339.2 | 339.4 | 339.2 | 339.2 | 339.2 | 339.2 | 339.2 | 339.2 |
| 9.5° | 338.9 | 338.4 | 338.5 | 338.5 | 338.6 | 338.5 | 338.5 | 338.4 | 338.9 | 338.4 | 338.5 |
| 10° | 338.0 | 338.1 | 338.1 | 338.3 | 338.1 | 338.3 | 338.1 | 338.1 | 338.0 | 338.1 | 338.1 |
| 10.5° | 337.6 | 337.1 | 337.6 | 337.6 | 338.0 | 337.6 | 337.6 | 337.1 | 337.6 | 337.1 | 337.6 |
| 11° | 337.1 | 336.5 | 336.7 | 337.0 | 337.0 | 337.0 | 336.7 | 336.5 | 337.1 | 336.5 | 336.7 |
| 11.5° | 335.8 | 336.1 | 336.2 | 336.3 | 336.2 | 336.3 | 336.2 | 336.1 | 335.8 | 336.1 | 336.2 |
| 12° | 335.5 | 335.6 | 335.2 | 335.3 | 335.4 | 335.3 | 335.2 | 335.6 | 335.5 | 335.6 | 335.2 |
| 12.5° | 334.9 | 334.8 | 334.8 | 334.9 | 334.9 | 334.9 | 334.8 | 334.8 | 334.9 | 334.8 | 334.8 |
| 13° | 334.1 | 334.2 | 334.2 | 334.0 | 334.0 | 334.0 | 334.2 | 334.2 | 334.1 | 334.2 | 334.2 |
| 13.5° | 333.2 | 333.3 | 333.5 | 333.5 | 333.4 | 333.5 | 333.5 | 333.3 | 333.2 | 333.3 | 333.5 |
| 14° | 332.4 | 332.6 | 332.4 | 332.7 | 332.2 | 332.7 | 332.4 | 332.6 | 332.4 | 332.6 | 332.4 |
| 14.5° | 331.7 | 331.6 | 331.7 | 331.7 | 332.1 | 331.7 | 331.7 | 331.6 | 331.7 | 331.6 | 331.7 |
| 15° | 331.2 | 330.7 | 331.0 | 330.8 | 330.8 | 330.8 | 331.0 | 330.7 | 331.2 | 330.7 | 331.0 |
| 15.5° | 329.8 | 329.8 | 330.1 | 330.0 | 330.1 | 330.0 | 330.1 | 329.8 | 329.8 | 329.8 | 330.1 |
| 16° | 329.2 | 329.1 | 329.2 | 329.4 | 329.6 | 329.4 | 329.2 | 329.1 | 329.2 | 329.1 | 329.2 |
| 16.5° | 327.9 | 328.2 | 328.2 | 328.1 | 328.3 | 328.1 | 328.2 | 328.2 | 327.9 | 328.2 | 328.2 |
| 17° | 327.3 | 327.1 | 327.6 | 327.1 | 327.5 | 327.1 | 327.6 | 327.1 | 327.3 | 327.1 | 327.6 |
| 17.5° | 326.3 | 326.0 | 326.3 | 326.4 | 326.2 | 326.4 | 326.3 | 326.0 | 326.3 | 326.0 | 326.3 |
| 18° | 325.3 | 325.3 | 325.3 | 325.3 | 325.7 | 325.3 | 325.3 | 325.3 | 325.3 | 325.3 | 325.3 |
| 18.5° | 324.6 | 324.2 | 324.2 | 324.3 | 324.2 | 324.3 | 324.2 | 324.2 | 324.6 | 324.2 | 324.2 |
| 19° | 323.2 | 323.2 | 323.4 | 323.1 | 323.3 | 323.1 | 323.4 | 323.2 | 323.2 | 323.2 | 323.4 |
| 19.5° | 322.3 | 322.1 | 322.1 | 322.2 | 322.4 | 322.2 | 322.1 | 322.1 | 322.3 | 322.1 | 322.1 |
| 20° | 320.8 | 320.7 | 321.1 | 320.9 | 321.0 | 320.9 | 321.1 | 320.7 | 320.8 | 320.7 | 321.1 |
| 20.5° | 320.1 | 320.0 | 319.7 | 319.8 | 320.1 | 319.8 | 319.7 | 320.0 | 320.1 | 320.0 | 319.7 |
| 21° | 318.5 | 318.9 | 318.7 | 318.8 | 318.7 | 318.8 | 318.7 | 318.9 | 318.5 | 318.9 | 318.7 |



TEST NUMBER: P938651

CATALOG NUMBER: SMX8RLSFSD2W-900LM-2700K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 22.5° | 315.3 | 315.1 | 315.1 | 315.3 | 315.4 | 315.3 | 315.1 | 315.1 | 315.3 | 315.1 | 315.1 |
| 23° | 313.9 | 313.8 | 313.9 | 314.0 | 313.7 | 314.0 | 313.9 | 313.8 | 313.9 | 313.8 | 313.9 |
| 23.5° | 312.8 | 312.5 | 312.7 | 312.8 | 313.0 | 312.8 | 312.7 | 312.5 | 312.8 | 312.5 | 312.7 |
| 24° | 311.1 | 311.2 | 311.6 | 311.2 | 311.4 | 311.2 | 311.6 | 311.2 | 311.1 | 311.2 | 311.6 |
| 24.5° | 310.3 | 309.8 | 310.1 | 309.9 | 310.2 | 309.9 | 310.1 | 309.8 | 310.3 | 309.8 | 310.1 |
| 25° | 308.7 | 308.7 | 308.8 | 308.7 | 308.8 | 308.7 | 308.8 | 308.7 | 308.7 | 308.7 | 308.8 |
| 25.5° | 307.1 | 306.9 | 307.3 | 307.1 | 307.3 | 307.1 | 307.3 | 306.9 | 307.1 | 306.9 | 307.3 |
| 26° | 305.8 | 305.8 | 305.7 | 305.8 | 305.7 | 305.8 | 305.7 | 305.8 | 305.8 | 305.8 | 305.7 |
| 26.5° | 304.2 | 304.2 | 304.2 | 304.3 | 304.1 | 304.3 | 304.2 | 304.2 | 304.2 | 304.2 | 304.2 |
| 27° | 303.2 | 303.0 | 302.9 | 302.8 | 303.2 | 302.8 | 302.9 | 303.0 | 303.2 | 303.0 | 302.9 |
| 27.5° | 301.4 | 301.1 | 301.3 | 301.3 | 301.1 | 301.3 | 301.3 | 301.1 | 301.4 | 301.1 | 301.3 |
| 28° | 299.7 | 299.9 | 299.9 | 300.1 | 299.8 | 300.1 | 299.9 | 299.9 | 299.7 | 299.9 | 299.9 |
| 28.5° | 298.7 | 298.4 | 298.2 | 298.1 | 298.2 | 298.1 | 298.2 | 298.4 | 298.7 | 298.4 | 298.2 |
| 29° | 296.9 | 296.8 | 296.8 | 296.9 | 296.6 | 296.9 | 296.8 | 296.8 | 296.9 | 296.8 | 296.8 |
| 29.5° | 295.0 | 294.9 | 295.1 | 295.0 | 295.2 | 295.0 | 295.1 | 294.9 | 295.0 | 294.9 | 295.1 |
| 30° | 293.6 | 293.5 | 293.8 | 293.6 | 293.7 | 293.6 | 293.8 | 293.5 | 293.6 | 293.5 | 293.8 |
| 30.5° | 292.2 | 291.7 | 291.9 | 292.0 | 292.0 | 292.0 | 291.9 | 291.7 | 292.2 | 291.7 | 291.9 |
| 31° | 290.2 | 290.3 | 290.2 | 290.2 | 290.2 | 290.2 | 290.2 | 290.3 | 290.2 | 290.3 | 290.2 |
| 31.5° | 288.8 | 288.6 | 288.6 | 288.6 | 288.8 | 288.6 | 288.6 | 288.6 | 288.8 | 288.6 | 288.6 |
| 32° | 287.2 | 286.8 | 287.1 | 286.8 | 286.8 | 286.8 | 287.1 | 286.8 | 287.2 | 286.8 | 287.1 |
| 32.5° | 285.3 | 285.2 | 285.2 | 285.2 | 285.4 | 285.2 | 285.2 | 285.2 | 285.3 | 285.2 | 285.2 |
| 33° | 283.4 | 283.2 | 283.4 | 283.5 | 283.2 | 283.5 | 283.4 | 283.2 | 283.4 | 283.2 | 283.4 |
| 33.5° | 281.4 | 281.6 | 281.4 | 281.5 | 281.4 | 281.5 | 281.4 | 281.6 | 281.4 | 281.6 | 281.4 |
| 34° | 279.8 | 279.9 | 279.8 | 279.6 | 280.0 | 279.6 | 279.8 | 279.9 | 279.8 | 279.9 | 279.8 |
| 34.5° | 277.9 | 278.0 | 278.1 | 278.1 | 278.2 | 278.1 | 278.1 | 278.0 | 277.9 | 278.0 | 278.1 |
| 35° | 275.9 | 276.3 | 276.3 | 276.2 | 276.1 | 276.2 | 276.3 | 276.3 | 275.9 | 276.3 | 276.3 |
| 35.5° | 274.2 | 274.1 | 274.5 | 274.2 | 274.3 | 274.2 | 274.5 | 274.1 | 274.2 | 274.1 | 274.5 |
| 36° | 272.3 | 272.2 | 272.4 | 272.3 | 272.6 | 272.3 | 272.4 | 272.2 | 272.3 | 272.2 | 272.4 |
| 36.5° | 270.6 | 270.5 | 270.4 | 270.5 | 270.3 | 270.5 | 270.4 | 270.5 | 270.6 | 270.5 | 270.4 |
| 37° | 268.5 | 268.2 | 268.6 | 268.3 | 268.4 | 268.3 | 268.6 | 268.2 | 268.5 | 268.2 | 268.6 |
| 37.5° | 266.8 | 266.3 | 266.6 | 266.6 | 266.6 | 266.6 | 266.6 | 266.3 | 266.8 | 266.3 | 266.6 |
| 38° | 264.9 | 264.5 | 264.8 | 264.6 | 264.5 | 264.6 | 264.8 | 264.5 | 264.9 | 264.5 | 264.8 |
| 38.5° | 262.7 | 262.6 | 262.8 | 262.7 | 262.5 | 262.7 | 262.8 | 262.6 | 262.7 | 262.6 | 262.8 |
| 39° | 260.6 | 260.9 | 260.6 | 260.6 | 260.5 | 260.6 | 260.6 | 260.9 | 260.6 | 260.9 | 260.6 |
| 39.5° | 258.7 | 258.6 | 258.4 | 258.4 | 258.8 | 258.4 | 258.4 | 258.6 | 258.7 | 258.6 | 258.4 |
| 40° | 256.6 | 256.5 | 256.3 | 256.5 | 256.5 | 256.5 | 256.3 | 256.5 | 256.6 | 256.5 | 256.3 |
| 40.5° | 254.6 | 254.3 | 254.3 | 254.4 | 254.5 | 254.4 | 254.3 | 254.3 | 254.6 | 254.3 | 254.3 |
| 41° | 252.4 | 252.0 | 252.6 | 252.3 | 252.5 | 252.3 | 252.6 | 252.0 | 252.4 | 252.0 | 252.6 |
| 41.5° | 250.2 | 250.1 | 250.2 | 250.1 | 250.1 | 250.1 | 250.2 | 250.1 | 250.2 | 250.1 | 250.2 |
| 42° | 248.3 | 247.8 | 247.9 | 248.0 | 248.3 | 248.0 | 247.9 | 247.8 | 248.3 | 247.8 | 247.9 |
| 42.5° | 245.8 | 245.8 | 245.6 | 245.8 | 245.9 | 245.8 | 245.6 | 245.8 | 245.8 | 245.8 | 245.6 |
| 43° | 243.6 | 243.6 | 243.6 | 243.6 | 243.5 | 243.6 | 243.6 | 243.6 | 243.6 | 243.6 | 243.6 |
| 43.5° | 241.4 | 241.3 | 241.3 | 241.5 | 241.2 | 241.5 | 241.3 | 241.3 | 241.4 | 241.3 | 241.3 |



TEST NUMBER: P938651

CATALOG NUMBER: SMX8RLSFSD2W-900LM-2700K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 45° | 234.9 | 234.7 | 234.7 | 234.6 | 234.5 | 234.6 | 234.7 | 234.7 | 234.9 | 234.7 | 234.7 |
| 45.5° | 232.6 | 232.4 | 232.4 | 232.3 | 232.4 | 232.3 | 232.4 | 232.4 | 232.6 | 232.4 | 232.4 |
| 46° | 230.1 | 230.1 | 230.0 | 230.0 | 230.3 | 230.0 | 230.0 | 230.1 | 230.1 | 230.1 | 230.0 |
| 46.5° | 227.8 | 227.8 | 227.7 | 227.7 | 228.0 | 227.7 | 227.7 | 227.8 | 227.8 | 227.8 | 227.7 |
| 47° | 225.5 | 225.5 | 225.4 | 225.3 | 225.5 | 225.3 | 225.4 | 225.5 | 225.5 | 225.5 | 225.4 |
| 47.5° | 223.1 | 223.0 | 223.1 | 223.0 | 223.0 | 223.0 | 223.1 | 223.0 | 223.1 | 223.0 | 223.1 |
| 48° | 220.7 | 220.6 | 220.6 | 220.6 | 220.6 | 220.6 | 220.6 | 220.6 | 220.7 | 220.6 | 220.6 |
| 48.5° | 218.3 | 218.3 | 218.3 | 218.3 | 218.2 | 218.3 | 218.3 | 218.3 | 218.3 | 218.3 | 218.3 |
| 49° | 215.8 | 215.9 | 215.8 | 215.8 | 216.0 | 215.8 | 215.8 | 215.9 | 215.8 | 215.9 | 215.8 |
| 49.5° | 213.4 | 213.5 | 213.3 | 213.3 | 213.5 | 213.3 | 213.3 | 213.5 | 213.4 | 213.5 | 213.3 |
| 50° | 211.0 | 211.0 | 210.9 | 210.9 | 211.2 | 210.9 | 210.9 | 211.0 | 211.0 | 211.0 | 210.9 |
| 50.5° | 208.6 | 208.5 | 208.5 | 208.3 | 208.6 | 208.3 | 208.5 | 208.5 | 208.6 | 208.5 | 208.5 |
| 51° | 206.0 | 205.9 | 206.0 | 205.8 | 205.9 | 205.8 | 206.0 | 205.9 | 206.0 | 205.9 | 206.0 |
| 51.5° | 203.5 | 203.5 | 203.4 | 203.4 | 203.4 | 203.4 | 203.4 | 203.5 | 203.5 | 203.5 | 203.4 |
| 52° | 201.0 | 201.0 | 200.9 | 201.0 | 201.0 | 201.0 | 200.9 | 201.0 | 201.0 | 201.0 | 200.9 |
| 52.5° | 198.6 | 198.4 | 198.5 | 198.6 | 198.4 | 198.6 | 198.5 | 198.4 | 198.6 | 198.4 | 198.5 |
| 53° | 195.9 | 195.9 | 195.9 | 195.8 | 196.0 | 195.8 | 195.9 | 195.9 | 195.9 | 195.9 | 195.9 |
| 53.5° | 193.4 | 193.4 | 193.4 | 193.2 | 193.2 | 193.2 | 193.4 | 193.4 | 193.4 | 193.4 | 193.4 |
| 54° | 190.6 | 190.6 | 190.8 | 190.7 | 190.7 | 190.7 | 190.8 | 190.6 | 190.6 | 190.6 | 190.8 |
| 54.5° | 188.2 | 188.0 | 188.2 | 187.9 | 188.3 | 187.9 | 188.2 | 188.0 | 188.2 | 188.0 | 188.2 |
| 55° | 185.5 | 185.5 | 185.4 | 185.3 | 185.7 | 185.3 | 185.4 | 185.5 | 185.5 | 185.5 | 185.4 |
| 55.5° | 183.0 | 182.8 | 182.8 | 182.6 | 182.7 | 182.6 | 182.8 | 182.8 | 183.0 | 182.8 | 182.8 |
| 56° | 180.0 | 180.2 | 180.2 | 180.0 | 180.2 | 180.0 | 180.2 | 180.2 | 180.0 | 180.2 | 180.2 |
| 56.5° | 177.5 | 177.5 | 177.4 | 177.4 | 177.4 | 177.4 | 177.4 | 177.5 | 177.5 | 177.5 | 177.4 |
| 57° | 174.4 | 174.5 | 174.7 | 174.6 | 174.6 | 174.6 | 174.7 | 174.5 | 174.4 | 174.5 | 174.7 |
| 57.5° | 171.9 | 171.9 | 172.0 | 171.8 | 172.1 | 171.8 | 172.0 | 171.9 | 171.9 | 171.9 | 172.0 |
| 58° | 169.2 | 169.4 | 169.2 | 169.1 | 169.3 | 169.1 | 169.2 | 169.4 | 169.2 | 169.4 | 169.2 |
| 58.5° | 166.6 | 166.6 | 166.4 | 166.5 | 166.3 | 166.5 | 166.4 | 166.6 | 166.6 | 166.6 | 166.4 |
| 59° | 163.8 | 163.8 | 163.8 | 163.6 | 163.8 | 163.6 | 163.8 | 163.8 | 163.8 | 163.8 | 163.8 |
| 59.5° | 161.1 | 161.1 | 160.9 | 160.7 | 161.1 | 160.7 | 160.9 | 161.1 | 161.1 | 161.1 | 160.9 |
| 60° | 158.2 | 158.2 | 158.2 | 158.2 | 158.1 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 |
| 60.5° | 155.3 | 155.4 | 155.4 | 155.4 | 155.2 | 155.4 | 155.4 | 155.4 | 155.3 | 155.4 | 155.4 |
| 61° | 152.6 | 152.6 | 152.6 | 152.5 | 152.6 | 152.5 | 152.6 | 152.6 | 152.6 | 152.6 | 152.6 |
| 61.5° | 149.9 | 149.8 | 149.6 | 149.7 | 149.8 | 149.7 | 149.6 | 149.8 | 149.9 | 149.8 | 149.6 |
| 62° | 147.0 | 146.9 | 146.8 | 146.7 | 146.7 | 146.7 | 146.8 | 146.9 | 147.0 | 146.9 | 146.8 |
| 62.5° | 144.0 | 144.0 | 143.9 | 143.8 | 143.9 | 143.8 | 143.9 | 144.0 | 144.0 | 144.0 | 143.9 |
| 63° | 140.9 | 141.1 | 141.1 | 141.1 | 141.0 | 141.1 | 141.1 | 141.1 | 140.9 | 141.1 | 141.1 |
| 63.5° | 138.2 | 138.1 | 138.1 | 138.1 | 138.2 | 138.1 | 138.1 | 138.1 | 138.2 | 138.1 | 138.1 |
| 64° | 135.2 | 135.1 | 135.2 | 135.2 | 135.2 | 135.2 | 135.2 | 135.1 | 135.2 | 135.1 | 135.2 |
| 64.5° | 132.5 | 132.3 | 132.3 | 132.0 | 132.4 | 132.0 | 132.3 | 132.3 | 132.5 | 132.3 | 132.3 |
| 65° | 129.3 | 129.4 | 129.3 | 129.1 | 129.4 | 129.1 | 129.3 | 129.4 | 129.3 | 129.4 | 129.3 |
| 65.5° | 126.2 | 126.3 | 126.3 | 126.3 | 126.3 | 126.3 | 126.3 | 126.3 | 126.2 | 126.3 | 126.3 |
| 66° | 123.3 | 123.5 | 123.3 | 123.3 | 123.3 | 123.3 | 123.3 | 123.5 | 123.3 | 123.5 | 123.3 |



TEST NUMBER: P938651

CATALOG NUMBER: SMX8RLSFS2W-900LM-2700K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 67.5° | 114.3 | 114.4 | 114.4 | 114.2 | 114.2 | 114.2 | 114.4 | 114.4 | 114.3 | 114.4 | 114.4 |
| 68° | 111.5 | 111.5 | 111.3 | 111.2 | 111.3 | 111.2 | 111.3 | 111.5 | 111.5 | 111.5 | 111.3 |
| 68.5° | 108.3 | 108.4 | 108.3 | 108.4 | 108.5 | 108.4 | 108.3 | 108.4 | 108.3 | 108.4 | 108.3 |
| 69° | 105.3 | 105.3 | 105.3 | 105.4 | 105.4 | 105.4 | 105.3 | 105.3 | 105.3 | 105.3 | 105.3 |
| 69.5° | 102.1 | 102.2 | 102.3 | 102.3 | 102.3 | 102.3 | 102.3 | 102.2 | 102.1 | 102.2 | 102.3 |
| 70° | 99.2 | 99.3 | 99.2 | 99.2 | 99.1 | 99.2 | 99.2 | 99.3 | 99.2 | 99.3 | 99.2 |
| 70.5° | 96.3 | 96.2 | 96.1 | 96.2 | 96.2 | 96.2 | 96.1 | 96.2 | 96.3 | 96.2 | 96.1 |
| 71° | 93.3 | 93.2 | 93.2 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 | 93.3 | 93.2 | 93.2 |
| 71.5° | 90.2 | 90.1 | 90.1 | 90.1 | 90.0 | 90.1 | 90.1 | 90.1 | 90.2 | 90.1 | 90.1 |
| 72° | 87.1 | 87.1 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1 | 87.1 | 87.0 |
| 72.5° | 84.1 | 84.0 | 84.0 | 83.9 | 84.0 | 83.9 | 84.0 | 84.0 | 84.1 | 84.0 | 84.0 |
| 73° | 80.8 | 80.8 | 80.8 | 80.9 | 80.8 | 80.9 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| 73.5° | 77.9 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.9 | 77.8 | 77.8 |
| 74° | 74.8 | 74.8 | 74.8 | 74.7 | 74.8 | 74.7 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 |
| 74.5° | 71.8 | 71.7 | 71.7 | 71.6 | 71.6 | 71.6 | 71.7 | 71.7 | 71.8 | 71.7 | 71.7 |
| 75° | 68.6 | 68.7 | 68.6 | 68.7 | 68.7 | 68.7 | 68.6 | 68.7 | 68.6 | 68.7 | 68.6 |
| 75.5° | 65.7 | 65.6 | 65.6 | 65.5 | 65.5 | 65.5 | 65.6 | 65.6 | 65.7 | 65.6 | 65.6 |
| 76° | 62.7 | 62.7 | 62.6 | 62.6 | 62.7 | 62.6 | 62.6 | 62.7 | 62.7 | 62.7 | 62.6 |
| 76.5° | 59.7 | 59.6 | 59.6 | 59.6 | 59.8 | 59.6 | 59.6 | 59.6 | 59.7 | 59.6 | 59.6 |
| 77° | 56.8 | 56.8 | 56.6 | 56.7 | 56.7 | 56.7 | 56.6 | 56.8 | 56.8 | 56.8 | 56.6 |
| 77.5° | 53.8 | 53.8 | 53.8 | 53.8 | 53.7 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 |
| 78° | 50.8 | 50.9 | 50.8 | 50.9 | 50.9 | 50.9 | 50.8 | 50.9 | 50.8 | 50.9 | 50.8 |
| 78.5° | 47.9 | 47.9 | 47.9 | 47.9 | 48.0 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 |
| 79° | 45.0 | 45.1 | 44.9 | 45.0 | 45.0 | 45.0 | 44.9 | 45.1 | 45.0 | 45.1 | 44.9 |
| 79.5° | 42.3 | 42.2 | 42.2 | 42.2 | 42.3 | 42.2 | 42.2 | 42.2 | 42.3 | 42.2 | 42.2 |
| 80° | 39.4 | 39.4 | 39.4 | 39.5 | 39.5 | 39.5 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 |
| 80.5° | 36.7 | 36.7 | 36.7 | 36.7 | 36.6 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 |
| 81° | 34.0 | 34.1 | 34.0 | 34.0 | 34.1 | 34.0 | 34.0 | 34.1 | 34.0 | 34.1 | 34.0 |
| 81.5° | 31.5 | 31.5 | 31.5 | 31.4 | 31.5 | 31.4 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 |
| 82° | 29.0 | 29.0 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 29.0 | 29.0 | 29.0 | 28.9 |
| 82.5° | 26.4 | 26.4 | 26.4 | 26.3 | 26.4 | 26.3 | 26.4 | 26.4 | 26.4 | 26.4 | 26.4 |
| 83° | 24.0 | 24.0 | 24.0 | 23.9 | 24.0 | 23.9 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| 83.5° | 21.6 | 21.6 | 21.5 | 21.5 | 21.5 | 21.5 | 21.5 | 21.6 | 21.6 | 21.6 | 21.5 |
| 84° | 19.3 | 19.3 | 19.3 | 19.2 | 19.3 | 19.2 | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 |
| 84.5° | 17.2 | 17.2 | 17.0 | 17.1 | 17.1 | 17.1 | 17.0 | 17.2 | 17.2 | 17.2 | 17.0 |
| 85° | 14.9 | 15.0 | 15.0 | 15.0 | 15.1 | 15.0 | 15.0 | 15.0 | 14.9 | 15.0 | 15.0 |
| 85.5° | 12.9 | 12.9 | 13.0 | 13.1 | 13.2 | 13.1 | 13.0 | 12.9 | 12.9 | 12.9 | 13.0 |
| 86° | 11.1 | 11.1 | 11.2 | 11.3 | 11.3 | 11.3 | 11.2 | 11.1 | 11.1 | 11.1 | 11.2 |
| 86.5° | 9.5 | 9.5 | 9.4 | 9.5 | 9.9 | 9.5 | 9.4 | 9.5 | 9.5 | 9.5 | 9.4 |
| 87° | 7.9 | 7.9 | 7.9 | 8.0 | 8.1 | 8.0 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 |
| 87.5° | 6.5 | 6.5 | 6.5 | 6.7 | 6.8 | 6.7 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 |
| 88° | 5.3 | 5.3 | 5.3 | 5.4 | 5.5 | 5.4 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 88.5° | 4.2 | 4.2 | 4.2 | 4.2 | 4.4 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |



TEST NUMBER: P938651
CATALOG NUMBER: SMX8RLSFSD2W-900LM-2700K

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: P938651

CATALOG NUMBER: SMX8RLSFS2W-900LM-2700K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|-------|--------|-------|--------|-------|
| 0° | 343.8 | 343.8 | 343.8 | 343.8 | 343.8 | 343.8 |
| 0.5° | 344.2 | 343.7 | 344.2 | 343.9 | 343.5 | 343.9 |
| 1° | 343.9 | 343.7 | 343.9 | 343.7 | 343.5 | 343.5 |
| 1.5° | 343.7 | 343.5 | 343.7 | 343.7 | 343.5 | 343.6 |
| 2° | 343.7 | 344.0 | 343.7 | 343.7 | 343.5 | 343.6 |
| 2.5° | 343.5 | 343.5 | 343.5 | 343.5 | 343.3 | 343.6 |
| 3° | 343.2 | 343.4 | 343.2 | 343.5 | 343.2 | 343.4 |
| 3.5° | 343.3 | 343.3 | 343.3 | 343.0 | 342.9 | 343.2 |
| 4° | 342.8 | 343.0 | 342.8 | 343.0 | 342.8 | 342.7 |
| 4.5° | 342.8 | 343.0 | 342.8 | 342.8 | 342.7 | 342.5 |
| 5° | 342.4 | 342.6 | 342.4 | 342.4 | 342.3 | 342.4 |
| 5.5° | 342.2 | 342.2 | 342.2 | 341.9 | 341.8 | 342.2 |
| 6° | 341.6 | 342.3 | 341.6 | 341.9 | 341.5 | 341.8 |
| 6.5° | 341.3 | 341.5 | 341.3 | 341.4 | 341.3 | 341.6 |
| 7° | 341.0 | 341.5 | 341.0 | 341.0 | 340.8 | 341.0 |
| 7.5° | 340.7 | 340.8 | 340.7 | 340.4 | 340.6 | 340.4 |
| 8° | 339.9 | 340.6 | 339.9 | 340.1 | 340.2 | 339.9 |
| 8.5° | 339.3 | 339.7 | 339.3 | 339.7 | 339.6 | 340.1 |
| 9° | 339.2 | 339.4 | 339.2 | 339.2 | 339.2 | 339.2 |
| 9.5° | 338.5 | 338.6 | 338.5 | 338.5 | 338.4 | 338.9 |
| 10° | 338.3 | 338.1 | 338.3 | 338.1 | 338.1 | 338.0 |
| 10.5° | 337.6 | 338.0 | 337.6 | 337.6 | 337.1 | 337.6 |
| 11° | 337.0 | 337.0 | 337.0 | 336.7 | 336.5 | 337.1 |
| 11.5° | 336.3 | 336.2 | 336.3 | 336.2 | 336.1 | 335.8 |
| 12° | 335.3 | 335.4 | 335.3 | 335.2 | 335.6 | 335.5 |
| 12.5° | 334.9 | 334.9 | 334.9 | 334.8 | 334.8 | 334.9 |
| 13° | 334.0 | 334.0 | 334.0 | 334.2 | 334.2 | 334.1 |
| 13.5° | 333.5 | 333.4 | 333.5 | 333.5 | 333.3 | 333.2 |
| 14° | 332.7 | 332.2 | 332.7 | 332.4 | 332.6 | 332.4 |
| 14.5° | 331.7 | 332.1 | 331.7 | 331.7 | 331.6 | 331.7 |
| 15° | 330.8 | 330.8 | 330.8 | 331.0 | 330.7 | 331.2 |
| 15.5° | 330.0 | 330.1 | 330.0 | 330.1 | 329.8 | 329.8 |
| 16° | 329.4 | 329.6 | 329.4 | 329.2 | 329.1 | 329.2 |
| 16.5° | 328.1 | 328.3 | 328.1 | 328.2 | 328.2 | 327.9 |
| 17° | 327.1 | 327.5 | 327.1 | 327.6 | 327.1 | 327.3 |
| 17.5° | 326.4 | 326.2 | 326.4 | 326.3 | 326.0 | 326.3 |
| 18° | 325.3 | 325.7 | 325.3 | 325.3 | 325.3 | 325.3 |
| 18.5° | 324.3 | 324.2 | 324.3 | 324.2 | 324.2 | 324.6 |
| 19° | 323.1 | 323.3 | 323.1 | 323.4 | 323.2 | 323.2 |
| 19.5° | 322.2 | 322.4 | 322.2 | 322.1 | 322.1 | 322.3 |
| 20° | 320.9 | 321.0 | 320.9 | 321.1 | 320.7 | 320.8 |
| 20.5° | 319.8 | 320.1 | 319.8 | 319.7 | 320.0 | 320.1 |
| 21° | 318.8 | 318.7 | 318.8 | 318.7 | 318.9 | 318.5 |

TEST NUMBER: P938651

CATALOG NUMBER: SMX8RLSFSD2W-900LM-2700K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|-------|--------|-------|--------|-------|
| 22.5° | 315.3 | 315.4 | 315.3 | 315.1 | 315.1 | 315.3 |
| 23° | 314.0 | 313.7 | 314.0 | 313.9 | 313.8 | 313.9 |
| 23.5° | 312.8 | 313.0 | 312.8 | 312.7 | 312.5 | 312.8 |
| 24° | 311.2 | 311.4 | 311.2 | 311.6 | 311.2 | 311.1 |
| 24.5° | 309.9 | 310.2 | 309.9 | 310.1 | 309.8 | 310.3 |
| 25° | 308.7 | 308.8 | 308.7 | 308.8 | 308.7 | 308.7 |
| 25.5° | 307.1 | 307.3 | 307.1 | 307.3 | 306.9 | 307.1 |
| 26° | 305.8 | 305.7 | 305.8 | 305.7 | 305.8 | 305.8 |
| 26.5° | 304.3 | 304.1 | 304.3 | 304.2 | 304.2 | 304.2 |
| 27° | 302.8 | 303.2 | 302.8 | 302.9 | 303.0 | 303.2 |
| 27.5° | 301.3 | 301.1 | 301.3 | 301.3 | 301.1 | 301.4 |
| 28° | 300.1 | 299.8 | 300.1 | 299.9 | 299.9 | 299.7 |
| 28.5° | 298.1 | 298.2 | 298.1 | 298.2 | 298.4 | 298.7 |
| 29° | 296.9 | 296.6 | 296.9 | 296.8 | 296.8 | 296.9 |
| 29.5° | 295.0 | 295.2 | 295.0 | 295.1 | 294.9 | 295.0 |
| 30° | 293.6 | 293.7 | 293.6 | 293.8 | 293.5 | 293.6 |
| 30.5° | 292.0 | 292.0 | 292.0 | 291.9 | 291.7 | 292.2 |
| 31° | 290.2 | 290.2 | 290.2 | 290.2 | 290.3 | 290.2 |
| 31.5° | 288.6 | 288.8 | 288.6 | 288.6 | 288.6 | 288.8 |
| 32° | 286.8 | 286.8 | 286.8 | 287.1 | 286.8 | 287.2 |
| 32.5° | 285.2 | 285.4 | 285.2 | 285.2 | 285.2 | 285.3 |
| 33° | 283.5 | 283.2 | 283.5 | 283.4 | 283.2 | 283.4 |
| 33.5° | 281.5 | 281.4 | 281.5 | 281.4 | 281.6 | 281.4 |
| 34° | 279.6 | 280.0 | 279.6 | 279.8 | 279.9 | 279.8 |
| 34.5° | 278.1 | 278.2 | 278.1 | 278.1 | 278.0 | 277.9 |
| 35° | 276.2 | 276.1 | 276.2 | 276.3 | 276.3 | 275.9 |
| 35.5° | 274.2 | 274.3 | 274.2 | 274.5 | 274.1 | 274.2 |
| 36° | 272.3 | 272.6 | 272.3 | 272.4 | 272.2 | 272.3 |
| 36.5° | 270.5 | 270.3 | 270.5 | 270.4 | 270.5 | 270.6 |
| 37° | 268.3 | 268.4 | 268.3 | 268.6 | 268.2 | 268.5 |
| 37.5° | 266.6 | 266.6 | 266.6 | 266.6 | 266.3 | 266.8 |
| 38° | 264.6 | 264.5 | 264.6 | 264.8 | 264.5 | 264.9 |
| 38.5° | 262.7 | 262.5 | 262.7 | 262.8 | 262.6 | 262.7 |
| 39° | 260.6 | 260.5 | 260.6 | 260.6 | 260.9 | 260.6 |
| 39.5° | 258.4 | 258.8 | 258.4 | 258.4 | 258.6 | 258.7 |
| 40° | 256.5 | 256.5 | 256.5 | 256.3 | 256.5 | 256.6 |
| 40.5° | 254.4 | 254.5 | 254.4 | 254.3 | 254.3 | 254.6 |
| 41° | 252.3 | 252.5 | 252.3 | 252.6 | 252.0 | 252.4 |
| 41.5° | 250.1 | 250.1 | 250.1 | 250.2 | 250.1 | 250.2 |
| 42° | 248.0 | 248.3 | 248.0 | 247.9 | 247.8 | 248.3 |
| 42.5° | 245.8 | 245.9 | 245.8 | 245.6 | 245.8 | 245.8 |
| 43° | 243.6 | 243.5 | 243.6 | 243.6 | 243.6 | 243.6 |
| 43.5° | 241.5 | 241.2 | 241.5 | 241.3 | 241.3 | 241.4 |



TEST NUMBER: P938651
 CATALOG NUMBER: SMX8RLSFSD2W-900LM-2700K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|-------|--------|-------|--------|-------|
| 45° | 234.6 | 234.5 | 234.6 | 234.7 | 234.7 | 234.9 |
| 45.5° | 232.3 | 232.4 | 232.3 | 232.4 | 232.4 | 232.6 |
| 46° | 230.0 | 230.3 | 230.0 | 230.0 | 230.1 | 230.1 |
| 46.5° | 227.7 | 228.0 | 227.7 | 227.7 | 227.8 | 227.8 |
| 47° | 225.3 | 225.5 | 225.3 | 225.4 | 225.5 | 225.5 |
| 47.5° | 223.0 | 223.0 | 223.0 | 223.1 | 223.0 | 223.1 |
| 48° | 220.6 | 220.6 | 220.6 | 220.6 | 220.6 | 220.7 |
| 48.5° | 218.3 | 218.2 | 218.3 | 218.3 | 218.3 | 218.3 |
| 49° | 215.8 | 216.0 | 215.8 | 215.8 | 215.9 | 215.8 |
| 49.5° | 213.3 | 213.5 | 213.3 | 213.3 | 213.5 | 213.4 |
| 50° | 210.9 | 211.2 | 210.9 | 210.9 | 211.0 | 211.0 |
| 50.5° | 208.3 | 208.6 | 208.3 | 208.5 | 208.5 | 208.6 |
| 51° | 205.8 | 205.9 | 205.8 | 206.0 | 205.9 | 206.0 |
| 51.5° | 203.4 | 203.4 | 203.4 | 203.4 | 203.5 | 203.5 |
| 52° | 201.0 | 201.0 | 201.0 | 200.9 | 201.0 | 201.0 |
| 52.5° | 198.6 | 198.4 | 198.6 | 198.5 | 198.4 | 198.6 |
| 53° | 195.8 | 196.0 | 195.8 | 195.9 | 195.9 | 195.9 |
| 53.5° | 193.2 | 193.2 | 193.2 | 193.4 | 193.4 | 193.4 |
| 54° | 190.7 | 190.7 | 190.7 | 190.8 | 190.6 | 190.6 |
| 54.5° | 187.9 | 188.3 | 187.9 | 188.2 | 188.0 | 188.2 |
| 55° | 185.3 | 185.7 | 185.3 | 185.4 | 185.5 | 185.5 |
| 55.5° | 182.6 | 182.7 | 182.6 | 182.8 | 182.8 | 183.0 |
| 56° | 180.0 | 180.2 | 180.0 | 180.2 | 180.2 | 180.0 |
| 56.5° | 177.4 | 177.4 | 177.4 | 177.4 | 177.5 | 177.5 |
| 57° | 174.6 | 174.6 | 174.6 | 174.7 | 174.5 | 174.4 |
| 57.5° | 171.8 | 172.1 | 171.8 | 172.0 | 171.9 | 171.9 |
| 58° | 169.1 | 169.3 | 169.1 | 169.2 | 169.4 | 169.2 |
| 58.5° | 166.5 | 166.3 | 166.5 | 166.4 | 166.6 | 166.6 |
| 59° | 163.6 | 163.8 | 163.6 | 163.8 | 163.8 | 163.8 |
| 59.5° | 160.7 | 161.1 | 160.7 | 160.9 | 161.1 | 161.1 |
| 60° | 158.2 | 158.1 | 158.2 | 158.2 | 158.2 | 158.2 |
| 60.5° | 155.4 | 155.2 | 155.4 | 155.4 | 155.4 | 155.3 |
| 61° | 152.5 | 152.6 | 152.5 | 152.6 | 152.6 | 152.6 |
| 61.5° | 149.7 | 149.8 | 149.7 | 149.6 | 149.8 | 149.9 |
| 62° | 146.7 | 146.7 | 146.7 | 146.8 | 146.9 | 147.0 |
| 62.5° | 143.8 | 143.9 | 143.8 | 143.9 | 144.0 | 144.0 |
| 63° | 141.1 | 141.0 | 141.1 | 141.1 | 141.1 | 140.9 |
| 63.5° | 138.1 | 138.2 | 138.1 | 138.1 | 138.1 | 138.2 |
| 64° | 135.2 | 135.2 | 135.2 | 135.2 | 135.1 | 135.2 |
| 64.5° | 132.0 | 132.4 | 132.0 | 132.3 | 132.3 | 132.5 |
| 65° | 129.1 | 129.4 | 129.1 | 129.3 | 129.4 | 129.3 |
| 65.5° | 126.3 | 126.3 | 126.3 | 126.3 | 126.3 | 126.2 |
| 66° | 123.3 | 123.3 | 123.3 | 123.3 | 123.5 | 123.3 |



TEST NUMBER: P938651
 CATALOG NUMBER: SMX8RLSFSD2W-900LM-2700K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|-------|--------|-------|--------|-------|
| 67.5° | 114.2 | 114.2 | 114.2 | 114.4 | 114.4 | 114.3 |
| 68° | 111.2 | 111.3 | 111.2 | 111.3 | 111.5 | 111.5 |
| 68.5° | 108.4 | 108.5 | 108.4 | 108.3 | 108.4 | 108.3 |
| 69° | 105.4 | 105.4 | 105.4 | 105.3 | 105.3 | 105.3 |
| 69.5° | 102.3 | 102.3 | 102.3 | 102.3 | 102.2 | 102.1 |
| 70° | 99.2 | 99.1 | 99.2 | 99.2 | 99.3 | 99.2 |
| 70.5° | 96.2 | 96.2 | 96.2 | 96.1 | 96.2 | 96.3 |
| 71° | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 | 93.3 |
| 71.5° | 90.1 | 90.0 | 90.1 | 90.1 | 90.1 | 90.2 |
| 72° | 87.0 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1 |
| 72.5° | 83.9 | 84.0 | 83.9 | 84.0 | 84.0 | 84.1 |
| 73° | 80.9 | 80.8 | 80.9 | 80.8 | 80.8 | 80.8 |
| 73.5° | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.9 |
| 74° | 74.7 | 74.8 | 74.7 | 74.8 | 74.8 | 74.8 |
| 74.5° | 71.6 | 71.6 | 71.6 | 71.7 | 71.7 | 71.8 |
| 75° | 68.7 | 68.7 | 68.7 | 68.6 | 68.7 | 68.6 |
| 75.5° | 65.5 | 65.5 | 65.5 | 65.6 | 65.6 | 65.7 |
| 76° | 62.6 | 62.7 | 62.6 | 62.6 | 62.7 | 62.7 |
| 76.5° | 59.6 | 59.8 | 59.6 | 59.6 | 59.6 | 59.7 |
| 77° | 56.7 | 56.7 | 56.7 | 56.6 | 56.8 | 56.8 |
| 77.5° | 53.8 | 53.7 | 53.8 | 53.8 | 53.8 | 53.8 |
| 78° | 50.9 | 50.9 | 50.9 | 50.8 | 50.9 | 50.8 |
| 78.5° | 47.9 | 48.0 | 47.9 | 47.9 | 47.9 | 47.9 |
| 79° | 45.0 | 45.0 | 45.0 | 44.9 | 45.1 | 45.0 |
| 79.5° | 42.2 | 42.3 | 42.2 | 42.2 | 42.2 | 42.3 |
| 80° | 39.5 | 39.5 | 39.5 | 39.4 | 39.4 | 39.4 |
| 80.5° | 36.7 | 36.6 | 36.7 | 36.7 | 36.7 | 36.7 |
| 81° | 34.0 | 34.1 | 34.0 | 34.0 | 34.1 | 34.0 |
| 81.5° | 31.4 | 31.5 | 31.4 | 31.5 | 31.5 | 31.5 |
| 82° | 28.9 | 28.9 | 28.9 | 28.9 | 29.0 | 29.0 |
| 82.5° | 26.3 | 26.4 | 26.3 | 26.4 | 26.4 | 26.4 |
| 83° | 23.9 | 24.0 | 23.9 | 24.0 | 24.0 | 24.0 |
| 83.5° | 21.5 | 21.5 | 21.5 | 21.5 | 21.6 | 21.6 |
| 84° | 19.2 | 19.3 | 19.2 | 19.3 | 19.3 | 19.3 |
| 84.5° | 17.1 | 17.1 | 17.1 | 17.0 | 17.2 | 17.2 |
| 85° | 15.0 | 15.1 | 15.0 | 15.0 | 15.0 | 14.9 |
| 85.5° | 13.1 | 13.2 | 13.1 | 13.0 | 12.9 | 12.9 |
| 86° | 11.3 | 11.3 | 11.3 | 11.2 | 11.1 | 11.1 |
| 86.5° | 9.5 | 9.9 | 9.5 | 9.4 | 9.5 | 9.5 |
| 87° | 8.0 | 8.1 | 8.0 | 7.9 | 7.9 | 7.9 |
| 87.5° | 6.7 | 6.8 | 6.7 | 6.5 | 6.5 | 6.5 |
| 88° | 5.4 | 5.5 | 5.4 | 5.3 | 5.3 | 5.3 |
| 88.5° | 4.2 | 4.4 | 4.2 | 4.2 | 4.2 | 4.2 |



TEST NUMBER: P938651
CATALOG NUMBER: SMX8RLSFSD2W-900LM-2700K

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 |

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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

Scaled Data Report





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

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

Scaled Data Report



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

Scaled Data Report





| | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 21.5° | 317.4 | 317.5 | 317.7 | 317.5 | 317.5 | 317.7 | 317.5 | 317.4 | 317.5 | 317.7 |
| 22° | 316.6 | 316.0 | 316.6 | 316.2 | 316.2 | 316.6 | 316.0 | 316.6 | 316.0 | 316.6 |



| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 44° | 239.6 | 239.2 | 239.2 | 239.2 | 239.2 | 239.2 | 239.2 | 239.2 | 239.6 | 239.2 | 239.2 |
| 44.5° | 237.4 | 237.1 | 236.9 | 237.1 | 237.0 | 237.1 | 236.9 | 237.1 | 237.4 | 237.1 | 236.9 |



| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 66.5° | 120.4 | 120.3 | 120.3 | 120.3 | 120.4 | 120.3 | 120.3 | 120.3 | 120.4 | 120.3 | 120.3 |
| 67° | 117.4 | 117.3 | 117.3 | 117.3 | 117.4 | 117.3 | 117.3 | 117.3 | 117.4 | 117.3 | 117.3 |



| | | | | | | | | | | | |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 89° | 3.4 | 3.3 | 3.3 | 3.3 | 3.5 | 3.3 | 3.3 | 3.3 | 3.4 | 3.3 | 3.3 |
| 89.5° | 2.6 | 2.6 | 2.6 | 2.6 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |

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

Scaled Data Report





| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 21.5° | 317.5 | 317.5 | 317.5 | 317.7 | 317.5 | 317.4 |
| 22° | 316.2 | 316.3 | 316.2 | 316.6 | 316.0 | 316.6 |



| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 44° | 239.2 | 239.2 | 239.2 | 239.2 | 239.2 | 239.6 |
| 44.5° | 237.1 | 237.0 | 237.1 | 236.9 | 237.1 | 237.4 |



| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 66.5° | 120.3 | 120.4 | 120.3 | 120.3 | 120.3 | 120.4 |
| 67° | 117.3 | 117.4 | 117.3 | 117.3 | 117.3 | 117.4 |

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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



| | | | | | | |
|-------|-----|-----|-----|-----|-----|-----|
| 89° | 3.3 | 3.5 | 3.3 | 3.3 | 3.3 | 3.4 |
| 89.5° | 2.6 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 |

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)