

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: CORELITE

Report Number:

Luminaire Tested: SQ4-FA-0U-050D-940-1D-UNV-STD-W-4

Issue Date: 8/1/2024

**Test Information**

Test Method: LM-79-2019  
Report Number:  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2301-892-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/1/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-0U-050D-940-1D-UNV-STD-W-4  
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE  
DOWNLIGHT 500 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

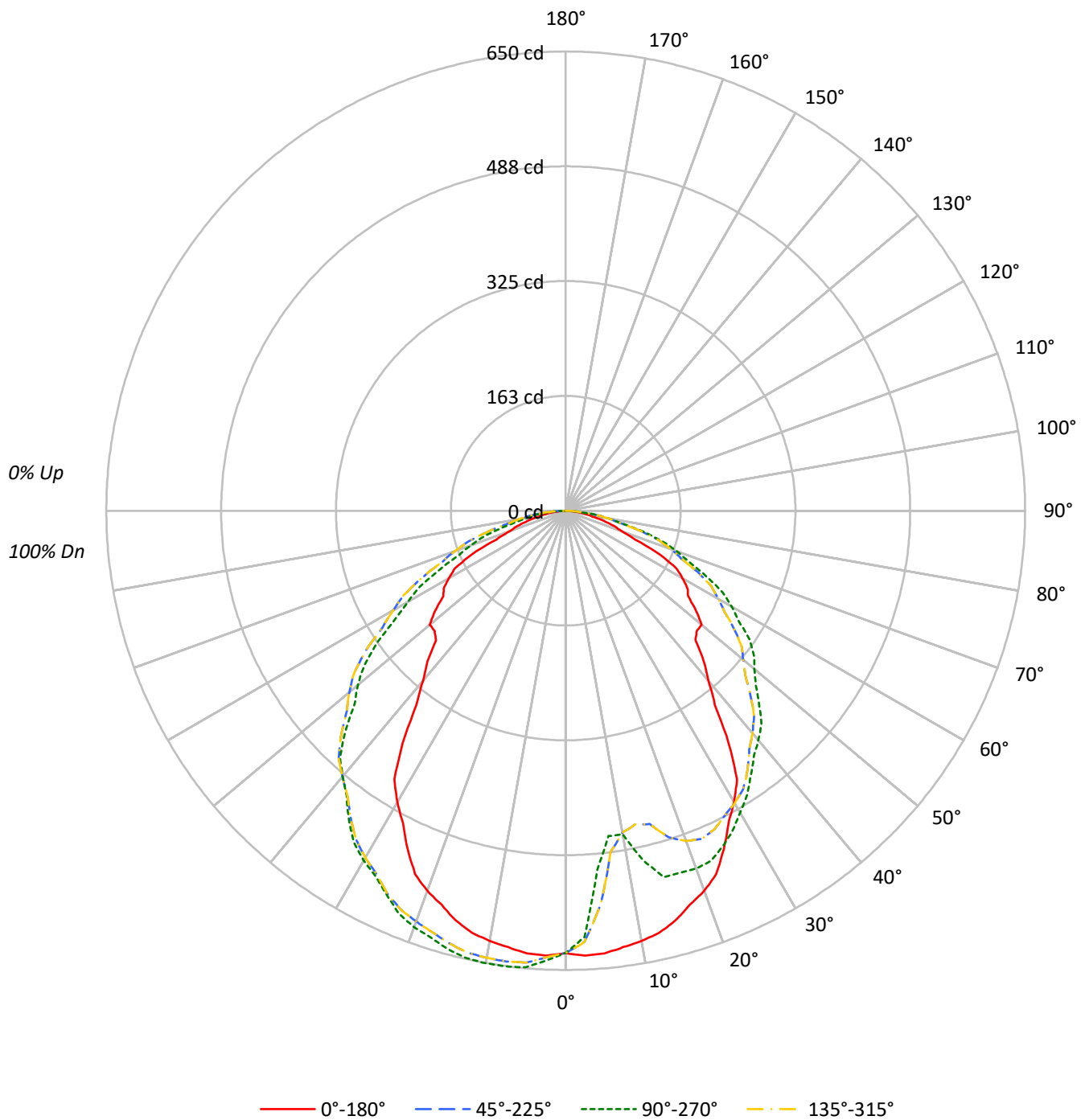
Lumens per Lamp: N/A  
Luminaire Lumens: 1622.3 lumens  
Efficiency: N/A  
Efficacy: 100.1 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 0.29' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 16.2  
Input Voltage (V): 120  
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:

CATALOG NUMBER: SQ4-FA-0U-050D-940-1D-UNV-STD-W-4

### Luminous Intensity Polar Plot



TEST NUMBER:

CATALOG NUMBER: SQ4-FA-0U-050D-940-1D-UNV-STD-W-4

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |  | 20  |     |     |  | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |  | 30  |     |     |  | 10  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 109 | 105 | 100 | 97  | 106 | 102 | 98  | 95  | 98  | 95  | 92  |  | 94  | 92  | 89  |  | 91  |
| 2   | 99  | 91  | 85  | 79  | 97  | 90  | 83  | 78  | 86  | 81  | 76  |  | 83  | 78  | 75  |  | 80  |
| 3   | 91  | 81  | 73  | 66  | 88  | 79  | 72  | 66  | 76  | 70  | 64  |  | 73  | 68  | 63  |  | 71  |
| 4   | 83  | 71  | 63  | 56  | 81  | 70  | 62  | 56  | 68  | 61  | 55  |  | 65  | 59  | 54  |  | 63  |
| 5   | 77  | 64  | 55  | 49  | 75  | 63  | 54  | 48  | 61  | 53  | 48  |  | 59  | 52  | 47  |  | 57  |
| 6   | 71  | 58  | 49  | 42  | 69  | 57  | 48  | 42  | 55  | 47  | 42  |  | 53  | 47  | 41  |  | 52  |
| 7   | 66  | 52  | 44  | 38  | 64  | 51  | 43  | 37  | 50  | 43  | 37  |  | 48  | 42  | 37  |  | 47  |
| 8   | 61  | 48  | 39  | 33  | 60  | 47  | 39  | 33  | 46  | 38  | 33  |  | 44  | 38  | 33  |  | 43  |
| 9   | 57  | 44  | 36  | 30  | 56  | 43  | 35  | 30  | 42  | 35  | 30  |  | 41  | 34  | 30  |  | 40  |
| 10  | 54  | 40  | 33  | 27  | 52  | 40  | 32  | 27  | 39  | 32  | 27  |  | 38  | 32  | 27  |  | 37  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 90°  | 180° | 270° |
|-----|------|------|------|------|
| 0°  | 5777 | 5777 | 5777 | 5777 |
| 5°  | 5825 | 4723 | 5825 | 6007 |
| 10° | 5793 | 4356 | 5793 | 6092 |
| 15° | 5737 | 5125 | 5737 | 6138 |
| 20° | 5623 | 5292 | 5623 | 6158 |
| 25° | 5384 | 5342 | 5384 | 6102 |
| 30° | 5073 | 5256 | 5073 | 6090 |
| 35° | 4530 | 5144 | 4530 | 6024 |
| 40° | 3781 | 5108 | 3781 | 5914 |
| 45° | 3385 | 5047 | 3385 | 5750 |
| 50° | 3604 | 4999 | 3604 | 5509 |
| 55° | 3400 | 5107 | 3400 | 5231 |
| 60° | 3519 | 5006 | 3519 | 4753 |
| 65° | 3207 | 4783 | 3207 | 4279 |
| 70° | 2236 | 4489 | 2236 | 3820 |
| 75° | 1986 | 3971 | 1986 | 3315 |
| 80° | 1636 | 3082 | 1636 | 2832 |
| 85° | 1006 | 2128 | 1006 | 2509 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 230°

Vertical Angle: 45°

Luminance: 5873 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 56.4   | 3.5       |
| 10°-20°   | 160.4  | 9.9       |
| 20°-30°   | 247.9  | 15.3      |
| 30°-40°   | 296.1  | 18.3      |
| 40°-50°   | 298.0  | 18.4      |
| 50°-60°   | 258.8  | 15.9      |
| 60°-70°   | 183.2  | 11.3      |
| 70°-80°   | 96.9   | 6.0       |
| 80°-90°   | 24.6   | 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°    | 464.7  | 28.6      |
| 0°-40°    | 760.8  | 46.9      |
| 0°-60°    | 1317.6 | 81.2      |
| 0°-90°    | 1622.3 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1622.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 90° | 180° | 270° | 360° | Flux |
|-----|-----|-----|------|------|------|------|
| 0°  | 626 | 626 | 626  | 626  | 626  |      |
| 5°  | 629 | 510 | 629  | 649  | 629  | 60   |
| 15° | 601 | 537 | 601  | 643  | 601  | 169  |
| 25° | 529 | 525 | 529  | 599  | 529  | 243  |
| 35° | 402 | 457 | 402  | 535  | 402  | 248  |
| 45° | 259 | 387 | 259  | 441  | 259  | 209  |
| 55° | 211 | 318 | 211  | 325  | 211  | 195  |
| 65° | 147 | 219 | 147  | 196  | 147  | 140  |
| 75° | 56  | 111 | 56   | 93   | 56   | 59   |
| 85° | 10  | 20  | 10   | 24   | 10   | 14   |
| 90° | 0   | 0   | 0    | 0    | 0    |      |

TEST NUMBER:

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 10°   | 20°   | 30°   | 40°   | 50°   | 60°   | 70°   | 80°   | 90°   | 100°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 |
| 2.5°  | 630.3 | 625.6 | 623.7 | 619.9 | 612.8 | 609.0 | 611.8 | 607.1 | 609.0 | 603.8 | 609.0 |
| 5°    | 629.0 | 618.4 | 609.5 | 594.7 | 573.3 | 548.5 | 542.5 | 527.1 | 517.7 | 510.0 | 517.7 |
| 7.5°  | 623.1 | 604.9 | 577.7 | 532.5 | 496.1 | 478.3 | 474.0 | 469.6 | 468.4 | 464.5 | 468.4 |
| 10°   | 618.4 | 593.5 | 543.1 | 492.2 | 466.7 | 458.4 | 460.2 | 462.0 | 465.5 | 465.0 | 465.5 |
| 12.5° | 611.7 | 573.6 | 507.1 | 471.8 | 454.9 | 454.6 | 467.8 | 491.4 | 507.7 | 506.6 | 507.7 |
| 15°   | 600.6 | 535.4 | 473.2 | 450.7 | 445.4 | 472.7 | 520.6 | 531.9 | 536.0 | 536.6 | 536.0 |
| 17.5° | 584.6 | 498.1 | 451.6 | 436.8 | 454.9 | 514.1 | 528.7 | 533.8 | 537.3 | 537.6 | 537.3 |
| 20°   | 572.7 | 479.2 | 440.7 | 430.6 | 478.6 | 516.5 | 525.4 | 531.9 | 537.8 | 539.0 | 537.8 |
| 22.5° | 556.6 | 465.9 | 429.3 | 426.3 | 491.8 | 514.1 | 522.0 | 531.9 | 536.9 | 536.6 | 536.9 |
| 25°   | 528.9 | 449.6 | 415.2 | 421.7 | 493.4 | 501.7 | 517.1 | 523.6 | 524.2 | 524.8 | 524.2 |
| 27.5° | 498.5 | 435.2 | 398.7 | 424.8 | 483.8 | 489.7 | 506.3 | 509.6 | 511.9 | 510.9 | 511.9 |
| 30°   | 476.2 | 425.3 | 387.4 | 425.3 | 476.2 | 479.8 | 496.3 | 498.7 | 495.8 | 493.4 | 495.8 |
| 32.5° | 451.1 | 412.9 | 376.5 | 422.0 | 464.8 | 469.8 | 483.1 | 482.1 | 479.2 | 477.3 | 479.2 |
| 35°   | 402.2 | 392.1 | 356.6 | 411.1 | 445.4 | 451.9 | 459.6 | 459.0 | 458.4 | 456.7 | 458.4 |
| 37.5° | 347.1 | 367.5 | 336.9 | 394.1 | 426.7 | 426.2 | 437.7 | 440.2 | 439.6 | 437.4 | 439.6 |
| 40°   | 313.9 | 347.1 | 324.6 | 380.8 | 413.4 | 408.7 | 423.5 | 426.5 | 425.9 | 424.1 | 425.9 |
| 42.5° | 289.3 | 320.1 | 310.4 | 364.7 | 397.3 | 391.6 | 409.7 | 412.7 | 411.2 | 409.9 | 411.2 |
| 45°   | 259.4 | 264.8 | 288.4 | 338.8 | 370.2 | 369.6 | 389.1 | 392.1 | 388.5 | 386.8 | 388.5 |
| 47.5° | 251.6 | 213.5 | 264.5 | 308.7 | 343.3 | 345.5 | 366.5 | 369.1 | 365.9 | 364.4 | 365.9 |
| 50°   | 251.1 | 188.3 | 247.0 | 285.5 | 325.8 | 329.9 | 351.8 | 353.0 | 348.9 | 348.3 | 348.9 |
| 52.5° | 232.7 | 174.1 | 226.6 | 265.1 | 310.6 | 315.7 | 335.7 | 335.5 | 335.1 | 335.9 | 335.1 |
| 55°   | 211.4 | 157.0 | 191.3 | 235.1 | 287.3 | 293.8 | 311.5 | 312.1 | 316.3 | 317.5 | 316.3 |
| 57.5° | 204.5 | 137.5 | 158.6 | 209.2 | 263.8 | 268.9 | 285.6 | 287.0 | 289.9 | 289.8 | 289.9 |
| 60°   | 190.7 | 123.8 | 139.2 | 193.1 | 245.8 | 252.3 | 267.1 | 269.5 | 271.9 | 271.3 | 271.9 |
| 62.5° | 176.5 | 114.3 | 129.7 | 179.8 | 228.7 | 235.7 | 245.8 | 250.1 | 251.0 | 249.9 | 251.0 |
| 65°   | 146.9 | 101.9 | 114.9 | 158.7 | 202.6 | 210.3 | 216.8 | 219.7 | 220.3 | 219.1 | 220.3 |
| 67.5° | 106.1 | 90.4  | 103.3 | 137.9 | 172.5 | 181.1 | 184.9 | 186.7 | 186.1 | 188.2 | 186.1 |
| 70°   | 82.9  | 82.3  | 94.8  | 123.2 | 154.0 | 161.7 | 164.1 | 165.8 | 165.3 | 166.4 | 165.3 |
| 72.5° | 71.5  | 75.7  | 85.8  | 108.0 | 133.1 | 140.8 | 142.3 | 142.6 | 144.4 | 143.2 | 144.4 |
| 75°   | 55.7  | 64.6  | 71.1  | 85.3  | 104.2 | 109.6 | 110.2 | 110.8 | 109.6 | 111.4 | 109.6 |
| 77.5° | 38.9  | 49.2  | 55.0  | 63.1  | 75.9  | 79.2  | 79.1  | 79.5  | 78.5  | 78.4  | 78.5  |
| 80°   | 30.8  | 37.3  | 42.6  | 48.0  | 57.5  | 59.8  | 59.2  | 58.6  | 58.6  | 58.0  | 58.6  |
| 82.5° | 22.7  | 26.4  | 31.3  | 35.2  | 41.3  | 41.8  | 42.6  | 41.6  | 41.6  | 42.4  | 41.6  |
| 85°   | 9.5   | 12.4  | 16.0  | 17.8  | 20.1  | 20.7  | 19.5  | 21.3  | 20.1  | 20.1  | 20.1  |
| 87.5° | 2.4   | 3.8   | 5.7   | 6.6   | 7.1   | 6.6   | 6.6   | 5.7   | 5.7   | 5.7   | 5.7   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

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**CANDELA DISTRIBUTION (continued):**

|       | 110°  | 120°  | 130°  | 140°  | 150°  | 160°  | 170°  | 180°  | 190°  | 200°  | 210°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 |
| 2.5°  | 607.1 | 611.8 | 609.0 | 612.8 | 619.9 | 623.7 | 625.6 | 630.3 | 630.3 | 633.2 | 634.1 |
| 5°    | 527.1 | 542.5 | 548.5 | 573.3 | 594.7 | 609.5 | 618.4 | 629.0 | 633.8 | 640.3 | 642.6 |
| 7.5°  | 469.6 | 474.0 | 478.3 | 496.1 | 532.5 | 577.7 | 604.9 | 623.1 | 632.7 | 641.2 | 644.7 |
| 10°   | 462.0 | 460.2 | 458.4 | 466.7 | 492.2 | 543.1 | 593.5 | 618.4 | 630.8 | 640.3 | 643.2 |
| 12.5° | 491.4 | 467.8 | 454.6 | 454.9 | 471.8 | 507.1 | 573.6 | 611.7 | 628.0 | 637.0 | 640.4 |
| 15°   | 531.9 | 520.6 | 472.7 | 445.4 | 450.7 | 473.2 | 535.4 | 600.6 | 620.7 | 629.0 | 634.3 |
| 17.5° | 533.8 | 528.7 | 514.1 | 454.9 | 436.8 | 451.6 | 498.1 | 584.6 | 610.2 | 620.0 | 624.8 |
| 20°   | 531.9 | 525.4 | 516.5 | 478.6 | 430.6 | 440.7 | 479.2 | 572.7 | 601.2 | 612.4 | 617.2 |
| 22.5° | 531.9 | 522.0 | 514.1 | 491.8 | 426.3 | 429.3 | 465.9 | 556.6 | 591.7 | 603.4 | 608.2 |
| 25°   | 523.6 | 517.1 | 501.7 | 493.4 | 421.7 | 415.2 | 449.6 | 528.9 | 576.3 | 586.4 | 593.5 |
| 27.5° | 509.6 | 506.3 | 489.7 | 483.8 | 424.8 | 398.7 | 435.2 | 498.5 | 555.1 | 569.4 | 577.1 |
| 30°   | 498.7 | 496.3 | 479.8 | 476.2 | 425.3 | 387.4 | 425.3 | 476.2 | 536.6 | 556.2 | 566.2 |
| 32.5° | 482.1 | 483.1 | 469.8 | 464.8 | 422.0 | 376.5 | 412.9 | 451.1 | 509.1 | 542.4 | 554.4 |
| 35°   | 459.0 | 459.6 | 451.9 | 445.4 | 411.1 | 356.6 | 392.1 | 402.2 | 475.6 | 523.0 | 533.1 |
| 37.5° | 440.2 | 437.7 | 426.2 | 426.7 | 394.1 | 336.9 | 367.5 | 347.1 | 445.3 | 502.5 | 509.8 |
| 40°   | 426.5 | 423.5 | 408.7 | 413.4 | 380.8 | 324.6 | 347.1 | 313.9 | 416.4 | 486.9 | 492.8 |
| 42.5° | 412.7 | 409.7 | 391.6 | 397.3 | 364.7 | 310.4 | 320.1 | 289.3 | 384.6 | 470.3 | 471.9 |
| 45°   | 392.1 | 389.1 | 369.6 | 370.2 | 338.8 | 288.4 | 264.8 | 259.4 | 366.0 | 443.6 | 443.6 |
| 47.5° | 369.1 | 366.5 | 345.5 | 343.3 | 308.7 | 264.5 | 213.5 | 251.6 | 340.0 | 415.0 | 414.7 |
| 50°   | 353.0 | 351.8 | 329.9 | 325.8 | 285.5 | 247.0 | 188.3 | 251.1 | 321.0 | 390.3 | 396.2 |
| 52.5° | 335.5 | 335.7 | 315.7 | 310.6 | 265.1 | 226.6 | 174.1 | 232.7 | 297.8 | 358.6 | 377.3 |
| 55°   | 312.1 | 311.5 | 293.8 | 287.3 | 235.1 | 191.3 | 157.0 | 211.4 | 261.8 | 314.5 | 345.9 |
| 57.5° | 287.0 | 285.6 | 268.9 | 263.8 | 209.2 | 158.6 | 137.5 | 204.5 | 205.9 | 274.2 | 314.3 |
| 60°   | 269.5 | 267.1 | 252.3 | 245.8 | 193.1 | 139.2 | 123.8 | 190.7 | 157.6 | 245.8 | 289.6 |
| 62.5° | 250.1 | 245.8 | 235.7 | 228.7 | 179.8 | 129.7 | 114.3 | 176.5 | 123.0 | 213.6 | 265.9 |
| 65°   | 219.7 | 216.8 | 210.3 | 202.6 | 158.7 | 114.9 | 101.9 | 146.9 | 96.0  | 146.3 | 231.0 |
| 67.5° | 186.7 | 184.9 | 181.1 | 172.5 | 137.9 | 103.3 | 90.4  | 106.1 | 73.0  | 92.9  | 197.7 |
| 70°   | 165.8 | 164.1 | 161.7 | 154.0 | 123.2 | 94.8  | 82.3  | 82.9  | 52.1  | 68.7  | 175.9 |
| 72.5° | 142.6 | 142.3 | 140.8 | 133.1 | 108.0 | 85.8  | 75.7  | 71.5  | 44.1  | 54.0  | 153.6 |
| 75°   | 110.8 | 110.2 | 109.6 | 104.2 | 85.3  | 71.1  | 64.6  | 55.7  | 44.4  | 38.5  | 120.2 |
| 77.5° | 79.5  | 79.1  | 79.2  | 75.9  | 63.1  | 55.0  | 49.2  | 38.9  | 39.7  | 29.3  | 90.0  |
| 80°   | 58.6  | 59.2  | 59.8  | 57.5  | 48.0  | 42.6  | 37.3  | 30.8  | 32.6  | 23.1  | 68.7  |
| 82.5° | 41.6  | 42.6  | 41.8  | 41.3  | 35.2  | 31.3  | 26.4  | 22.7  | 23.1  | 18.4  | 51.2  |
| 85°   | 21.3  | 19.5  | 20.7  | 20.1  | 17.8  | 16.0  | 12.4  | 9.5   | 11.8  | 10.7  | 25.5  |
| 87.5° | 5.7   | 6.6   | 6.6   | 7.1   | 6.6   | 5.7   | 3.8   | 2.4   | 4.3   | 5.2   | 10.4  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

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**CANDELA DISTRIBUTION (continued):**

|       | 220°  | 230°  | 240°  | 250°  | 260°  | 270°  | 280°  | 290°  | 300°  | 310°  | 320°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 |
| 2.5°  | 632.7 | 632.7 | 637.0 | 637.9 | 638.8 | 637.4 | 638.8 | 637.9 | 637.0 | 632.7 | 632.7 |
| 5°    | 642.0 | 642.0 | 648.0 | 649.7 | 649.7 | 648.6 | 649.7 | 649.7 | 648.0 | 642.0 | 642.0 |
| 7.5°  | 642.9 | 643.8 | 649.7 | 651.1 | 652.1 | 650.3 | 652.1 | 651.1 | 649.7 | 643.8 | 642.9 |
| 10°   | 641.5 | 643.8 | 649.7 | 651.5 | 652.1 | 650.3 | 652.1 | 651.5 | 649.7 | 643.8 | 641.5 |
| 12.5° | 639.6 | 641.5 | 647.4 | 648.7 | 649.7 | 648.4 | 649.7 | 648.7 | 647.4 | 641.5 | 639.6 |
| 15°   | 633.2 | 635.5 | 642.0 | 643.2 | 644.4 | 642.6 | 644.4 | 643.2 | 642.0 | 635.5 | 633.2 |
| 17.5° | 624.3 | 627.2 | 633.2 | 635.1 | 635.7 | 633.4 | 635.7 | 635.1 | 633.2 | 627.2 | 624.3 |
| 20°   | 617.2 | 620.1 | 626.1 | 628.4 | 629.0 | 627.2 | 629.0 | 628.4 | 626.1 | 620.1 | 617.2 |
| 22.5° | 608.2 | 613.0 | 618.5 | 619.4 | 618.6 | 616.8 | 618.6 | 619.4 | 618.5 | 613.0 | 608.2 |
| 25°   | 595.3 | 599.4 | 601.2 | 601.2 | 601.2 | 599.4 | 601.2 | 601.2 | 601.2 | 599.4 | 595.3 |
| 27.5° | 578.8 | 580.9 | 582.0 | 582.9 | 584.1 | 582.9 | 584.1 | 582.9 | 582.0 | 580.9 | 578.8 |
| 30°   | 567.4 | 566.2 | 569.2 | 571.6 | 572.7 | 571.6 | 572.7 | 571.6 | 569.2 | 566.2 | 567.4 |
| 32.5° | 551.8 | 552.5 | 556.9 | 558.3 | 558.5 | 557.3 | 558.5 | 558.3 | 556.9 | 552.5 | 551.8 |
| 35°   | 528.9 | 531.9 | 534.8 | 536.0 | 536.6 | 534.8 | 536.6 | 536.0 | 534.8 | 531.9 | 528.9 |
| 37.5° | 504.8 | 510.0 | 512.1 | 510.8 | 510.9 | 509.0 | 510.9 | 510.8 | 512.1 | 510.0 | 504.8 |
| 40°   | 488.6 | 493.4 | 494.6 | 492.8 | 493.4 | 491.0 | 493.4 | 492.8 | 494.6 | 493.4 | 488.6 |
| 42.5° | 473.5 | 477.3 | 476.1 | 473.8 | 473.5 | 472.5 | 473.5 | 473.8 | 476.1 | 477.3 | 473.5 |
| 45°   | 448.4 | 450.1 | 444.8 | 443.0 | 441.9 | 440.7 | 441.9 | 443.0 | 444.8 | 450.1 | 448.4 |
| 47.5° | 420.9 | 418.5 | 413.4 | 410.7 | 407.4 | 405.1 | 407.4 | 410.7 | 413.4 | 418.5 | 420.9 |
| 50°   | 403.4 | 396.2 | 392.1 | 385.6 | 383.2 | 383.8 | 383.2 | 385.6 | 392.1 | 396.2 | 403.4 |
| 52.5° | 382.0 | 373.5 | 367.0 | 361.4 | 359.5 | 359.2 | 359.5 | 361.4 | 367.0 | 373.5 | 382.0 |
| 55°   | 351.2 | 338.2 | 327.5 | 324.6 | 324.0 | 325.2 | 324.0 | 324.6 | 327.5 | 338.2 | 351.2 |
| 57.5° | 313.4 | 300.6 | 291.9 | 289.5 | 287.5 | 285.6 | 287.5 | 289.5 | 291.9 | 300.6 | 313.4 |
| 60°   | 287.9 | 276.0 | 267.7 | 265.3 | 260.0 | 257.6 | 260.0 | 265.3 | 267.7 | 276.0 | 287.9 |
| 62.5° | 265.1 | 250.9 | 244.5 | 239.8 | 235.9 | 232.1 | 235.9 | 239.8 | 244.5 | 250.9 | 265.1 |
| 65°   | 232.2 | 215.6 | 209.1 | 204.9 | 197.8 | 196.0 | 197.8 | 204.9 | 209.1 | 215.6 | 232.2 |
| 67.5° | 196.2 | 181.7 | 173.5 | 168.0 | 163.5 | 163.4 | 163.5 | 168.0 | 173.5 | 181.7 | 196.2 |
| 70°   | 172.9 | 159.9 | 152.2 | 145.7 | 142.2 | 141.6 | 142.2 | 145.7 | 152.2 | 159.9 | 172.9 |
| 72.5° | 150.2 | 137.6 | 130.9 | 124.9 | 121.8 | 121.2 | 121.8 | 124.9 | 130.9 | 137.6 | 150.2 |
| 75°   | 117.9 | 106.0 | 100.7 | 96.5  | 94.2  | 93.0  | 94.2  | 96.5  | 100.7 | 106.0 | 117.9 |
| 77.5° | 87.2  | 77.6  | 74.9  | 70.6  | 68.6  | 68.5  | 68.6  | 70.6  | 74.9  | 77.6  | 87.2  |
| 80°   | 68.7  | 61.0  | 56.9  | 54.5  | 53.9  | 53.3  | 53.9  | 54.5  | 56.9  | 61.0  | 68.7  |
| 82.5° | 49.8  | 45.4  | 42.6  | 41.2  | 41.1  | 40.0  | 41.1  | 41.2  | 42.6  | 45.4  | 49.8  |
| 85°   | 26.7  | 25.5  | 24.9  | 24.3  | 23.7  | 23.7  | 23.7  | 24.3  | 24.9  | 25.5  | 26.7  |
| 87.5° | 10.9  | 11.4  | 11.4  | 11.8  | 12.3  | 11.8  | 12.3  | 11.8  | 11.4  | 11.4  | 10.9  |
| 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:

CATALOG NUMBER: SQ4-FA-0U-050D-940-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

|       | 330°  | 340°  | 350°  | 360°  |
|-------|-------|-------|-------|-------|
| 0°    | 626.1 | 626.1 | 626.1 | 626.1 |
| 2.5°  | 634.1 | 633.2 | 630.3 | 630.3 |
| 5°    | 642.6 | 640.3 | 633.8 | 629.0 |
| 7.5°  | 644.7 | 641.2 | 632.7 | 623.1 |
| 10°   | 643.2 | 640.3 | 630.8 | 618.4 |
| 12.5° | 640.4 | 637.0 | 628.0 | 611.7 |
| 15°   | 634.3 | 629.0 | 620.7 | 600.6 |
| 17.5° | 624.8 | 620.0 | 610.2 | 584.6 |
| 20°   | 617.2 | 612.4 | 601.2 | 572.7 |
| 22.5° | 608.2 | 603.4 | 591.7 | 556.6 |
| 25°   | 593.5 | 586.4 | 576.3 | 528.9 |
| 27.5° | 577.1 | 569.4 | 555.1 | 498.5 |
| 30°   | 566.2 | 556.2 | 536.6 | 476.2 |
| 32.5° | 554.4 | 542.4 | 509.1 | 451.1 |
| 35°   | 533.1 | 523.0 | 475.6 | 402.2 |
| 37.5° | 509.8 | 502.5 | 445.3 | 347.1 |
| 40°   | 492.8 | 486.9 | 416.4 | 313.9 |
| 42.5° | 471.9 | 470.3 | 384.6 | 289.3 |
| 45°   | 443.6 | 443.6 | 366.0 | 259.4 |
| 47.5° | 414.7 | 415.0 | 340.0 | 251.6 |
| 50°   | 396.2 | 390.3 | 321.0 | 251.1 |
| 52.5° | 377.3 | 358.6 | 297.8 | 232.7 |
| 55°   | 345.9 | 314.5 | 261.8 | 211.4 |
| 57.5° | 314.3 | 274.2 | 205.9 | 204.5 |
| 60°   | 289.6 | 245.8 | 157.6 | 190.7 |
| 62.5° | 265.9 | 213.6 | 123.0 | 176.5 |
| 65°   | 231.0 | 146.3 | 96.0  | 146.9 |
| 67.5° | 197.7 | 92.9  | 73.0  | 106.1 |
| 70°   | 175.9 | 68.7  | 52.1  | 82.9  |
| 72.5° | 153.6 | 54.0  | 44.1  | 71.5  |
| 75°   | 120.2 | 38.5  | 44.4  | 55.7  |
| 77.5° | 90.0  | 29.3  | 39.7  | 38.9  |
| 80°   | 68.7  | 23.1  | 32.6  | 30.8  |
| 82.5° | 51.2  | 18.4  | 23.1  | 22.7  |
| 85°   | 25.5  | 10.7  | 11.8  | 9.5   |
| 87.5° | 10.4  | 5.2   | 4.3   | 2.4   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)