

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: P938622

Luminaire Tested: SMX4RLSFSD2W-800LM-3000K

Issue Date: 1/9/2025



Test Information

Test Method: LM-79-2019
Report Number: P938622
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2405915A001)
Test Lab:
Issue Date: 1/9/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SMX4RLSFSD2W-800LM-3000K
Description: 4IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 3000K CCT
Ballast/Driver: -

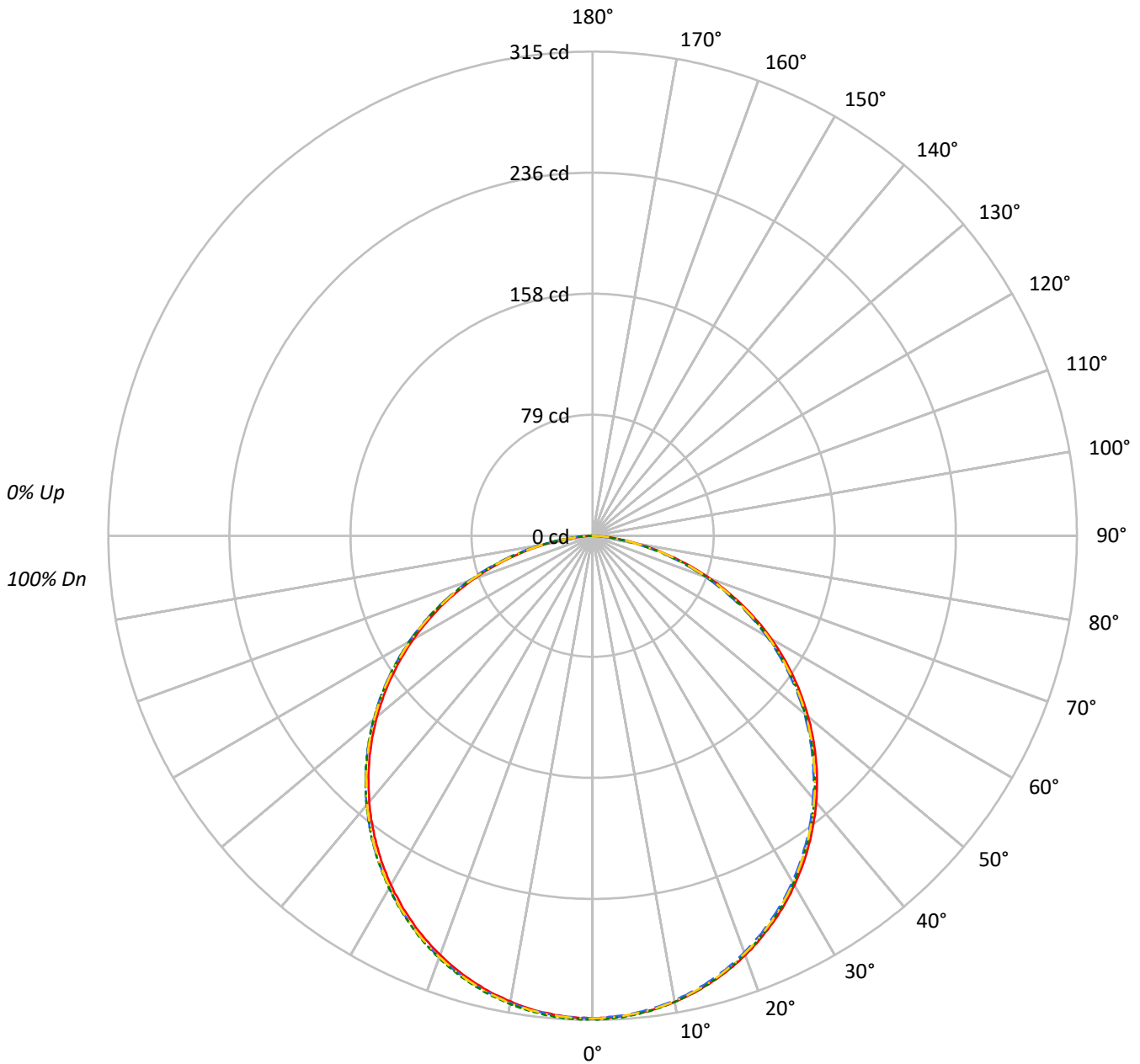
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 874.7 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 8.8
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: P938622
CATALOG NUMBER: SMX4RLSFS2W-800LM-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P938622
 CATALOG NUMBER: SMX4RLSFSD2W-800LM-3000K

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 | 100 | 96 | 106 | 102 | 98 | 95 | 98 | 95 | 92 | 94 | 91 | 89 | 90 | 88 | 86 | 84 | | | | | | | | |
| 2 | 99 | 91 | 84 | 78 | 96 | 89 | 83 | 77 | 85 | 80 | 76 | 82 | 78 | 74 | 79 | 75 | 72 | 70 | | | | | | | | |
| 3 | 90 | 80 | 72 | 65 | 88 | 78 | 71 | 65 | 75 | 69 | 63 | 72 | 67 | 62 | 70 | 65 | 61 | 59 | | | | | | | | |
| 4 | 83 | 71 | 62 | 55 | 80 | 69 | 61 | 55 | 67 | 60 | 54 | 64 | 58 | 53 | 62 | 57 | 53 | 50 | | | | | | | | |
| 5 | 76 | 63 | 54 | 48 | 74 | 62 | 54 | 47 | 60 | 52 | 47 | 58 | 51 | 46 | 56 | 50 | 46 | 44 | | | | | | | | |
| 6 | 70 | 57 | 48 | 41 | 68 | 56 | 47 | 41 | 54 | 47 | 41 | 52 | 46 | 41 | 51 | 45 | 40 | 38 | | | | | | | | |
| 7 | 65 | 52 | 43 | 37 | 63 | 51 | 42 | 36 | 49 | 42 | 36 | 48 | 41 | 36 | 46 | 40 | 36 | 34 | | | | | | | | |
| 8 | 61 | 47 | 38 | 33 | 59 | 46 | 38 | 33 | 45 | 38 | 32 | 44 | 37 | 32 | 43 | 36 | 32 | 30 | | | | | | | | |
| 9 | 57 | 43 | 35 | 29 | 55 | 43 | 35 | 29 | 41 | 34 | 29 | 40 | 34 | 29 | 39 | 33 | 29 | 27 | | | | | | | | |
| 10 | 53 | 40 | 32 | 27 | 52 | 39 | 32 | 27 | 38 | 31 | 26 | 37 | 31 | 26 | 36 | 31 | 26 | 24 | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 39529 | 39529 | 39529 | 39529 |
| 5° | 39466 | 39516 | 39440 | 39592 |
| 10° | 39347 | 39360 | 39309 | 39526 |
| 15° | 39139 | 39061 | 39126 | 39373 |
| 20° | 38892 | 38799 | 38852 | 39133 |
| 25° | 38561 | 38381 | 38506 | 38839 |
| 30° | 38161 | 37943 | 38132 | 38480 |
| 35° | 37686 | 37425 | 37686 | 38055 |
| 40° | 37145 | 36833 | 37145 | 37572 |
| 45° | 36557 | 36147 | 36521 | 37002 |
| 50° | 35829 | 35340 | 35829 | 36377 |
| 55° | 34952 | 34360 | 34952 | 35611 |
| 60° | 33778 | 33124 | 33854 | 34584 |
| 65° | 32220 | 31446 | 32429 | 33233 |
| 70° | 29915 | 28995 | 30283 | 31166 |
| 75° | 26500 | 25479 | 27133 | 28202 |
| 80° | 21235 | 19930 | 22322 | 23482 |
| 85° | 13429 | 11696 | 14728 | 16461 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 247.5°
 Vertical Angle: 45°
 Luminance: 37251 cd/sqm



TEST NUMBER: P938622
 CATALOG NUMBER: SMX4RLSFS2W-800LM-3000K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 29.7 | 3.4 |
| 10°-20° | 84.8 | 9.7 |
| 20°-30° | 127.9 | 14.6 |
| 30°-40° | 153.4 | 17.5 |
| 40°-50° | 158.3 | 18.1 |
| 50°-60° | 142.3 | 16.3 |
| 60°-70° | 107.1 | 12.2 |
| 70°-80° | 58.4 | 6.7 |
| 80°-90° | 12.8 | 1.5 |
| 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° | 242.4 | 27.7 |
| 0°-40° | 395.8 | 45.2 |
| 0°-60° | 696.4 | 79.6 |
| 0°-90° | 874.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 874.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|-----|-----|------|------|------|------|
| 0° | 314 | 314 | 314 | 314 | 314 | |
| 5° | 312 | 313 | 312 | 313 | 312 | 30 |
| 15° | 300 | 300 | 300 | 302 | 300 | 85 |
| 25° | 278 | 276 | 277 | 280 | 278 | 128 |
| 35° | 245 | 244 | 245 | 248 | 245 | 153 |
| 45° | 205 | 203 | 205 | 208 | 205 | 158 |
| 55° | 159 | 157 | 159 | 162 | 159 | 142 |
| 65° | 108 | 106 | 109 | 112 | 108 | 107 |
| 75° | 54 | 52 | 56 | 58 | 54 | 58 |
| 85° | 9 | 8 | 10 | 11 | 9 | 12 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P938622

CATALOG NUMBER: SMX4RLSFSD2W-800LM-3000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 0° | 314.1 | 314.1 | 314.1 | 314.1 | 314.1 | 314.1 | 314.1 | 314.1 | 314.1 | 314.1 | 314.1 |
| 0.5° | 313.9 | 313.8 | 313.9 | 313.4 | 314.8 | 314.6 | 313.9 | 313.8 | 313.8 | 313.7 | 313.8 |
| 1° | 313.7 | 313.7 | 313.4 | 313.5 | 314.5 | 314.3 | 314.0 | 314.0 | 313.7 | 314.1 | 313.7 |
| 1.5° | 313.7 | 313.6 | 313.6 | 313.1 | 314.6 | 314.3 | 313.6 | 313.6 | 313.8 | 313.7 | 313.7 |
| 2° | 313.7 | 313.6 | 313.1 | 313.1 | 314.3 | 314.2 | 313.7 | 313.8 | 313.6 | 313.6 | 313.7 |
| 2.5° | 313.6 | 313.4 | 313.2 | 312.8 | 314.2 | 313.8 | 313.5 | 313.5 | 313.4 | 313.5 | 313.5 |
| 3° | 313.3 | 313.2 | 312.8 | 312.7 | 313.7 | 313.8 | 313.4 | 313.6 | 313.4 | 313.4 | 313.4 |
| 3.5° | 313.1 | 312.9 | 312.7 | 312.2 | 314.0 | 313.7 | 313.1 | 313.0 | 313.1 | 313.2 | 313.2 |
| 4° | 313.0 | 312.8 | 312.2 | 312.2 | 313.4 | 313.2 | 312.7 | 313.1 | 312.8 | 313.1 | 313.1 |
| 4.5° | 312.8 | 312.3 | 312.1 | 311.8 | 313.1 | 313.1 | 312.4 | 312.5 | 312.8 | 313.0 | 312.9 |
| 5° | 312.4 | 312.2 | 311.7 | 311.5 | 312.8 | 312.5 | 312.2 | 312.5 | 312.2 | 312.7 | 312.5 |
| 5.5° | 311.9 | 311.8 | 311.4 | 311.0 | 312.7 | 312.5 | 311.9 | 311.7 | 311.9 | 312.5 | 312.6 |
| 6° | 311.7 | 311.3 | 311.0 | 310.7 | 312.0 | 311.8 | 311.5 | 311.7 | 311.7 | 311.8 | 312.0 |
| 6.5° | 311.4 | 311.0 | 310.5 | 310.2 | 311.7 | 311.6 | 311.2 | 310.9 | 311.3 | 311.6 | 311.6 |
| 7° | 311.0 | 310.6 | 310.3 | 309.7 | 311.4 | 311.0 | 310.6 | 311.0 | 310.9 | 311.0 | 311.5 |
| 7.5° | 310.6 | 310.1 | 309.6 | 309.2 | 310.7 | 310.7 | 310.4 | 310.1 | 310.4 | 310.9 | 311.1 |
| 8° | 310.0 | 309.7 | 309.2 | 308.7 | 310.3 | 310.0 | 309.7 | 310.0 | 309.9 | 310.1 | 310.4 |
| 8.5° | 309.5 | 309.1 | 308.6 | 308.0 | 309.8 | 309.6 | 309.2 | 309.1 | 309.4 | 309.8 | 310.2 |
| 9° | 309.2 | 308.6 | 308.1 | 307.5 | 309.0 | 308.9 | 308.6 | 308.9 | 308.9 | 309.2 | 309.6 |
| 9.5° | 308.6 | 307.9 | 307.6 | 306.9 | 308.5 | 308.5 | 308.1 | 308.0 | 308.3 | 308.7 | 309.1 |
| 10° | 307.9 | 307.4 | 306.8 | 306.4 | 308.0 | 307.8 | 307.6 | 307.8 | 307.6 | 308.1 | 308.6 |
| 10.5° | 307.3 | 306.9 | 306.2 | 305.5 | 307.5 | 307.0 | 306.8 | 307.0 | 307.1 | 307.6 | 307.8 |
| 11° | 306.6 | 306.0 | 305.4 | 305.3 | 306.6 | 306.4 | 306.2 | 306.4 | 306.3 | 307.0 | 307.2 |
| 11.5° | 306.0 | 305.6 | 304.9 | 304.1 | 305.8 | 305.6 | 305.5 | 305.6 | 305.7 | 306.3 | 306.6 |
| 12° | 305.2 | 304.7 | 304.0 | 303.4 | 305.1 | 305.0 | 304.6 | 305.0 | 305.2 | 305.6 | 306.2 |
| 12.5° | 304.6 | 303.9 | 303.3 | 302.6 | 304.4 | 304.3 | 304.0 | 303.9 | 304.5 | 304.9 | 305.2 |
| 13° | 303.9 | 303.3 | 302.3 | 301.8 | 303.6 | 303.5 | 303.1 | 303.5 | 303.6 | 304.2 | 304.6 |
| 13.5° | 303.0 | 302.4 | 301.6 | 301.0 | 303.0 | 302.4 | 302.4 | 302.5 | 303.0 | 303.3 | 303.9 |
| 14° | 302.1 | 301.5 | 301.0 | 300.1 | 301.8 | 302.0 | 301.5 | 301.8 | 301.9 | 302.5 | 303.1 |
| 14.5° | 301.5 | 300.7 | 299.8 | 299.1 | 301.2 | 300.7 | 300.7 | 300.8 | 301.3 | 301.8 | 302.4 |
| 15° | 300.4 | 299.8 | 299.0 | 298.3 | 299.8 | 300.1 | 299.7 | 300.1 | 300.3 | 300.8 | 301.4 |
| 15.5° | 299.5 | 298.8 | 298.0 | 297.4 | 299.6 | 299.0 | 298.9 | 298.9 | 299.4 | 300.0 | 300.7 |
| 16° | 298.6 | 298.0 | 297.2 | 296.2 | 298.1 | 298.1 | 297.9 | 298.2 | 298.5 | 299.2 | 299.6 |
| 16.5° | 297.6 | 297.0 | 296.0 | 295.3 | 297.4 | 297.0 | 296.8 | 297.1 | 297.6 | 298.3 | 298.9 |
| 17° | 296.8 | 296.2 | 295.3 | 294.2 | 296.2 | 296.2 | 295.9 | 296.2 | 296.5 | 297.1 | 297.7 |
| 17.5° | 295.6 | 294.9 | 294.0 | 293.1 | 295.4 | 295.0 | 294.8 | 295.0 | 295.6 | 296.3 | 296.9 |
| 18° | 294.9 | 294.1 | 293.0 | 292.2 | 294.2 | 294.1 | 293.8 | 294.3 | 294.5 | 295.0 | 295.9 |
| 18.5° | 293.6 | 292.9 | 292.1 | 290.9 | 293.2 | 292.9 | 292.7 | 292.9 | 293.6 | 294.4 | 294.9 |
| 19° | 292.7 | 291.8 | 290.6 | 289.8 | 292.0 | 291.7 | 291.7 | 291.9 | 292.4 | 293.2 | 293.8 |
| 19.5° | 291.4 | 290.5 | 289.7 | 288.7 | 290.9 | 290.8 | 290.3 | 290.6 | 291.2 | 292.1 | 292.8 |
| 20° | 290.4 | 289.4 | 288.4 | 287.6 | 289.7 | 289.4 | 289.2 | 289.8 | 290.1 | 291.0 | 291.8 |
| 20.5° | 289.1 | 288.2 | 287.3 | 286.4 | 288.5 | 288.4 | 288.0 | 288.4 | 289.0 | 289.9 | 290.4 |
| 21° | 288.2 | 287.2 | 285.9 | 285.1 | 287.0 | 287.1 | 286.9 | 287.3 | 287.9 | 288.6 | 289.6 |



TEST NUMBER: P938622

CATALOG NUMBER: SMX4RLSFSD2W-800LM-3000K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 22.5° | 284.2 | 283.2 | 282.2 | 281.3 | 283.5 | 283.4 | 283.0 | 283.5 | 284.3 | 285.0 | 285.8 |
| 23° | 283.0 | 282.0 | 281.0 | 280.0 | 282.0 | 281.8 | 281.7 | 282.3 | 282.8 | 283.5 | 284.7 |
| 23.5° | 281.4 | 280.6 | 279.4 | 278.8 | 280.7 | 280.7 | 280.4 | 280.8 | 281.6 | 282.4 | 283.3 |
| 24° | 280.5 | 279.4 | 278.1 | 277.2 | 279.4 | 279.2 | 278.9 | 279.5 | 280.3 | 281.1 | 282.0 |
| 24.5° | 278.7 | 277.9 | 276.6 | 275.8 | 278.0 | 277.7 | 277.6 | 278.0 | 278.9 | 279.7 | 280.5 |
| 25° | 277.7 | 276.7 | 275.3 | 274.3 | 276.4 | 276.4 | 276.4 | 276.8 | 277.3 | 278.2 | 279.2 |
| 25.5° | 276.1 | 275.1 | 273.9 | 272.9 | 275.0 | 274.9 | 274.7 | 275.1 | 276.0 | 277.0 | 278.0 |
| 26° | 275.0 | 273.6 | 272.5 | 271.4 | 273.7 | 273.4 | 273.4 | 273.8 | 274.6 | 275.6 | 276.5 |
| 26.5° | 273.2 | 272.1 | 270.9 | 269.9 | 272.0 | 272.0 | 271.8 | 272.4 | 273.1 | 274.0 | 275.1 |
| 27° | 272.0 | 270.8 | 269.3 | 268.4 | 270.7 | 270.6 | 270.5 | 271.0 | 271.9 | 272.7 | 273.7 |
| 27.5° | 270.3 | 269.1 | 268.0 | 266.9 | 269.1 | 269.0 | 268.7 | 269.3 | 270.1 | 271.0 | 272.2 |
| 28° | 268.9 | 267.7 | 266.3 | 265.3 | 267.5 | 267.4 | 267.2 | 267.8 | 268.5 | 269.7 | 270.8 |
| 28.5° | 267.2 | 266.0 | 264.7 | 263.7 | 265.9 | 265.8 | 265.7 | 266.1 | 266.9 | 268.1 | 269.2 |
| 29° | 265.9 | 264.4 | 263.1 | 262.1 | 264.3 | 264.3 | 264.0 | 264.8 | 265.7 | 266.5 | 267.8 |
| 29.5° | 264.0 | 262.9 | 261.5 | 260.4 | 262.8 | 262.5 | 262.5 | 263.0 | 263.9 | 265.1 | 266.0 |
| 30° | 262.6 | 261.3 | 260.0 | 258.9 | 261.1 | 261.0 | 260.7 | 261.6 | 262.4 | 263.4 | 264.7 |
| 30.5° | 260.9 | 259.6 | 258.1 | 257.1 | 259.5 | 259.4 | 259.3 | 259.7 | 260.7 | 261.7 | 262.8 |
| 31° | 259.3 | 258.1 | 256.6 | 255.6 | 257.7 | 257.7 | 257.4 | 258.2 | 259.2 | 260.3 | 261.3 |
| 31.5° | 257.6 | 256.2 | 254.9 | 253.8 | 256.2 | 256.0 | 255.8 | 256.6 | 257.2 | 258.4 | 259.5 |
| 32° | 256.0 | 254.5 | 253.1 | 252.1 | 254.2 | 254.2 | 254.1 | 254.8 | 255.7 | 256.9 | 258.0 |
| 32.5° | 254.2 | 252.8 | 251.3 | 250.4 | 252.4 | 252.4 | 252.4 | 252.9 | 253.9 | 255.1 | 256.3 |
| 33° | 252.4 | 251.2 | 249.8 | 248.5 | 250.7 | 250.7 | 250.7 | 251.4 | 252.3 | 253.3 | 254.6 |
| 33.5° | 250.7 | 249.2 | 247.9 | 246.6 | 249.0 | 248.9 | 249.0 | 249.4 | 250.4 | 251.7 | 253.0 |
| 34° | 249.0 | 247.6 | 246.0 | 244.8 | 247.1 | 247.1 | 247.1 | 247.7 | 248.8 | 249.8 | 251.1 |
| 34.5° | 247.1 | 245.6 | 244.4 | 243.1 | 245.4 | 245.4 | 245.3 | 245.8 | 246.8 | 248.3 | 249.5 |
| 35° | 245.3 | 244.0 | 242.4 | 241.2 | 243.6 | 243.4 | 243.3 | 244.2 | 245.3 | 246.3 | 247.5 |
| 35.5° | 243.6 | 242.1 | 240.6 | 239.4 | 241.8 | 241.6 | 241.6 | 242.2 | 243.0 | 244.5 | 245.9 |
| 36° | 241.6 | 240.3 | 238.7 | 237.4 | 239.9 | 239.6 | 239.7 | 240.6 | 241.5 | 242.7 | 243.8 |
| 36.5° | 239.8 | 238.3 | 237.0 | 235.6 | 238.0 | 237.9 | 237.9 | 238.4 | 239.5 | 241.0 | 242.3 |
| 37° | 237.9 | 236.5 | 234.8 | 233.7 | 235.9 | 235.8 | 235.9 | 236.7 | 237.7 | 238.8 | 240.2 |
| 37.5° | 236.0 | 234.4 | 233.0 | 231.7 | 234.3 | 234.0 | 234.1 | 234.7 | 235.6 | 237.2 | 238.5 |
| 38° | 234.0 | 232.6 | 230.9 | 229.8 | 232.0 | 232.0 | 232.1 | 232.9 | 234.0 | 235.1 | 236.4 |
| 38.5° | 232.3 | 230.5 | 229.1 | 227.7 | 230.3 | 230.0 | 230.2 | 230.8 | 231.8 | 233.3 | 234.7 |
| 39° | 230.2 | 228.7 | 227.0 | 226.0 | 228.2 | 228.1 | 228.2 | 229.0 | 230.1 | 231.3 | 232.6 |
| 39.5° | 228.4 | 226.6 | 225.1 | 223.8 | 226.2 | 226.1 | 226.1 | 226.7 | 228.0 | 229.4 | 230.7 |
| 40° | 226.1 | 224.6 | 223.0 | 221.7 | 224.2 | 224.0 | 224.1 | 224.9 | 226.1 | 227.4 | 228.8 |
| 40.5° | 224.3 | 222.6 | 220.9 | 219.7 | 222.2 | 222.0 | 222.2 | 222.9 | 223.9 | 225.4 | 226.8 |
| 41° | 222.2 | 220.7 | 219.0 | 217.7 | 220.1 | 220.0 | 220.2 | 220.9 | 221.9 | 223.4 | 224.8 |
| 41.5° | 220.2 | 218.4 | 217.0 | 215.6 | 218.1 | 217.9 | 218.1 | 218.8 | 219.9 | 221.4 | 222.6 |
| 42° | 218.1 | 216.7 | 214.8 | 213.7 | 216.0 | 215.8 | 216.0 | 216.6 | 217.8 | 219.3 | 220.6 |
| 42.5° | 216.1 | 214.3 | 212.8 | 211.4 | 213.9 | 213.7 | 214.0 | 214.6 | 215.8 | 217.2 | 218.7 |
| 43° | 214.0 | 212.2 | 210.4 | 209.3 | 211.7 | 211.6 | 211.8 | 212.7 | 213.9 | 215.1 | 216.6 |
| 43.5° | 211.9 | 210.2 | 208.7 | 207.2 | 209.5 | 209.6 | 209.8 | 210.4 | 211.7 | 213.0 | 214.5 |



TEST NUMBER: P938622

CATALOG NUMBER: SMX4RLSFSD2W-800LM-3000K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 45° | 205.4 | 203.7 | 201.9 | 200.7 | 203.1 | 203.1 | 203.3 | 203.9 | 205.2 | 206.9 | 208.1 |
| 45.5° | 203.1 | 201.5 | 199.9 | 198.6 | 200.8 | 200.9 | 201.2 | 201.9 | 203.2 | 204.6 | 206.0 |
| 46° | 201.2 | 199.4 | 197.7 | 196.3 | 198.6 | 198.7 | 198.8 | 199.6 | 200.9 | 202.4 | 203.8 |
| 46.5° | 198.8 | 197.1 | 195.4 | 194.2 | 196.4 | 196.4 | 196.7 | 197.4 | 198.7 | 200.2 | 201.8 |
| 47° | 196.6 | 194.9 | 193.1 | 191.8 | 194.2 | 194.2 | 194.4 | 195.2 | 196.5 | 198.2 | 199.5 |
| 47.5° | 194.3 | 192.7 | 190.9 | 189.5 | 191.9 | 191.9 | 192.3 | 193.0 | 194.5 | 196.0 | 197.3 |
| 48° | 192.1 | 190.5 | 188.7 | 187.3 | 189.7 | 189.7 | 190.0 | 190.9 | 192.1 | 193.5 | 195.2 |
| 48.5° | 189.8 | 188.2 | 186.4 | 185.0 | 187.5 | 187.5 | 187.8 | 188.5 | 189.9 | 191.5 | 192.8 |
| 49° | 187.7 | 185.9 | 184.0 | 182.6 | 185.1 | 185.1 | 185.4 | 186.2 | 187.6 | 189.2 | 190.7 |
| 49.5° | 185.3 | 183.5 | 181.9 | 180.6 | 182.9 | 182.9 | 183.2 | 184.0 | 185.3 | 186.8 | 188.3 |
| 50° | 183.0 | 181.4 | 179.5 | 177.9 | 180.5 | 180.4 | 180.8 | 181.7 | 183.0 | 184.5 | 186.2 |
| 50.5° | 180.7 | 178.8 | 177.2 | 175.8 | 178.2 | 178.2 | 178.5 | 179.4 | 180.8 | 182.3 | 183.8 |
| 51° | 178.3 | 176.7 | 174.8 | 173.5 | 175.9 | 175.8 | 176.2 | 177.0 | 178.3 | 180.0 | 181.5 |
| 51.5° | 176.0 | 174.3 | 172.5 | 171.1 | 173.5 | 173.5 | 173.9 | 174.7 | 176.1 | 177.7 | 179.1 |
| 52° | 173.6 | 172.0 | 170.0 | 168.5 | 171.2 | 171.1 | 171.5 | 172.3 | 173.6 | 175.4 | 176.8 |
| 52.5° | 171.4 | 169.5 | 167.8 | 166.4 | 168.7 | 168.9 | 169.2 | 170.0 | 171.4 | 172.9 | 174.5 |
| 53° | 168.9 | 167.2 | 165.3 | 164.0 | 166.4 | 166.4 | 166.8 | 167.6 | 169.0 | 170.5 | 172.2 |
| 53.5° | 166.6 | 164.6 | 162.9 | 161.6 | 164.0 | 164.1 | 164.3 | 165.2 | 166.7 | 168.3 | 169.8 |
| 54° | 164.1 | 162.3 | 160.5 | 159.1 | 161.5 | 161.4 | 162.0 | 162.8 | 164.2 | 165.8 | 167.5 |
| 54.5° | 161.6 | 159.9 | 158.0 | 156.8 | 159.2 | 159.2 | 159.5 | 160.4 | 161.9 | 163.4 | 165.0 |
| 55° | 159.3 | 157.5 | 155.7 | 154.2 | 156.6 | 156.7 | 157.2 | 158.0 | 159.3 | 161.1 | 162.5 |
| 55.5° | 156.9 | 154.9 | 153.1 | 151.8 | 154.2 | 154.2 | 154.7 | 155.6 | 156.9 | 158.8 | 160.2 |
| 56° | 154.3 | 152.5 | 150.8 | 149.3 | 151.7 | 151.7 | 152.2 | 153.1 | 154.5 | 156.1 | 157.8 |
| 56.5° | 151.9 | 150.0 | 148.1 | 146.8 | 149.3 | 149.3 | 149.7 | 150.7 | 152.2 | 153.9 | 155.4 |
| 57° | 149.5 | 147.5 | 145.7 | 144.4 | 146.9 | 146.8 | 147.3 | 148.1 | 149.6 | 151.3 | 152.8 |
| 57.5° | 146.9 | 145.1 | 143.1 | 141.8 | 144.2 | 144.5 | 144.8 | 145.7 | 147.2 | 148.9 | 150.4 |
| 58° | 144.4 | 142.6 | 140.7 | 139.3 | 141.7 | 141.8 | 142.3 | 143.2 | 144.5 | 146.3 | 148.0 |
| 58.5° | 141.9 | 140.0 | 138.0 | 136.8 | 139.3 | 139.3 | 139.8 | 140.7 | 142.1 | 144.0 | 145.5 |
| 59° | 139.4 | 137.4 | 135.6 | 134.1 | 136.7 | 136.8 | 137.2 | 138.1 | 139.7 | 141.3 | 143.0 |
| 59.5° | 136.8 | 134.9 | 133.1 | 131.8 | 134.1 | 134.2 | 134.7 | 135.6 | 137.1 | 138.9 | 140.3 |
| 60° | 134.2 | 132.4 | 130.5 | 129.1 | 131.6 | 131.6 | 132.2 | 133.1 | 134.5 | 136.3 | 138.0 |
| 60.5° | 131.8 | 129.8 | 127.9 | 126.6 | 129.1 | 129.1 | 129.7 | 130.6 | 132.1 | 133.8 | 135.3 |
| 61° | 129.1 | 127.2 | 125.3 | 124.0 | 126.4 | 126.5 | 127.0 | 128.0 | 129.5 | 131.2 | 132.9 |
| 61.5° | 126.5 | 124.7 | 122.8 | 121.4 | 123.9 | 124.1 | 124.6 | 125.6 | 126.9 | 128.8 | 130.3 |
| 62° | 124.1 | 122.0 | 120.1 | 118.8 | 121.2 | 121.4 | 121.9 | 122.9 | 124.4 | 126.1 | 127.7 |
| 62.5° | 121.3 | 119.4 | 117.5 | 116.2 | 118.8 | 118.8 | 119.3 | 120.3 | 121.8 | 123.6 | 125.2 |
| 63° | 118.8 | 116.7 | 114.9 | 113.6 | 116.1 | 116.1 | 116.7 | 117.6 | 119.3 | 120.9 | 122.6 |
| 63.5° | 116.0 | 114.1 | 112.2 | 111.0 | 113.4 | 113.5 | 114.1 | 115.1 | 116.6 | 118.4 | 120.0 |
| 64° | 113.4 | 111.5 | 109.7 | 108.4 | 110.8 | 110.9 | 111.5 | 112.5 | 114.0 | 115.8 | 117.4 |
| 64.5° | 110.8 | 108.8 | 107.0 | 105.7 | 108.2 | 108.4 | 108.8 | 109.9 | 111.4 | 113.2 | 114.8 |
| 65° | 108.2 | 106.3 | 104.5 | 103.1 | 105.6 | 105.7 | 106.3 | 107.3 | 108.9 | 110.6 | 112.2 |
| 65.5° | 105.4 | 103.6 | 101.7 | 100.4 | 102.8 | 103.0 | 103.7 | 104.6 | 106.1 | 107.9 | 109.6 |
| 66° | 102.8 | 100.8 | 99.1 | 97.8 | 100.2 | 100.4 | 100.9 | 102.0 | 103.6 | 105.3 | 106.9 |



TEST NUMBER: P938622

CATALOG NUMBER: SMX4RLSFS2W-800LM-3000K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|------|-------|------|-------|------|--------|------|--------|------|--------|------|
| 67.5° | 94.8 | 92.8 | 91.0 | 89.8 | 92.3 | 92.4 | 93.0 | 94.1 | 95.6 | 97.4 | 98.9 |
| 68° | 92.1 | 90.1 | 88.4 | 87.1 | 89.7 | 89.7 | 90.3 | 91.5 | 93.0 | 94.8 | 96.4 |
| 68.5° | 89.4 | 87.4 | 85.7 | 84.4 | 86.8 | 87.1 | 87.7 | 88.8 | 90.3 | 92.1 | 93.6 |
| 69° | 86.8 | 84.7 | 83.0 | 81.8 | 84.2 | 84.4 | 85.0 | 86.1 | 87.6 | 89.4 | 91.0 |
| 69.5° | 84.0 | 82.1 | 80.3 | 79.1 | 81.5 | 81.7 | 82.4 | 83.5 | 84.9 | 86.7 | 88.3 |
| 70° | 81.3 | 79.4 | 77.6 | 76.4 | 78.8 | 79.0 | 79.7 | 80.8 | 82.3 | 84.0 | 85.7 |
| 70.5° | 78.6 | 76.7 | 75.0 | 73.7 | 76.2 | 76.4 | 77.1 | 78.2 | 79.7 | 81.5 | 83.0 |
| 71° | 75.9 | 74.1 | 72.3 | 71.1 | 73.5 | 73.8 | 74.4 | 75.5 | 77.0 | 78.8 | 80.3 |
| 71.5° | 73.2 | 71.2 | 69.7 | 68.4 | 70.8 | 71.1 | 71.7 | 72.8 | 74.3 | 76.1 | 77.6 |
| 72° | 70.5 | 68.7 | 67.0 | 65.8 | 68.2 | 68.4 | 69.1 | 70.2 | 71.7 | 73.4 | 75.0 |
| 72.5° | 67.9 | 65.9 | 64.3 | 63.0 | 65.6 | 65.8 | 66.4 | 67.6 | 69.0 | 70.7 | 72.3 |
| 73° | 65.1 | 63.2 | 61.6 | 60.5 | 62.9 | 63.1 | 63.7 | 64.9 | 66.4 | 68.1 | 69.7 |
| 73.5° | 62.5 | 60.5 | 59.0 | 57.8 | 60.3 | 60.5 | 61.1 | 62.3 | 63.7 | 65.5 | 67.0 |
| 74° | 59.7 | 58.0 | 56.3 | 55.2 | 57.7 | 57.9 | 58.4 | 59.6 | 61.1 | 62.9 | 64.4 |
| 74.5° | 57.2 | 55.3 | 53.7 | 52.6 | 55.1 | 55.2 | 55.8 | 57.0 | 58.4 | 60.2 | 61.8 |
| 75° | 54.5 | 52.8 | 51.1 | 50.0 | 52.4 | 52.7 | 53.3 | 54.4 | 55.8 | 57.6 | 59.1 |
| 75.5° | 51.9 | 50.0 | 48.5 | 47.4 | 49.8 | 50.1 | 50.7 | 51.9 | 53.2 | 55.0 | 56.5 |
| 76° | 49.2 | 47.5 | 45.8 | 44.8 | 47.2 | 47.5 | 48.1 | 49.2 | 50.7 | 52.3 | 53.9 |
| 76.5° | 46.6 | 44.9 | 43.3 | 42.2 | 44.6 | 44.9 | 45.5 | 46.6 | 48.1 | 49.8 | 51.3 |
| 77° | 44.1 | 42.4 | 40.8 | 39.8 | 42.1 | 42.4 | 43.0 | 44.1 | 45.5 | 47.2 | 48.7 |
| 77.5° | 41.6 | 39.9 | 38.3 | 37.3 | 39.6 | 39.9 | 40.6 | 41.6 | 43.0 | 44.6 | 46.2 |
| 78° | 39.1 | 37.4 | 35.9 | 34.8 | 37.1 | 37.4 | 38.0 | 39.1 | 40.5 | 42.1 | 43.6 |
| 78.5° | 36.5 | 34.9 | 33.5 | 32.4 | 34.6 | 34.9 | 35.5 | 36.6 | 38.0 | 39.6 | 41.0 |
| 79° | 34.1 | 32.5 | 31.0 | 30.0 | 32.3 | 32.5 | 33.1 | 34.2 | 35.6 | 37.1 | 38.5 |
| 79.5° | 31.7 | 30.1 | 28.6 | 27.7 | 29.9 | 30.1 | 30.9 | 31.8 | 33.1 | 34.7 | 36.1 |
| 80° | 29.3 | 27.7 | 26.2 | 25.6 | 27.5 | 27.7 | 28.4 | 29.5 | 30.8 | 32.3 | 33.6 |
| 80.5° | 27.1 | 25.6 | 24.1 | 23.4 | 25.3 | 25.5 | 26.2 | 27.2 | 28.5 | 30.0 | 31.3 |
| 81° | 24.9 | 23.5 | 22.0 | 21.3 | 23.0 | 23.3 | 23.9 | 24.9 | 26.2 | 27.7 | 28.9 |
| 81.5° | 22.8 | 21.3 | 20.0 | 19.1 | 20.9 | 21.1 | 21.7 | 22.7 | 23.9 | 25.3 | 26.6 |
| 82° | 20.6 | 19.2 | 17.9 | 17.0 | 18.8 | 19.0 | 19.6 | 20.6 | 21.7 | 23.1 | 24.3 |
| 82.5° | 18.5 | 17.1 | 15.8 | 15.1 | 16.7 | 17.0 | 17.6 | 18.5 | 19.7 | 21.0 | 22.1 |
| 83° | 16.4 | 15.1 | 13.9 | 13.2 | 14.8 | 15.0 | 15.5 | 16.5 | 17.6 | 18.8 | 20.0 |
| 83.5° | 14.4 | 13.2 | 12.1 | 11.4 | 12.9 | 13.2 | 13.8 | 14.6 | 15.6 | 16.9 | 18.0 |
| 84° | 12.7 | 11.4 | 10.4 | 9.7 | 11.1 | 11.4 | 11.9 | 12.8 | 13.8 | 14.9 | 16.0 |
| 84.5° | 10.9 | 9.8 | 8.8 | 8.2 | 9.5 | 9.7 | 10.2 | 11.1 | 12.0 | 13.1 | 14.0 |
| 85° | 9.3 | 8.2 | 7.3 | 6.7 | 8.1 | 8.4 | 8.9 | 9.3 | 10.2 | 11.3 | 12.3 |
| 85.5° | 7.8 | 6.8 | 6.0 | 5.4 | 6.9 | 7.1 | 7.5 | 8.1 | 9.0 | 9.7 | 10.5 |
| 86° | 6.4 | 5.5 | 4.8 | 4.3 | 5.6 | 5.8 | 6.2 | 6.9 | 7.8 | 8.4 | 9.0 |
| 86.5° | 5.2 | 4.3 | 3.7 | 3.2 | 4.3 | 4.5 | 4.9 | 5.6 | 6.5 | 7.1 | 7.8 |
| 87° | 4.1 | 3.4 | 2.8 | 2.4 | 3.1 | 3.2 | 3.5 | 4.3 | 5.2 | 5.8 | 6.6 |
| 87.5° | 3.1 | 2.5 | 2.3 | 1.7 | 2.2 | 2.3 | 2.6 | 3.1 | 4.0 | 4.6 | 5.3 |
| 88° | 2.7 | 2.1 | 1.8 | 1.2 | 1.6 | 1.6 | 1.9 | 2.3 | 2.8 | 3.3 | 4.1 |
| 88.5° | 2.2 | 1.7 | 1.3 | 1.0 | 1.1 | 1.2 | 1.4 | 1.7 | 2.0 | 2.5 | 2.9 |



TEST NUMBER: P938622
CATALOG NUMBER: SMX4RLSFS2W-800LM-3000K

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: P938622

CATALOG NUMBER: SMX4RLSFS2W-800LM-3000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|-------|--------|-------|--------|-------|
| 0° | 314.1 | 314.1 | 314.1 | 314.1 | 314.1 | 314.1 |
| 0.5° | 313.4 | 314.6 | 314.6 | 314.2 | 313.7 | 313.9 |
| 1° | 313.7 | 314.9 | 314.6 | 314.1 | 314.3 | 313.7 |
| 1.5° | 313.4 | 314.7 | 314.5 | 313.9 | 313.7 | 313.7 |
| 2° | 313.4 | 314.5 | 314.4 | 314.2 | 314.1 | 313.7 |
| 2.5° | 313.6 | 314.5 | 314.6 | 313.8 | 313.5 | 313.6 |
| 3° | 313.3 | 314.4 | 314.2 | 313.7 | 313.7 | 313.3 |
| 3.5° | 313.1 | 314.3 | 314.3 | 313.5 | 313.2 | 313.1 |
| 4° | 313.1 | 314.0 | 313.7 | 313.4 | 313.4 | 313.0 |
| 4.5° | 312.8 | 314.0 | 313.7 | 313.0 | 312.7 | 312.8 |
| 5° | 312.5 | 313.4 | 313.3 | 312.8 | 312.8 | 312.4 |
| 5.5° | 312.2 | 313.4 | 313.2 | 312.6 | 312.1 | 311.9 |
| 6° | 312.2 | 313.0 | 312.6 | 312.3 | 312.2 | 311.7 |
| 6.5° | 311.6 | 312.5 | 312.5 | 311.9 | 311.5 | 311.4 |
| 7° | 311.6 | 312.2 | 311.7 | 311.6 | 311.2 | 311.0 |
| 7.5° | 310.7 | 311.8 | 311.7 | 311.3 | 310.7 | 310.6 |
| 8° | 310.7 | 311.4 | 311.3 | 310.7 | 310.4 | 310.0 |
| 8.5° | 310.1 | 311.0 | 310.7 | 310.4 | 309.7 | 309.5 |
| 9° | 310.1 | 310.4 | 310.1 | 309.7 | 309.5 | 309.2 |
| 9.5° | 308.9 | 310.1 | 309.9 | 309.4 | 308.8 | 308.6 |
| 10° | 308.9 | 309.3 | 308.9 | 308.6 | 308.4 | 307.9 |
| 10.5° | 307.9 | 308.8 | 308.7 | 308.2 | 307.6 | 307.3 |
| 11° | 307.7 | 308.1 | 307.8 | 307.5 | 307.2 | 306.6 |
| 11.5° | 307.0 | 307.5 | 307.3 | 306.9 | 306.3 | 306.0 |
| 12° | 306.6 | 306.8 | 306.6 | 306.0 | 306.0 | 305.2 |
| 12.5° | 305.7 | 306.2 | 306.0 | 305.7 | 304.8 | 304.6 |
| 13° | 305.2 | 305.4 | 305.2 | 304.7 | 304.4 | 303.9 |
| 13.5° | 304.1 | 304.8 | 304.3 | 304.1 | 303.4 | 303.0 |
| 14° | 303.6 | 303.7 | 303.6 | 303.1 | 303.0 | 302.1 |
| 14.5° | 302.7 | 303.1 | 302.9 | 302.4 | 301.8 | 301.5 |
| 15° | 301.9 | 302.2 | 302.0 | 301.5 | 301.1 | 300.4 |
| 15.5° | 300.7 | 301.4 | 301.4 | 300.6 | 300.1 | 299.5 |
| 16° | 300.5 | 300.4 | 300.1 | 299.8 | 299.2 | 298.6 |
| 16.5° | 299.0 | 299.6 | 299.5 | 298.7 | 298.3 | 297.6 |
| 17° | 298.5 | 298.6 | 298.3 | 298.0 | 297.4 | 296.8 |
| 17.5° | 297.2 | 297.6 | 297.7 | 296.8 | 296.2 | 295.6 |
| 18° | 296.5 | 296.5 | 296.3 | 296.0 | 295.4 | 294.9 |
| 18.5° | 295.3 | 295.6 | 295.6 | 294.8 | 294.1 | 293.6 |
| 19° | 294.4 | 294.4 | 294.3 | 293.8 | 293.4 | 292.7 |
| 19.5° | 293.0 | 293.5 | 293.6 | 292.7 | 291.9 | 291.4 |
| 20° | 292.2 | 292.2 | 292.1 | 291.8 | 291.1 | 290.4 |
| 20.5° | 291.0 | 291.2 | 291.3 | 290.5 | 289.7 | 289.1 |
| 21° | 290.1 | 289.9 | 289.8 | 289.5 | 288.8 | 288.2 |

TEST NUMBER: P938622

CATALOG NUMBER: SMX4RLSFS2W-800LM-3000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|-------|--------|-------|--------|-------|
| 22.5° | 286.5 | 286.5 | 286.3 | 285.7 | 284.9 | 284.2 |
| 23° | 285.0 | 285.0 | 284.9 | 284.5 | 284.1 | 283.0 |
| 23.5° | 283.8 | 283.9 | 283.7 | 283.1 | 282.3 | 281.4 |
| 24° | 282.6 | 282.4 | 282.3 | 281.9 | 281.1 | 280.5 |
| 24.5° | 281.1 | 281.1 | 281.1 | 280.5 | 279.5 | 278.7 |
| 25° | 279.9 | 279.7 | 279.6 | 279.2 | 278.6 | 277.7 |
| 25.5° | 278.5 | 278.3 | 278.5 | 277.7 | 276.7 | 276.1 |
| 26° | 277.1 | 277.0 | 276.9 | 276.4 | 275.5 | 275.0 |
| 26.5° | 275.8 | 275.6 | 275.5 | 274.9 | 274.0 | 273.2 |
| 27° | 274.3 | 274.0 | 274.0 | 273.5 | 272.7 | 272.0 |
| 27.5° | 272.9 | 272.6 | 272.7 | 271.9 | 270.8 | 270.3 |
| 28° | 271.4 | 271.0 | 271.1 | 270.5 | 269.9 | 268.9 |
| 28.5° | 269.8 | 269.5 | 269.6 | 268.8 | 267.9 | 267.2 |
| 29° | 268.4 | 268.0 | 267.8 | 267.5 | 266.8 | 265.9 |
| 29.5° | 266.7 | 266.5 | 266.5 | 265.8 | 264.9 | 264.0 |
| 30° | 265.3 | 264.8 | 264.9 | 264.3 | 263.5 | 262.6 |
| 30.5° | 263.5 | 263.2 | 263.4 | 262.5 | 261.6 | 260.9 |
| 31° | 262.2 | 261.6 | 261.6 | 261.1 | 260.3 | 259.3 |
| 31.5° | 260.4 | 260.0 | 260.0 | 259.2 | 258.4 | 257.6 |
| 32° | 258.7 | 258.2 | 258.1 | 257.8 | 257.0 | 256.0 |
| 32.5° | 257.1 | 256.6 | 256.7 | 256.0 | 255.1 | 254.2 |
| 33° | 255.4 | 254.8 | 254.9 | 254.5 | 253.6 | 252.4 |
| 33.5° | 253.6 | 253.2 | 253.1 | 252.4 | 251.7 | 250.7 |
| 34° | 251.9 | 251.5 | 251.3 | 251.0 | 250.0 | 249.0 |
| 34.5° | 250.2 | 249.6 | 249.8 | 248.9 | 248.0 | 247.1 |
| 35° | 248.4 | 247.7 | 247.7 | 247.4 | 246.5 | 245.3 |
| 35.5° | 246.5 | 245.9 | 246.2 | 245.4 | 244.2 | 243.6 |
| 36° | 244.8 | 244.2 | 244.1 | 243.6 | 242.8 | 241.6 |
| 36.5° | 242.9 | 242.2 | 242.4 | 241.7 | 240.7 | 239.8 |
| 37° | 241.3 | 240.4 | 240.3 | 240.0 | 239.0 | 237.9 |
| 37.5° | 239.2 | 238.5 | 238.7 | 238.0 | 237.0 | 236.0 |
| 38° | 237.4 | 236.5 | 236.8 | 236.2 | 235.1 | 234.0 |
| 38.5° | 235.5 | 234.7 | 234.7 | 234.1 | 233.1 | 232.3 |
| 39° | 233.8 | 232.7 | 232.8 | 232.3 | 231.4 | 230.2 |
| 39.5° | 231.6 | 230.8 | 230.9 | 230.3 | 229.1 | 228.4 |
| 40° | 229.6 | 228.7 | 228.8 | 228.4 | 227.3 | 226.1 |
| 40.5° | 227.8 | 226.8 | 226.8 | 226.4 | 225.2 | 224.3 |
| 41° | 225.7 | 224.8 | 224.9 | 224.3 | 223.4 | 222.2 |
| 41.5° | 223.8 | 222.7 | 222.9 | 222.3 | 221.3 | 220.2 |
| 42° | 221.7 | 220.8 | 220.8 | 220.3 | 219.3 | 218.1 |
| 42.5° | 219.7 | 218.6 | 218.7 | 218.1 | 217.0 | 216.1 |
| 43° | 217.6 | 216.6 | 216.7 | 216.1 | 215.1 | 214.0 |
| 43.5° | 215.5 | 214.5 | 214.5 | 214.0 | 213.0 | 211.9 |

TEST NUMBER: P938622

CATALOG NUMBER: SMX4RLSFS2W-800LM-3000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|-------|--------|-------|--------|-------|
| 45° | 209.3 | 207.9 | 208.1 | 207.6 | 206.7 | 205.4 |
| 45.5° | 206.9 | 206.0 | 206.0 | 205.4 | 204.4 | 203.1 |
| 46° | 205.0 | 203.8 | 203.9 | 203.4 | 202.4 | 201.2 |
| 46.5° | 202.6 | 201.6 | 201.7 | 201.0 | 200.0 | 198.8 |
| 47° | 200.7 | 199.4 | 199.5 | 198.7 | 197.8 | 196.6 |
| 47.5° | 198.3 | 197.3 | 197.3 | 196.7 | 195.7 | 194.3 |
| 48° | 196.2 | 194.9 | 194.9 | 194.5 | 193.6 | 192.1 |
| 48.5° | 193.9 | 192.7 | 192.8 | 192.1 | 191.2 | 189.8 |
| 49° | 191.7 | 190.6 | 190.4 | 190.0 | 188.9 | 187.7 |
| 49.5° | 189.5 | 188.2 | 188.3 | 187.7 | 186.5 | 185.3 |
| 50° | 187.2 | 185.8 | 185.9 | 185.5 | 184.3 | 183.0 |
| 50.5° | 184.8 | 183.5 | 183.8 | 183.0 | 182.0 | 180.7 |
| 51° | 182.6 | 181.3 | 181.2 | 180.8 | 179.7 | 178.3 |
| 51.5° | 180.3 | 178.8 | 179.0 | 178.5 | 177.3 | 176.0 |
| 52° | 178.0 | 176.6 | 176.7 | 176.2 | 175.2 | 173.6 |
| 52.5° | 175.6 | 174.2 | 174.4 | 173.6 | 172.6 | 171.4 |
| 53° | 173.2 | 171.9 | 171.9 | 171.5 | 170.2 | 168.9 |
| 53.5° | 170.9 | 169.5 | 169.6 | 168.9 | 167.9 | 166.6 |
| 54° | 168.5 | 167.0 | 167.1 | 166.6 | 165.5 | 164.1 |
| 54.5° | 166.0 | 164.6 | 164.7 | 164.1 | 163.0 | 161.6 |
| 55° | 163.8 | 162.3 | 162.4 | 161.9 | 160.7 | 159.3 |
| 55.5° | 161.2 | 159.8 | 159.8 | 159.3 | 158.1 | 156.9 |
| 56° | 159.0 | 157.5 | 157.5 | 156.9 | 155.7 | 154.3 |
| 56.5° | 156.4 | 154.8 | 155.0 | 154.4 | 153.4 | 151.9 |
| 57° | 154.1 | 152.5 | 152.5 | 152.0 | 150.8 | 149.5 |
| 57.5° | 151.5 | 150.0 | 149.9 | 149.3 | 148.2 | 146.9 |
| 58° | 149.1 | 147.5 | 147.5 | 146.9 | 145.8 | 144.4 |
| 58.5° | 146.6 | 145.1 | 144.9 | 144.4 | 143.3 | 141.9 |
| 59° | 144.1 | 142.4 | 142.6 | 141.9 | 140.6 | 139.4 |
| 59.5° | 141.5 | 140.0 | 139.9 | 139.3 | 138.3 | 136.8 |
| 60° | 139.1 | 137.4 | 137.4 | 136.8 | 135.7 | 134.2 |
| 60.5° | 136.5 | 134.9 | 134.8 | 134.2 | 133.1 | 131.8 |
| 61° | 134.1 | 132.3 | 132.3 | 131.7 | 130.6 | 129.1 |
| 61.5° | 131.4 | 129.7 | 129.7 | 129.1 | 127.9 | 126.5 |
| 62° | 128.9 | 127.2 | 127.2 | 126.7 | 125.4 | 124.1 |
| 62.5° | 126.1 | 124.6 | 124.6 | 123.9 | 122.8 | 121.3 |
| 63° | 123.8 | 122.0 | 121.9 | 121.4 | 120.2 | 118.8 |
| 63.5° | 121.1 | 119.3 | 119.3 | 118.7 | 117.6 | 116.0 |
| 64° | 118.5 | 116.8 | 116.7 | 116.2 | 114.9 | 113.4 |
| 64.5° | 116.0 | 114.1 | 114.1 | 113.4 | 112.2 | 110.8 |
| 65° | 113.3 | 111.6 | 111.4 | 110.8 | 109.6 | 108.2 |
| 65.5° | 110.6 | 108.8 | 108.7 | 108.1 | 107.0 | 105.4 |
| 66° | 108.0 | 106.2 | 106.0 | 105.6 | 104.3 | 102.8 |



TEST NUMBER: P938622

CATALOG NUMBER: SMX4RLSFS2W-800LM-3000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|------|--------|------|--------|------|
| 67.5° | 100.0 | 98.2 | 98.1 | 97.5 | 96.3 | 94.8 |
| 68° | 97.5 | 95.5 | 95.4 | 94.8 | 93.6 | 92.1 |
| 68.5° | 94.8 | 92.9 | 92.7 | 92.1 | 91.0 | 89.4 |
| 69° | 92.1 | 90.2 | 89.9 | 89.5 | 88.3 | 86.8 |
| 69.5° | 89.3 | 87.4 | 87.4 | 86.7 | 85.5 | 84.0 |
| 70° | 86.7 | 84.7 | 84.6 | 84.1 | 82.8 | 81.3 |
| 70.5° | 84.2 | 82.0 | 81.9 | 81.3 | 80.1 | 78.6 |
| 71° | 81.4 | 79.4 | 79.2 | 78.6 | 77.4 | 75.9 |
| 71.5° | 78.7 | 76.8 | 76.5 | 75.9 | 74.7 | 73.2 |
| 72° | 76.1 | 74.0 | 73.8 | 73.2 | 72.0 | 70.5 |
| 72.5° | 73.4 | 71.3 | 71.2 | 70.5 | 69.4 | 67.9 |
| 73° | 70.6 | 68.7 | 68.5 | 67.9 | 66.7 | 65.1 |
| 73.5° | 68.0 | 66.0 | 65.8 | 65.2 | 64.0 | 62.5 |
| 74° | 65.4 | 63.3 | 63.1 | 62.5 | 61.2 | 59.7 |
| 74.5° | 62.7 | 60.7 | 60.5 | 59.8 | 58.7 | 57.2 |
| 75° | 60.1 | 58.0 | 57.8 | 57.2 | 56.0 | 54.5 |
| 75.5° | 57.4 | 55.3 | 55.2 | 54.6 | 53.4 | 51.9 |
| 76° | 54.8 | 52.8 | 52.5 | 51.9 | 50.7 | 49.2 |
| 76.5° | 52.2 | 50.1 | 49.8 | 49.2 | 48.1 | 46.6 |
| 77° | 49.6 | 47.5 | 47.2 | 46.6 | 45.5 | 44.1 |
| 77.5° | 47.0 | 44.9 | 44.8 | 44.2 | 43.0 | 41.6 |
| 78° | 44.4 | 42.4 | 42.1 | 41.6 | 40.4 | 39.1 |
| 78.5° | 41.9 | 39.8 | 39.6 | 39.0 | 37.9 | 36.5 |
| 79° | 39.4 | 37.4 | 37.1 | 36.6 | 35.4 | 34.1 |
| 79.5° | 36.9 | 34.9 | 34.7 | 34.1 | 33.0 | 31.7 |
| 80° | 34.5 | 32.4 | 32.3 | 31.8 | 30.6 | 29.3 |
| 80.5° | 32.1 | 30.0 | 29.9 | 29.4 | 28.3 | 27.1 |
| 81° | 29.7 | 27.8 | 27.6 | 27.1 | 26.1 | 24.9 |
| 81.5° | 27.4 | 25.6 | 25.4 | 24.9 | 23.9 | 22.8 |
| 82° | 25.1 | 23.5 | 23.3 | 22.8 | 21.7 | 20.6 |
| 82.5° | 22.9 | 21.4 | 21.1 | 20.6 | 19.6 | 18.5 |
| 83° | 20.7 | 19.2 | 19.0 | 18.5 | 17.4 | 16.4 |
| 83.5° | 18.7 | 17.0 | 16.9 | 16.4 | 15.5 | 14.4 |
| 84° | 16.7 | 15.2 | 14.9 | 14.5 | 13.6 | 12.7 |
| 84.5° | 14.7 | 13.2 | 13.1 | 12.6 | 11.9 | 10.9 |
| 85° | 12.9 | 11.4 | 11.3 | 10.9 | 10.2 | 9.3 |
| 85.5° | 11.1 | 9.8 | 9.6 | 9.3 | 8.6 | 7.8 |
| 86° | 9.5 | 8.3 | 8.1 | 7.8 | 7.2 | 6.4 |
| 86.5° | 8.2 | 6.8 | 6.7 | 6.4 | 5.8 | 5.2 |
| 87° | 7.0 | 5.5 | 5.5 | 5.2 | 4.6 | 4.1 |
| 87.5° | 5.7 | 4.3 | 4.3 | 4.1 | 3.7 | 3.1 |
| 88° | 4.4 | 3.4 | 3.3 | 3.1 | 2.8 | 2.7 |
| 88.5° | 3.2 | 2.5 | 2.5 | 2.8 | 2.4 | 2.2 |



TEST NUMBER: P938622
CATALOG NUMBER: SMX4RLSFSD2W-800LM-3000K

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

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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° | 286.6 | 285.8 | 284.9 | 283.8 | 286.1 | 285.8 | 285.6 | 286.0 | 286.8 | 287.6 | 288.1 |
| 22° | 285.6 | 284.7 | 283.2 | 282.6 | 284.5 | 284.6 | 284.3 | 284.9 | 285.3 | 286.1 | 287.1 |



| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 44° | 209.7 | 208.1 | 206.3 | 204.9 | 207.5 | 207.5 | 207.6 | 208.3 | 209.5 | 211.0 | 212.4 |
| 44.5° | 207.5 | 206.0 | 204.2 | 203.0 | 205.3 | 205.3 | 205.3 | 206.1 | 207.4 | 208.9 | 210.3 |



| | | | | | | | | | | | |
|-------|-------|------|------|------|------|------|------|------|-------|-------|-------|
| 66.5° | 100.1 | 98.1 | 96.3 | 95.1 | 97.6 | 97.8 | 98.3 | 99.4 | 100.9 | 102.6 | 104.3 |
| 67° | 97.5 | 95.6 | 93.6 | 92.4 | 95.0 | 95.1 | 95.7 | 96.8 | 98.2 | 99.9 | 101.7 |



| | | | | | | | | | | | |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 89° | 1.8 | 1.3 | 0.8 | 0.8 | 0.7 | 0.8 | 1.0 | 1.3 | 1.5 | 1.9 | 2.2 |
| 89.5° | 1.3 | 0.9 | 0.7 | 0.7 | 0.6 | 0.7 | 0.7 | 1.0 | 1.2 | 1.4 | 1.6 |

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

Scaled Data Report





| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 21.5° | 288.6 | 288.8 | 288.7 | 288.0 | 287.4 | 286.6 |
| 22° | 287.6 | 287.5 | 287.4 | 287.0 | 286.3 | 285.6 |



| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 44° | 213.4 | 212.2 | 212.5 | 211.8 | 211.0 | 209.7 |
| 44.5° | 211.3 | 210.3 | 210.3 | 209.8 | 208.5 | 207.5 |



| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 66.5° | 105.4 | 103.5 | 103.6 | 102.8 | 101.7 | 100.1 |
| 67° | 102.7 | 100.9 | 100.7 | 100.2 | 98.9 | 97.5 |



| | | | | | | |
|-------|-----|-----|-----|-----|-----|-----|
| 89° | 2.4 | 2.2 | 2.1 | 2.3 | 1.9 | 1.8 |
| 89.5° | 1.8 | 1.7 | 1.7 | 1.9 | 1.5 | 1.3 |

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Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)