

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-075D-840-1D-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-075D-840-1D-UNV-STD-W-4  
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE  
DOWNLIGHT 750 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

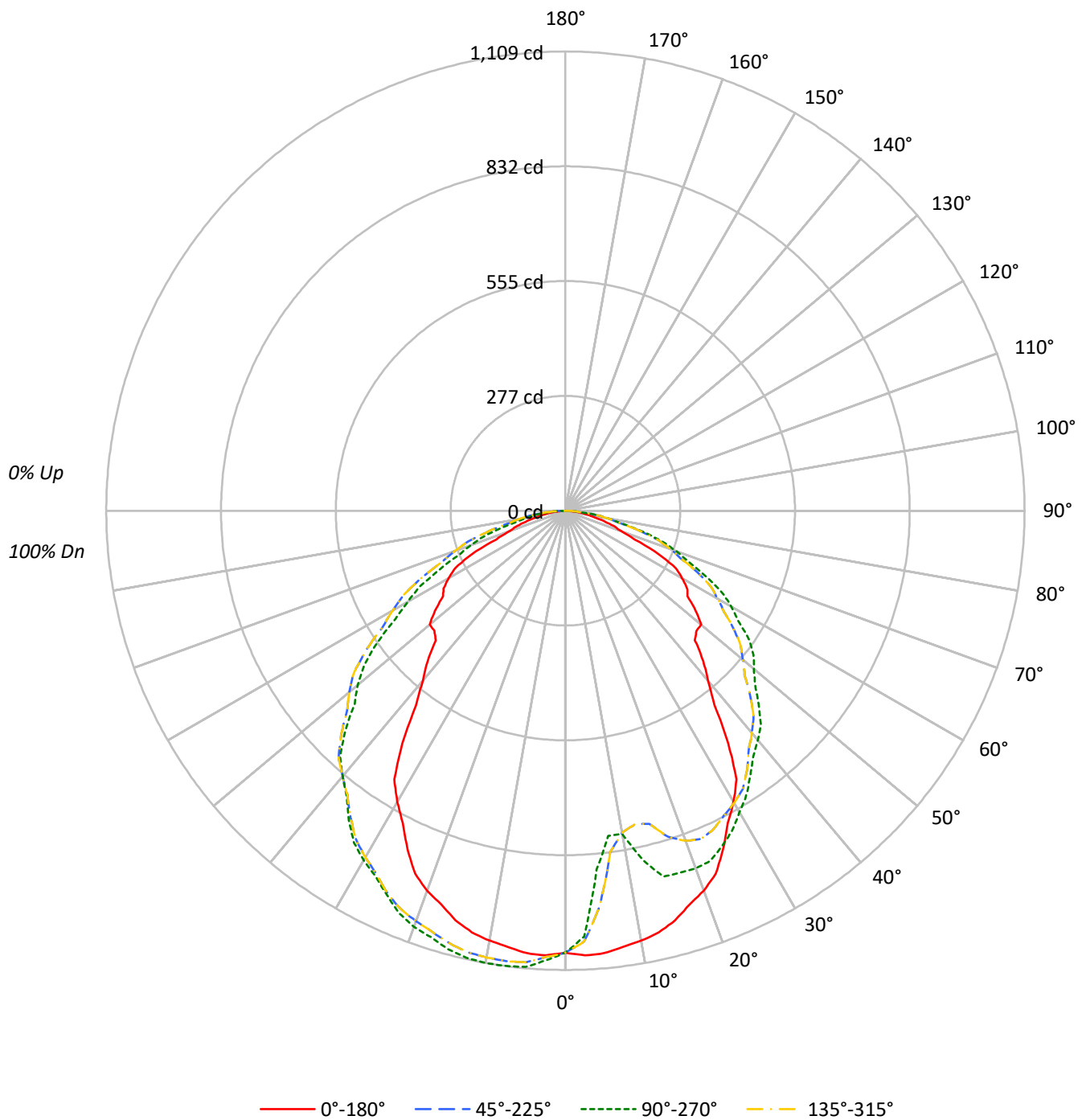
Lumens per Lamp: N/A  
Luminaire Lumens: 2766.1 lumens  
Efficiency: N/A  
Efficacy: 115.3 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 0.29' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 24  
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-075D-840-1D-UNV-STD-W-4

### Luminous Intensity Polar Plot



TEST NUMBER:

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

|     |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |  | 20  |     |     |  | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |  | 30  |     |     |  | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 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 |  | 100 |
| 1   | 109 | 105 | 100 | 97  | 106 | 102 | 98  | 95  | 98  | 95  | 92  |  | 94  | 92  | 89  |  | 85  |
| 2   | 99  | 91  | 85  | 79  | 97  | 90  | 83  | 78  | 86  | 81  | 76  |  | 83  | 78  | 75  |  | 71  |
| 3   | 91  | 81  | 73  | 66  | 88  | 79  | 72  | 66  | 76  | 70  | 64  |  | 73  | 68  | 63  |  | 60  |
| 4   | 83  | 71  | 63  | 56  | 81  | 70  | 62  | 56  | 68  | 61  | 55  |  | 65  | 59  | 54  |  | 51  |
| 5   | 77  | 64  | 55  | 49  | 75  | 63  | 54  | 48  | 61  | 53  | 48  |  | 59  | 52  | 47  |  | 45  |
| 6   | 71  | 58  | 49  | 42  | 69  | 57  | 48  | 42  | 55  | 47  | 42  |  | 53  | 47  | 41  |  | 39  |
| 7   | 66  | 52  | 44  | 38  | 64  | 51  | 43  | 37  | 50  | 43  | 37  |  | 48  | 42  | 37  |  | 35  |
| 8   | 61  | 48  | 39  | 33  | 60  | 47  | 39  | 33  | 46  | 38  | 33  |  | 44  | 38  | 33  |  | 31  |
| 9   | 57  | 44  | 36  | 30  | 56  | 43  | 35  | 30  | 42  | 35  | 30  |  | 41  | 34  | 30  |  | 28  |
| 10  | 54  | 40  | 33  | 27  | 52  | 40  | 32  | 27  | 39  | 32  | 27  |  | 38  | 32  | 27  |  | 25  |

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

|     | 0°   | 90°  | 180° | 270°  |
|-----|------|------|------|-------|
| 0°  | 9848 | 9848 | 9848 | 9848  |
| 5°  | 9933 | 8053 | 9933 | 10241 |
| 10° | 9877 | 7426 | 9877 | 10388 |
| 15° | 9781 | 8739 | 9781 | 10466 |
| 20° | 9588 | 9023 | 9588 | 10500 |
| 25° | 9180 | 9108 | 9180 | 10404 |
| 30° | 8650 | 8962 | 8650 | 10382 |
| 35° | 7723 | 8769 | 7723 | 10271 |
| 40° | 6446 | 8709 | 6446 | 10083 |
| 45° | 5771 | 8604 | 5771 | 9803  |
| 50° | 6146 | 8523 | 6146 | 9393  |
| 55° | 5799 | 8707 | 5799 | 8918  |
| 60° | 6001 | 8534 | 6001 | 8106  |
| 65° | 5466 | 8156 | 5466 | 7298  |
| 70° | 3814 | 7656 | 3814 | 6512  |
| 75° | 3383 | 6769 | 3383 | 5650  |
| 80° | 2789 | 5260 | 2789 | 4830  |
| 85° | 1715 | 3631 | 1715 | 4277  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 230°

Vertical Angle: 45°

Luminance: 10014 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 96.2   | 3.5       |
| 10°-20°   | 273.5  | 9.9       |
| 20°-30°   | 422.6  | 15.3      |
| 30°-40°   | 504.9  | 18.3      |
| 40°-50°   | 508.2  | 18.4      |
| 50°-60°   | 441.2  | 16.0      |
| 60°-70°   | 312.3  | 11.3      |
| 70°-80°   | 165.2  | 6.0       |
| 80°-90°   | 42.0   | 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°    | 792.3  | 28.6      |
| 0°-40°    | 1297.2 | 46.9      |
| 0°-60°    | 2246.6 | 81.2      |
| 0°-90°    | 2766.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2766.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1067 | 1067 | 1067 | 1067 | 1067 |      |
| 5°  | 1072 | 870  | 1072 | 1106 | 1072 | 102  |
| 15° | 1024 | 915  | 1024 | 1096 | 1024 | 288  |
| 25° | 902  | 895  | 902  | 1022 | 902  | 414  |
| 35° | 686  | 779  | 686  | 912  | 686  | 423  |
| 45° | 442  | 659  | 442  | 751  | 442  | 356  |
| 55° | 360  | 541  | 360  | 554  | 360  | 332  |
| 65° | 250  | 374  | 250  | 334  | 250  | 238  |
| 75° | 95   | 190  | 95   | 158  | 95   | 100  |
| 85° | 16   | 34   | 16   | 40   | 16   | 23   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 10°    | 20°    | 30°    | 40°    | 50°    | 60°    | 70°    | 80°    | 90°    | 100°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1067.4 | 1067.4 | 1067.4 | 1067.4 | 1067.4 | 1067.4 | 1067.4 | 1067.4 | 1067.4 | 1067.4 | 1067.4 |
| 2.5°  | 1074.7 | 1066.6 | 1063.4 | 1056.9 | 1044.8 | 1038.3 | 1043.2 | 1035.1 | 1038.3 | 1029.4 | 1038.3 |
| 5°    | 1072.5 | 1054.3 | 1039.1 | 1013.9 | 977.5  | 935.1  | 925.0  | 898.8  | 882.6  | 869.5  | 882.6  |
| 7.5°  | 1062.4 | 1031.3 | 985.0  | 907.9  | 845.9  | 815.6  | 808.1  | 800.6  | 798.6  | 791.9  | 798.6  |
| 10°   | 1054.3 | 1011.9 | 926.0  | 839.2  | 795.8  | 781.6  | 784.7  | 787.7  | 793.7  | 792.7  | 793.7  |
| 12.5° | 1043.0 | 977.9  | 864.6  | 804.4  | 775.6  | 775.2  | 797.6  | 837.8  | 865.6  | 863.8  | 865.6  |
| 15°   | 1024.0 | 912.9  | 806.9  | 768.5  | 759.4  | 805.9  | 887.7  | 906.8  | 913.9  | 914.9  | 913.9  |
| 17.5° | 996.7  | 849.3  | 769.9  | 744.7  | 775.6  | 876.6  | 901.4  | 910.1  | 916.1  | 916.5  | 916.1  |
| 20°   | 976.5  | 817.0  | 751.3  | 734.2  | 816.0  | 880.6  | 895.7  | 906.8  | 916.9  | 919.0  | 916.9  |
| 22.5° | 949.1  | 794.3  | 731.9  | 726.9  | 838.6  | 876.6  | 890.1  | 906.8  | 915.3  | 914.9  | 915.3  |
| 25°   | 901.8  | 766.5  | 707.9  | 719.0  | 841.2  | 855.3  | 881.6  | 892.7  | 893.7  | 894.7  | 893.7  |
| 27.5° | 849.9  | 742.0  | 679.8  | 724.3  | 824.8  | 834.9  | 863.2  | 868.9  | 872.7  | 871.1  | 872.7  |
| 30°   | 811.9  | 725.1  | 660.4  | 725.1  | 811.9  | 818.0  | 846.3  | 850.3  | 845.2  | 841.2  | 845.2  |
| 32.5° | 769.1  | 704.1  | 641.9  | 719.4  | 792.5  | 801.0  | 823.6  | 822.0  | 817.0  | 813.7  | 817.0  |
| 35°   | 685.7  | 668.5  | 607.9  | 700.8  | 759.4  | 770.5  | 783.6  | 782.6  | 781.6  | 778.6  | 781.6  |
| 37.5° | 591.8  | 626.5  | 574.4  | 672.0  | 727.5  | 726.7  | 746.3  | 750.5  | 749.5  | 745.7  | 749.5  |
| 40°   | 535.2  | 591.8  | 553.4  | 649.3  | 704.9  | 696.8  | 722.0  | 727.1  | 726.1  | 723.1  | 726.1  |
| 42.5° | 493.2  | 545.7  | 529.2  | 621.9  | 677.4  | 667.7  | 698.6  | 703.7  | 701.0  | 698.8  | 701.0  |
| 45°   | 442.3  | 451.4  | 491.8  | 577.6  | 631.2  | 630.1  | 663.5  | 668.5  | 662.5  | 659.4  | 662.5  |
| 47.5° | 429.0  | 364.0  | 451.0  | 526.3  | 585.3  | 589.1  | 624.9  | 629.3  | 623.9  | 621.3  | 623.9  |
| 50°   | 428.2  | 321.1  | 421.1  | 486.7  | 555.4  | 562.5  | 599.9  | 601.9  | 594.8  | 593.8  | 594.8  |
| 52.5° | 396.7  | 296.9  | 386.4  | 452.0  | 529.6  | 538.3  | 572.4  | 572.0  | 571.4  | 572.8  | 571.4  |
| 55°   | 360.5  | 267.6  | 326.2  | 400.9  | 489.8  | 500.9  | 531.2  | 532.2  | 539.3  | 541.3  | 539.3  |
| 57.5° | 348.6  | 234.5  | 270.4  | 356.7  | 449.8  | 458.5  | 487.0  | 489.4  | 494.2  | 494.0  | 494.2  |
| 60°   | 325.2  | 211.1  | 237.3  | 329.2  | 419.1  | 430.2  | 455.4  | 459.5  | 463.5  | 462.5  | 463.5  |
| 62.5° | 300.9  | 194.9  | 221.2  | 306.6  | 390.0  | 401.9  | 419.1  | 426.4  | 428.0  | 426.2  | 428.0  |
| 65°   | 250.4  | 173.7  | 195.9  | 270.6  | 345.4  | 358.5  | 369.6  | 374.7  | 375.7  | 373.6  | 375.7  |
| 67.5° | 181.0  | 154.1  | 176.1  | 235.1  | 294.1  | 308.8  | 315.3  | 318.3  | 317.3  | 320.9  | 317.3  |
| 70°   | 141.4  | 140.4  | 161.6  | 210.0  | 262.6  | 275.7  | 279.7  | 282.8  | 281.7  | 283.8  | 281.7  |
| 72.5° | 122.0  | 129.1  | 146.2  | 184.2  | 227.0  | 240.1  | 242.6  | 243.2  | 246.2  | 244.2  | 246.2  |
| 75°   | 94.9   | 110.1  | 121.2  | 145.4  | 177.7  | 186.8  | 187.8  | 188.8  | 186.8  | 189.9  | 186.8  |
| 77.5° | 66.2   | 83.8   | 93.7   | 107.7  | 129.5  | 135.1  | 134.9  | 135.5  | 133.9  | 133.7  | 133.9  |
| 80°   | 52.5   | 63.6   | 72.7   | 81.8   | 98.0   | 102.0  | 101.0  | 100.0  | 100.0  | 99.0   | 100.0  |
| 82.5° | 38.8   | 45.0   | 53.3   | 60.0   | 70.5   | 71.3   | 72.7   | 70.9   | 70.9   | 72.3   | 70.9   |
| 85°   | 16.2   | 21.2   | 27.3   | 30.3   | 34.3   | 35.3   | 33.3   | 36.4   | 34.3   | 34.3   | 34.3   |
| 87.5° | 4.0    | 6.5    | 9.7    | 11.3   | 12.1   | 11.3   | 11.3   | 9.7    | 9.7    | 9.7    | 9.7    |
| 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°    | 1067.4 | 1067.4 | 1067.4 | 1067.4 | 1067.4 | 1067.4 | 1067.4 | 1067.4 | 1067.4 | 1067.4 | 1067.4 |
| 2.5°  | 1035.1 | 1043.2 | 1038.3 | 1044.8 | 1056.9 | 1063.4 | 1066.6 | 1074.7 | 1074.7 | 1079.5 | 1081.1 |
| 5°    | 898.8  | 925.0  | 935.1  | 977.5  | 1013.9 | 1039.1 | 1054.3 | 1072.5 | 1080.5 | 1091.6 | 1095.7 |
| 7.5°  | 800.6  | 808.1  | 815.6  | 845.9  | 907.9  | 985.0  | 1031.3 | 1062.4 | 1078.7 | 1093.3 | 1099.1 |
| 10°   | 787.7  | 784.7  | 781.6  | 795.8  | 839.2  | 926.0  | 1011.9 | 1054.3 | 1075.5 | 1091.6 | 1096.7 |
| 12.5° | 837.8  | 797.6  | 775.2  | 775.6  | 804.4  | 864.6  | 977.9  | 1043.0 | 1070.6 | 1086.0 | 1091.9 |
| 15°   | 906.8  | 887.7  | 805.9  | 759.4  | 768.5  | 806.9  | 912.9  | 1024.0 | 1058.3 | 1072.5 | 1081.6 |
| 17.5° | 910.1  | 901.4  | 876.6  | 775.6  | 744.7  | 769.9  | 849.3  | 996.7  | 1040.3 | 1057.1 | 1065.2 |
| 20°   | 906.8  | 895.7  | 880.6  | 816.0  | 734.2  | 751.3  | 817.0  | 976.5  | 1025.0 | 1044.2 | 1052.3 |
| 22.5° | 906.8  | 890.1  | 876.6  | 838.6  | 726.9  | 731.9  | 794.3  | 949.1  | 1008.8 | 1028.8 | 1036.9 |
| 25°   | 892.7  | 881.6  | 855.3  | 841.2  | 719.0  | 707.9  | 766.5  | 901.8  | 982.6  | 999.8  | 1011.9 |
| 27.5° | 868.9  | 863.2  | 834.9  | 824.8  | 724.3  | 679.8  | 742.0  | 849.9  | 946.4  | 970.9  | 984.0  |
| 30°   | 850.3  | 846.3  | 818.0  | 811.9  | 725.1  | 660.4  | 725.1  | 811.9  | 914.9  | 948.3  | 965.4  |
| 32.5° | 822.0  | 823.6  | 801.0  | 792.5  | 719.4  | 641.9  | 704.1  | 769.1  | 868.1  | 924.8  | 945.2  |
| 35°   | 782.6  | 783.6  | 770.5  | 759.4  | 700.8  | 607.9  | 668.5  | 685.7  | 810.9  | 891.7  | 908.9  |
| 37.5° | 750.5  | 746.3  | 726.7  | 727.5  | 672.0  | 574.4  | 626.5  | 591.8  | 759.2  | 856.8  | 869.3  |
| 40°   | 727.1  | 722.0  | 696.8  | 704.9  | 649.3  | 553.4  | 591.8  | 535.2  | 709.9  | 830.1  | 840.2  |
| 42.5° | 703.7  | 698.6  | 667.7  | 677.4  | 621.9  | 529.2  | 545.7  | 493.2  | 655.8  | 801.8  | 804.6  |
| 45°   | 668.5  | 663.5  | 630.1  | 631.2  | 577.6  | 491.8  | 451.4  | 442.3  | 624.1  | 756.4  | 756.4  |
| 47.5° | 629.3  | 624.9  | 589.1  | 585.3  | 526.3  | 451.0  | 364.0  | 429.0  | 579.7  | 707.5  | 707.1  |
| 50°   | 601.9  | 599.9  | 562.5  | 555.4  | 486.7  | 421.1  | 321.1  | 428.2  | 547.3  | 665.5  | 675.6  |
| 52.5° | 572.0  | 572.4  | 538.3  | 529.6  | 452.0  | 386.4  | 296.9  | 396.7  | 507.8  | 611.4  | 643.3  |
| 55°   | 532.2  | 531.2  | 500.9  | 489.8  | 400.9  | 326.2  | 267.6  | 360.5  | 446.4  | 536.2  | 589.8  |
| 57.5° | 489.4  | 487.0  | 458.5  | 449.8  | 356.7  | 270.4  | 234.5  | 348.6  | 351.0  | 467.6  | 535.8  |
| 60°   | 459.5  | 455.4  | 430.2  | 419.1  | 329.2  | 237.3  | 211.1  | 325.2  | 268.6  | 419.1  | 493.8  |
| 62.5° | 426.4  | 419.1  | 401.9  | 390.0  | 306.6  | 221.2  | 194.9  | 300.9  | 209.6  | 364.2  | 453.4  |
| 65°   | 374.7  | 369.6  | 358.5  | 345.4  | 270.6  | 195.9  | 173.7  | 250.4  | 163.6  | 249.4  | 393.8  |
| 67.5° | 318.3  | 315.3  | 308.8  | 294.1  | 235.1  | 176.1  | 154.1  | 181.0  | 124.4  | 158.3  | 337.1  |
| 70°   | 282.8  | 279.7  | 275.7  | 262.6  | 210.0  | 161.6  | 140.4  | 141.4  | 88.9   | 117.1  | 299.9  |
| 72.5° | 243.2  | 242.6  | 240.1  | 227.0  | 184.2  | 146.2  | 129.1  | 122.0  | 75.1   | 92.1   | 262.0  |
| 75°   | 188.8  | 187.8  | 186.8  | 177.7  | 145.4  | 121.2  | 110.1  | 94.9   | 75.7   | 65.6   | 205.0  |
| 77.5° | 135.5  | 134.9  | 135.1  | 129.5  | 107.7  | 93.7   | 83.8   | 66.2   | 67.7   | 49.9   | 153.5  |
| 80°   | 100.0  | 101.0  | 102.0  | 98.0   | 81.8   | 72.7   | 63.6   | 52.5   | 55.5   | 39.4   | 117.1  |
| 82.5° | 70.9   | 72.7   | 71.3   | 70.5   | 60.0   | 53.3   | 45.0   | 38.8   | 39.4   | 31.3   | 87.3   |
| 85°   | 36.4   | 33.3   | 35.3   | 34.3   | 30.3   | 27.3   | 21.2   | 16.2   | 20.2   | 18.2   | 43.4   |
| 87.5° | 9.7    | 11.3   | 11.3   | 12.1   | 11.3   | 9.7    | 6.5    | 4.0    | 7.3    | 8.9    | 17.8   |
| 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°    | 1067.4 | 1067.4 | 1067.4 | 1067.4 | 1067.4 | 1067.4 | 1067.4 | 1067.4 | 1067.4 | 1067.4 | 1067.4 |
| 2.5°  | 1078.7 | 1078.7 | 1086.0 | 1087.6 | 1089.2 | 1086.8 | 1089.2 | 1087.6 | 1086.0 | 1078.7 | 1078.7 |
| 5°    | 1094.7 | 1094.7 | 1104.8 | 1107.8 | 1107.8 | 1105.8 | 1107.8 | 1107.8 | 1104.8 | 1094.7 | 1094.7 |
| 7.5°  | 1096.1 | 1097.7 | 1107.8 | 1110.0 | 1111.8 | 1108.8 | 1111.8 | 1110.0 | 1107.8 | 1097.7 | 1096.1 |
| 10°   | 1093.7 | 1097.7 | 1107.8 | 1110.8 | 1111.8 | 1108.8 | 1111.8 | 1110.8 | 1107.8 | 1097.7 | 1093.7 |
| 12.5° | 1090.4 | 1093.7 | 1103.8 | 1106.0 | 1107.8 | 1105.6 | 1107.8 | 1106.0 | 1103.8 | 1093.7 | 1090.4 |
| 15°   | 1079.5 | 1083.6 | 1094.7 | 1096.7 | 1098.7 | 1095.7 | 1098.7 | 1096.7 | 1094.7 | 1083.6 | 1079.5 |
| 17.5° | 1064.4 | 1069.4 | 1079.5 | 1082.8 | 1083.8 | 1079.9 | 1083.8 | 1082.8 | 1079.5 | 1069.4 | 1064.4 |
| 20°   | 1052.3 | 1057.3 | 1067.4 | 1071.5 | 1072.5 | 1069.4 | 1072.5 | 1071.5 | 1067.4 | 1057.3 | 1052.3 |
| 22.5° | 1036.9 | 1045.2 | 1054.5 | 1056.1 | 1054.7 | 1051.7 | 1054.7 | 1056.1 | 1054.5 | 1045.2 | 1036.9 |
| 25°   | 1014.9 | 1022.0 | 1025.0 | 1025.0 | 1025.0 | 1022.0 | 1025.0 | 1025.0 | 1025.0 | 1022.0 | 1014.9 |
| 27.5° | 986.8  | 990.5  | 992.3  | 993.9  | 995.9  | 993.9  | 995.9  | 993.9  | 992.3  | 990.5  | 986.8  |
| 30°   | 967.4  | 965.4  | 970.5  | 974.5  | 976.5  | 974.5  | 976.5  | 974.5  | 970.5  | 965.4  | 967.4  |
| 32.5° | 940.8  | 942.0  | 949.5  | 951.9  | 952.3  | 950.3  | 952.3  | 951.9  | 949.5  | 942.0  | 940.8  |
| 35°   | 901.8  | 906.8  | 911.9  | 913.9  | 914.9  | 911.9  | 914.9  | 913.9  | 911.9  | 906.8  | 901.8  |
| 37.5° | 860.6  | 869.5  | 873.1  | 870.9  | 871.1  | 867.9  | 871.1  | 870.9  | 873.1  | 869.5  | 860.6  |
| 40°   | 833.1  | 841.2  | 843.2  | 840.2  | 841.2  | 837.2  | 841.2  | 840.2  | 843.2  | 841.2  | 833.1  |
| 42.5° | 807.3  | 813.7  | 811.7  | 807.9  | 807.3  | 805.7  | 807.3  | 807.9  | 811.7  | 813.7  | 807.3  |
| 45°   | 764.5  | 767.5  | 758.4  | 755.4  | 753.3  | 751.3  | 753.3  | 755.4  | 758.4  | 767.5  | 764.5  |
| 47.5° | 717.6  | 713.6  | 704.9  | 700.2  | 694.6  | 690.7  | 694.6  | 700.2  | 704.9  | 713.6  | 717.6  |
| 50°   | 687.7  | 675.6  | 668.5  | 657.4  | 653.4  | 654.4  | 653.4  | 657.4  | 668.5  | 675.6  | 687.7  |
| 52.5° | 651.4  | 636.8  | 625.7  | 616.2  | 613.0  | 612.4  | 613.0  | 616.2  | 625.7  | 636.8  | 651.4  |
| 55°   | 598.8  | 576.6  | 558.4  | 553.4  | 552.4  | 554.4  | 552.4  | 553.4  | 558.4  | 576.6  | 598.8  |
| 57.5° | 534.4  | 512.6  | 497.7  | 493.6  | 490.2  | 487.0  | 490.2  | 493.6  | 497.7  | 512.6  | 534.4  |
| 60°   | 490.8  | 470.6  | 456.5  | 452.4  | 443.3  | 439.3  | 443.3  | 452.4  | 456.5  | 470.6  | 490.8  |
| 62.5° | 452.0  | 427.8  | 416.9  | 408.8  | 402.1  | 395.7  | 402.1  | 408.8  | 416.9  | 427.8  | 452.0  |
| 65°   | 395.9  | 367.6  | 356.5  | 349.4  | 337.3  | 334.3  | 337.3  | 349.4  | 356.5  | 367.6  | 395.9  |
| 67.5° | 334.5  | 309.8  | 295.9  | 286.4  | 278.7  | 278.5  | 278.7  | 286.4  | 295.9  | 309.8  | 334.5  |
| 70°   | 294.9  | 272.7  | 259.5  | 248.4  | 242.4  | 241.4  | 242.4  | 248.4  | 259.5  | 272.7  | 294.9  |
| 72.5° | 256.1  | 234.7  | 223.2  | 212.9  | 207.6  | 206.6  | 207.6  | 212.9  | 223.2  | 234.7  | 256.1  |
| 75°   | 201.0  | 180.8  | 171.7  | 164.6  | 160.6  | 158.5  | 160.6  | 164.6  | 171.7  | 180.8  | 201.0  |
| 77.5° | 148.7  | 132.3  | 127.6  | 120.4  | 116.9  | 116.7  | 116.9  | 120.4  | 127.6  | 132.3  | 148.7  |
| 80°   | 117.1  | 104.0  | 96.9   | 92.9   | 91.9   | 90.9   | 91.9   | 92.9   | 96.9   | 104.0  | 117.1  |
| 82.5° | 84.8   | 77.4   | 72.7   | 70.3   | 70.1   | 68.3   | 70.1   | 70.3   | 72.7   | 77.4   | 84.8   |
| 85°   | 45.4   | 43.4   | 42.4   | 41.4   | 40.4   | 40.4   | 40.4   | 41.4   | 42.4   | 43.4   | 45.4   |
| 87.5° | 18.6   | 19.4   | 19.4   | 20.2   | 21.0   | 20.2   | 21.0   | 20.2   | 19.4   | 19.4   | 18.6   |
| 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-075D-840-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

|       | 330°   | 340°   | 350°   | 360°   |
|-------|--------|--------|--------|--------|
| 0°    | 1067.4 | 1067.4 | 1067.4 | 1067.4 |
| 2.5°  | 1081.1 | 1079.5 | 1074.7 | 1074.7 |
| 5°    | 1095.7 | 1091.6 | 1080.5 | 1072.5 |
| 7.5°  | 1099.1 | 1093.3 | 1078.7 | 1062.4 |
| 10°   | 1096.7 | 1091.6 | 1075.5 | 1054.3 |
| 12.5° | 1091.9 | 1086.0 | 1070.6 | 1043.0 |
| 15°   | 1081.6 | 1072.5 | 1058.3 | 1024.0 |
| 17.5° | 1065.2 | 1057.1 | 1040.3 | 996.7  |
| 20°   | 1052.3 | 1044.2 | 1025.0 | 976.5  |
| 22.5° | 1036.9 | 1028.8 | 1008.8 | 949.1  |
| 25°   | 1011.9 | 999.8  | 982.6  | 901.8  |
| 27.5° | 984.0  | 970.9  | 946.4  | 849.9  |
| 30°   | 965.4  | 948.3  | 914.9  | 811.9  |
| 32.5° | 945.2  | 924.8  | 868.1  | 769.1  |
| 35°   | 908.9  | 891.7  | 810.9  | 685.7  |
| 37.5° | 869.3  | 856.8  | 759.2  | 591.8  |
| 40°   | 840.2  | 830.1  | 709.9  | 535.2  |
| 42.5° | 804.6  | 801.8  | 655.8  | 493.2  |
| 45°   | 756.4  | 756.4  | 624.1  | 442.3  |
| 47.5° | 707.1  | 707.5  | 579.7  | 429.0  |
| 50°   | 675.6  | 665.5  | 547.3  | 428.2  |
| 52.5° | 643.3  | 611.4  | 507.8  | 396.7  |
| 55°   | 589.8  | 536.2  | 446.4  | 360.5  |
| 57.5° | 535.8  | 467.6  | 351.0  | 348.6  |
| 60°   | 493.8  | 419.1  | 268.6  | 325.2  |
| 62.5° | 453.4  | 364.2  | 209.6  | 300.9  |
| 65°   | 393.8  | 249.4  | 163.6  | 250.4  |
| 67.5° | 337.1  | 158.3  | 124.4  | 181.0  |
| 70°   | 299.9  | 117.1  | 88.9   | 141.4  |
| 72.5° | 262.0  | 92.1   | 75.1   | 122.0  |
| 75°   | 205.0  | 65.6   | 75.7   | 94.9   |
| 77.5° | 153.5  | 49.9   | 67.7   | 66.2   |
| 80°   | 117.1  | 39.4   | 55.5   | 52.5   |
| 82.5° | 87.3   | 31.3   | 39.4   | 38.8   |
| 85°   | 43.4   | 18.2   | 20.2   | 16.2   |
| 87.5° | 17.8   | 8.9    | 7.3    | 4.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)