

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-100D-830-1D-UNV-STD-W-12

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-100D-830-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE  
DOWNLIGHT 1000 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

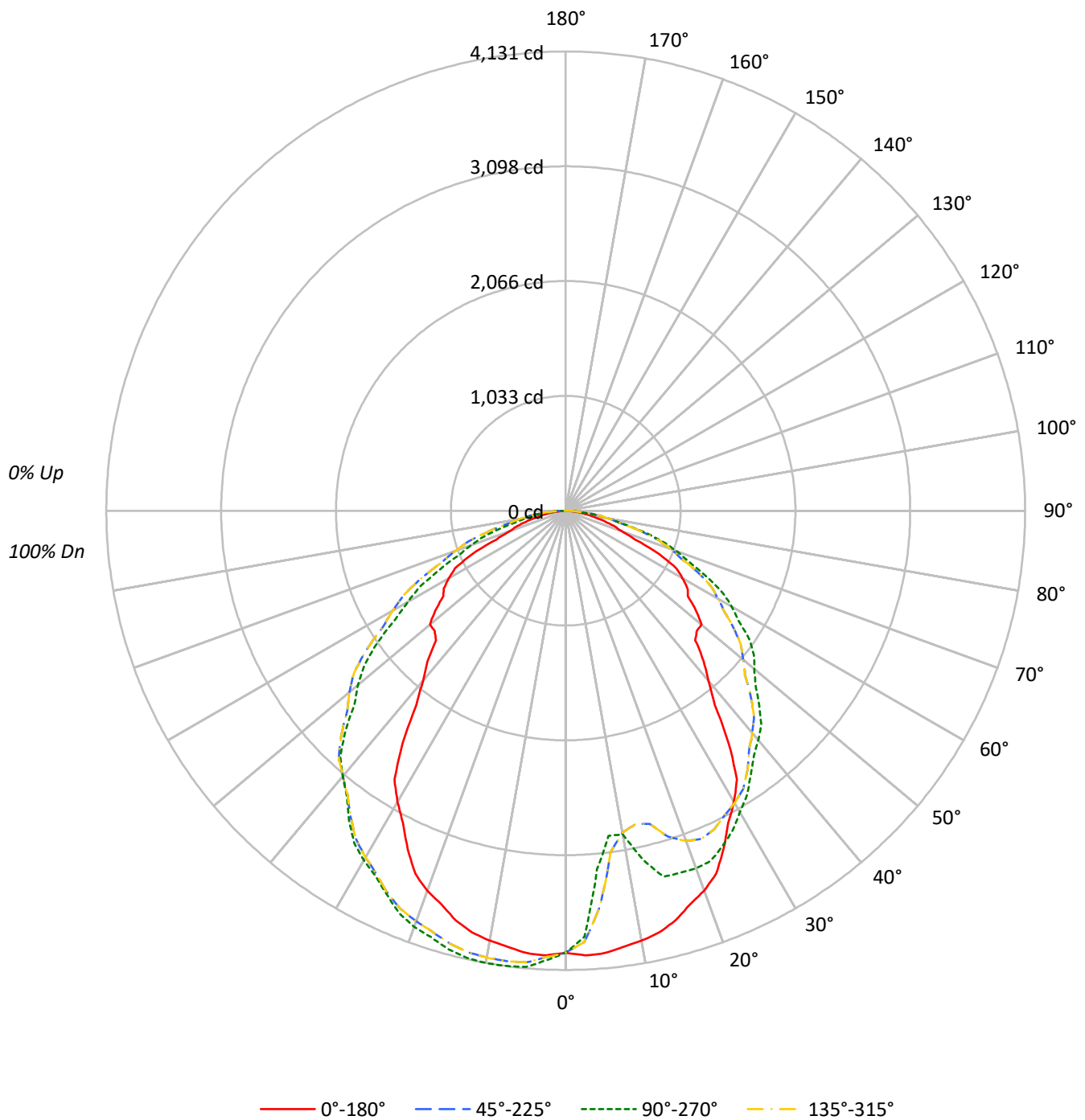
Lumens per Lamp: N/A  
Luminaire Lumens: 10304.5 lumens  
Efficiency: N/A  
Efficacy: 95.2 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 0.29' x L: 12' x H: 0')  
CIE Type: Direct

Input Watts (W): 108.2  
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-100D-830-1D-UNV-STD-W-12

### Luminous Intensity Polar Plot



TEST NUMBER:

CATALOG NUMBER: SQ4-FA-0U-100D-830-1D-UNV-STD-W-12

**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°  | 12229 | 12229 | 12229 | 12229 |
| 5°  | 12334 | 10000 | 12334 | 12717 |
| 10° | 12265 | 9222  | 12265 | 12900 |
| 15° | 12146 | 10852 | 12146 | 12996 |
| 20° | 11906 | 11204 | 11906 | 13039 |
| 25° | 11400 | 11310 | 11400 | 12919 |
| 30° | 10741 | 11128 | 10741 | 12892 |
| 35° | 9590  | 10890 | 9590  | 12754 |
| 40° | 8005  | 10814 | 8005  | 12520 |
| 45° | 7167  | 10684 | 7167  | 12173 |
| 50° | 7632  | 10584 | 7632  | 11664 |
| 55° | 7201  | 10812 | 7201  | 11074 |
| 60° | 7451  | 10598 | 7451  | 10066 |
| 65° | 6789  | 10129 | 6789  | 9061  |
| 70° | 4736  | 9505  | 4736  | 8085  |
| 75° | 4202  | 8404  | 4202  | 7018  |
| 80° | 3464  | 6530  | 3464  | 5997  |
| 85° | 2124  | 4513  | 2124  | 5311  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 230°

Vertical Angle: 45°

Luminance: 12435 cd/sqm

TEST NUMBER:

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 358.5   | 3.5       |
| 10°-20°   | 1018.7  | 9.9       |
| 20°-30°   | 1574.3  | 15.3      |
| 30°-40°   | 1880.9  | 18.3      |
| 40°-50°   | 1893.1  | 18.4      |
| 50°-60°   | 1643.6  | 16.0      |
| 60°-70°   | 1163.5  | 11.3      |
| 70°-80°   | 615.4   | 6.0       |
| 80°-90°   | 156.6   | 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°    | 2951.5  | 28.6      |
| 0°-40°    | 4832.4  | 46.9      |
| 0°-60°    | 8369.1  | 81.2      |
| 0°-90°    | 10304.5 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 10304.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 3976 | 3976 | 3976 | 3976 | 3976 |      |
| 5°  | 3995 | 3239 | 3995 | 4119 | 3995 | 379  |
| 15° | 3815 | 3408 | 3815 | 4082 | 3815 | 1072 |
| 25° | 3360 | 3333 | 3360 | 3807 | 3360 | 1541 |
| 35° | 2554 | 2900 | 2554 | 3397 | 2554 | 1577 |
| 45° | 1648 | 2457 | 1648 | 2799 | 1648 | 1327 |
| 55° | 1343 | 2016 | 1343 | 2065 | 1343 | 1235 |
| 65° | 933  | 1392 | 933  | 1245 | 933  | 888  |
| 75° | 354  | 707  | 354  | 591  | 354  | 373  |
| 85° | 60   | 128  | 60   | 150  | 60   | 86   |
| 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°    | 3976.4 | 3976.4 | 3976.4 | 3976.4 | 3976.4 | 3976.4 | 3976.4 | 3976.4 | 3976.4 | 3976.4 | 3976.4 |
| 2.5°  | 4003.5 | 3973.4 | 3961.4 | 3937.3 | 3892.2 | 3868.1 | 3886.1 | 3856.1 | 3868.1 | 3835.0 | 3868.1 |
| 5°    | 3995.2 | 3927.5 | 3871.1 | 3777.0 | 3641.6 | 3483.6 | 3446.0 | 3348.2 | 3288.0 | 3239.1 | 3288.0 |
| 7.5°  | 3957.6 | 3841.8 | 3669.5 | 3382.0 | 3151.1 | 3038.2 | 3010.4 | 2982.5 | 2975.0 | 2950.2 | 2975.0 |
| 10°   | 3927.5 | 3769.5 | 3449.8 | 3126.2 | 2964.5 | 2911.8 | 2923.1 | 2934.4 | 2956.9 | 2953.2 | 2956.9 |
| 12.5° | 3885.4 | 3643.1 | 3221.0 | 2996.8 | 2889.2 | 2887.7 | 2971.2 | 3121.0 | 3224.8 | 3218.0 | 3224.8 |
| 15°   | 3814.7 | 3400.8 | 3005.8 | 2862.9 | 2829.0 | 3002.1 | 3306.8 | 3378.3 | 3404.6 | 3408.4 | 3404.6 |
| 17.5° | 3713.1 | 3163.8 | 2868.1 | 2774.1 | 2889.2 | 3265.4 | 3358.0 | 3390.3 | 3412.9 | 3414.4 | 3412.9 |
| 20°   | 3637.9 | 3043.5 | 2798.9 | 2735.0 | 3039.7 | 3280.5 | 3336.9 | 3378.3 | 3415.9 | 3423.4 | 3415.9 |
| 22.5° | 3535.5 | 2959.2 | 2726.7 | 2707.9 | 3124.0 | 3265.4 | 3315.8 | 3378.3 | 3409.9 | 3408.4 | 3409.9 |
| 25°   | 3359.5 | 2855.4 | 2637.2 | 2678.5 | 3133.7 | 3186.4 | 3284.2 | 3325.6 | 3329.4 | 3333.1 | 3329.4 |
| 27.5° | 3166.1 | 2764.3 | 2532.6 | 2698.1 | 3072.8 | 3110.4 | 3215.8 | 3236.8 | 3251.1 | 3245.1 | 3251.1 |
| 30°   | 3024.6 | 2701.1 | 2460.3 | 2701.1 | 3024.6 | 3047.2 | 3152.6 | 3167.6 | 3148.8 | 3133.7 | 3148.8 |
| 32.5° | 2865.1 | 2622.9 | 2391.1 | 2680.0 | 2952.4 | 2984.0 | 3068.3 | 3062.3 | 3043.5 | 3031.4 | 3043.5 |
| 35°   | 2554.4 | 2490.4 | 2264.7 | 2610.8 | 2829.0 | 2870.4 | 2919.3 | 2915.6 | 2911.8 | 2900.5 | 2911.8 |
| 37.5° | 2204.5 | 2333.9 | 2139.8 | 2503.2 | 2710.1 | 2707.1 | 2780.1 | 2795.9 | 2792.2 | 2777.9 | 2792.2 |
| 40°   | 1993.9 | 2204.5 | 2061.6 | 2419.0 | 2625.9 | 2595.8 | 2689.8 | 2708.6 | 2704.9 | 2693.6 | 2704.9 |
| 42.5° | 1837.4 | 2033.0 | 1971.3 | 2316.6 | 2523.5 | 2487.4 | 2602.6 | 2621.4 | 2611.6 | 2603.3 | 2611.6 |
| 45°   | 1647.8 | 1681.6 | 1832.1 | 2151.9 | 2351.3 | 2347.5 | 2471.6 | 2490.4 | 2467.9 | 2456.6 | 2467.9 |
| 47.5° | 1598.1 | 1355.8 | 1680.1 | 1960.8 | 2180.5 | 2194.8 | 2327.9 | 2344.5 | 2324.2 | 2314.4 | 2324.2 |
| 50°   | 1595.1 | 1196.3 | 1568.8 | 1813.3 | 2069.1 | 2095.4 | 2234.6 | 2242.2 | 2215.8 | 2212.1 | 2215.8 |
| 52.5° | 1477.7 | 1106.0 | 1439.3 | 1683.9 | 1972.8 | 2005.1 | 2132.3 | 2130.8 | 2128.5 | 2133.8 | 2128.5 |
| 55°   | 1343.0 | 996.9  | 1215.1 | 1493.5 | 1824.6 | 1866.0 | 1978.8 | 1982.6 | 2008.9 | 2016.4 | 2008.9 |
| 57.5° | 1298.6 | 873.5  | 1007.5 | 1328.7 | 1675.6 | 1707.9 | 1814.0 | 1823.1 | 1841.1 | 1840.4 | 1841.1 |
| 60°   | 1211.4 | 786.3  | 884.1  | 1226.4 | 1561.2 | 1602.6 | 1696.7 | 1711.7 | 1726.8 | 1723.0 | 1726.8 |
| 62.5° | 1121.1 | 726.1  | 823.9  | 1142.1 | 1452.9 | 1497.3 | 1561.2 | 1588.3 | 1594.3 | 1587.6 | 1594.3 |
| 65°   | 933.0  | 647.1  | 729.8  | 1008.2 | 1286.6 | 1335.5 | 1376.9 | 1395.7 | 1399.5 | 1391.9 | 1399.5 |
| 67.5° | 674.2  | 574.1  | 656.1  | 875.8  | 1095.5 | 1150.4 | 1174.5 | 1185.8 | 1182.0 | 1195.6 | 1182.0 |
| 70°   | 526.7  | 522.9  | 601.9  | 782.5  | 978.1  | 1027.0 | 1042.1 | 1053.4 | 1049.6 | 1057.1 | 1049.6 |
| 72.5° | 454.4  | 480.8  | 544.7  | 686.2  | 845.7  | 894.6  | 903.6  | 905.9  | 917.2  | 909.7  | 917.2  |
| 75°   | 353.6  | 410.1  | 451.4  | 541.7  | 662.1  | 696.0  | 699.7  | 703.5  | 696.0  | 707.3  | 696.0  |
| 77.5° | 246.8  | 312.2  | 349.1  | 401.0  | 482.3  | 503.4  | 502.6  | 504.9  | 498.8  | 498.1  | 498.8  |
| 80°   | 195.6  | 237.0  | 270.9  | 304.7  | 364.9  | 380.0  | 376.2  | 372.4  | 372.4  | 368.7  | 372.4  |
| 82.5° | 144.5  | 167.8  | 198.6  | 223.5  | 262.6  | 265.6  | 270.9  | 264.1  | 264.1  | 269.4  | 264.1  |
| 85°   | 60.2   | 79.0   | 101.6  | 112.9  | 127.9  | 131.7  | 124.1  | 135.4  | 127.9  | 127.9  | 127.9  |
| 87.5° | 15.0   | 24.1   | 36.1   | 42.1   | 45.1   | 42.1   | 42.1   | 36.1   | 36.1   | 36.1   | 36.1   |
| 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°    | 3976.4 | 3976.4 | 3976.4 | 3976.4 | 3976.4 | 3976.4 | 3976.4 | 3976.4 | 3976.4 | 3976.4 | 3976.4 |
| 2.5°  | 3856.1 | 3886.1 | 3868.1 | 3892.2 | 3937.3 | 3961.4 | 3973.4 | 4003.5 | 4003.5 | 4021.6 | 4027.6 |
| 5°    | 3348.2 | 3446.0 | 3483.6 | 3641.6 | 3777.0 | 3871.1 | 3927.5 | 3995.2 | 4025.3 | 4066.7 | 4081.8 |
| 7.5°  | 2982.5 | 3010.4 | 3038.2 | 3151.1 | 3382.0 | 3669.5 | 3841.8 | 3957.6 | 4018.6 | 4072.7 | 4094.6 |
| 10°   | 2934.4 | 2923.1 | 2911.8 | 2964.5 | 3126.2 | 3449.8 | 3769.5 | 3927.5 | 4006.5 | 4066.7 | 4085.5 |
| 12.5° | 3121.0 | 2971.2 | 2887.7 | 2889.2 | 2996.8 | 3221.0 | 3643.1 | 3885.4 | 3988.5 | 4045.7 | 4067.5 |
| 15°   | 3378.3 | 3306.8 | 3002.1 | 2829.0 | 2862.9 | 3005.8 | 3400.8 | 3814.7 | 3942.6 | 3995.2 | 4029.1 |
| 17.5° | 3390.3 | 3358.0 | 3265.4 | 2889.2 | 2774.1 | 2868.1 | 3163.8 | 3713.1 | 3875.6 | 3938.1 | 3968.2 |
| 20°   | 3378.3 | 3336.9 | 3280.5 | 3039.7 | 2735.0 | 2798.9 | 3043.5 | 3637.9 | 3818.4 | 3889.9 | 3920.0 |
| 22.5° | 3378.3 | 3315.8 | 3265.4 | 3124.0 | 2707.9 | 2726.7 | 2959.2 | 3535.5 | 3758.2 | 3832.7 | 3862.8 |
| 25°   | 3325.6 | 3284.2 | 3186.4 | 3133.7 | 2678.5 | 2637.2 | 2855.4 | 3359.5 | 3660.4 | 3724.4 | 3769.5 |
| 27.5° | 3236.8 | 3215.8 | 3110.4 | 3072.8 | 2698.1 | 2532.6 | 2764.3 | 3166.1 | 3525.7 | 3616.8 | 3665.7 |
| 30°   | 3167.6 | 3152.6 | 3047.2 | 3024.6 | 2701.1 | 2460.3 | 2701.1 | 3024.6 | 3408.4 | 3532.5 | 3596.5 |
| 32.5° | 3062.3 | 3068.3 | 2984.0 | 2952.4 | 2680.0 | 2391.1 | 2622.9 | 2865.1 | 3233.8 | 3445.2 | 3521.2 |
| 35°   | 2915.6 | 2919.3 | 2870.4 | 2829.0 | 2610.8 | 2264.7 | 2490.4 | 2554.4 | 3020.9 | 3321.8 | 3385.8 |
| 37.5° | 2795.9 | 2780.1 | 2707.1 | 2710.1 | 2503.2 | 2139.8 | 2333.9 | 2204.5 | 2828.3 | 3191.7 | 3238.3 |
| 40°   | 2708.6 | 2689.8 | 2595.8 | 2625.9 | 2419.0 | 2061.6 | 2204.5 | 1993.9 | 2644.7 | 3092.4 | 3130.0 |
| 42.5° | 2621.4 | 2602.6 | 2487.4 | 2523.5 | 2316.6 | 1971.3 | 2033.0 | 1837.4 | 2443.0 | 2987.0 | 2997.6 |
| 45°   | 2490.4 | 2471.6 | 2347.5 | 2351.3 | 2151.9 | 1832.1 | 1681.6 | 1647.8 | 2324.9 | 2817.7 | 2817.7 |
| 47.5° | 2344.5 | 2327.9 | 2194.8 | 2180.5 | 1960.8 | 1680.1 | 1355.8 | 1598.1 | 2159.4 | 2635.7 | 2634.2 |
| 50°   | 2242.2 | 2234.6 | 2095.4 | 2069.1 | 1813.3 | 1568.8 | 1196.3 | 1595.1 | 2039.0 | 2479.2 | 2516.8 |
| 52.5° | 2130.8 | 2132.3 | 2005.1 | 1972.8 | 1683.9 | 1439.3 | 1106.0 | 1477.7 | 1891.5 | 2277.5 | 2396.4 |
| 55°   | 1982.6 | 1978.8 | 1866.0 | 1824.6 | 1493.5 | 1215.1 | 996.9  | 1343.0 | 1662.8 | 1997.6 | 2197.0 |
| 57.5° | 1823.1 | 1814.0 | 1707.9 | 1675.6 | 1328.7 | 1007.5 | 873.5  | 1298.6 | 1307.7 | 1741.8 | 1996.1 |
| 60°   | 1711.7 | 1696.7 | 1602.6 | 1561.2 | 1226.4 | 884.1  | 786.3  | 1211.4 | 1000.7 | 1561.2 | 1839.6 |
| 62.5° | 1588.3 | 1561.2 | 1497.3 | 1452.9 | 1142.1 | 823.9  | 726.1  | 1121.1 | 781.0  | 1356.6 | 1689.1 |
| 65°   | 1395.7 | 1376.9 | 1335.5 | 1286.6 | 1008.2 | 729.8  | 647.1  | 933.0  | 609.4  | 929.2  | 1467.2 |
| 67.5° | 1185.8 | 1174.5 | 1150.4 | 1095.5 | 875.8  | 656.1  | 574.1  | 674.2  | 463.5  | 589.9  | 1255.8 |
| 70°   | 1053.4 | 1042.1 | 1027.0 | 978.1  | 782.5  | 601.9  | 522.9  | 526.7  | 331.1  | 436.4  | 1117.3 |
| 72.5° | 905.9  | 903.6  | 894.6  | 845.7  | 686.2  | 544.7  | 480.8  | 454.4  | 279.9  | 343.1  | 975.9  |
| 75°   | 703.5  | 699.7  | 696.0  | 662.1  | 541.7  | 451.4  | 410.1  | 353.6  | 282.2  | 244.5  | 763.7  |
| 77.5° | 504.9  | 502.6  | 503.4  | 482.3  | 401.0  | 349.1  | 312.2  | 246.8  | 252.1  | 185.8  | 571.8  |
| 80°   | 372.4  | 376.2  | 380.0  | 364.9  | 304.7  | 270.9  | 237.0  | 195.6  | 206.9  | 146.7  | 436.4  |
| 82.5° | 264.1  | 270.9  | 265.6  | 262.6  | 223.5  | 198.6  | 167.8  | 144.5  | 146.7  | 116.6  | 325.0  |
| 85°   | 135.4  | 124.1  | 131.7  | 127.9  | 112.9  | 101.6  | 79.0   | 60.2   | 75.2   | 67.7   | 161.8  |
| 87.5° | 36.1   | 42.1   | 42.1   | 45.1   | 42.1   | 36.1   | 24.1   | 15.0   | 27.1   | 33.1   | 66.2   |
| 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°    | 3976.4 | 3976.4 | 3976.4 | 3976.4 | 3976.4 | 3976.4 | 3976.4 | 3976.4 | 3976.4 | 3976.4 | 3976.4 |
| 2.5°  | 4018.6 | 4018.6 | 4045.7 | 4051.7 | 4057.7 | 4048.7 | 4057.7 | 4051.7 | 4045.7 | 4018.6 | 4018.6 |
| 5°    | 4078.0 | 4078.0 | 4115.6 | 4126.9 | 4126.9 | 4119.4 | 4126.9 | 4126.9 | 4115.6 | 4078.0 | 4078.0 |
| 7.5°  | 4083.3 | 4089.3 | 4126.9 | 4135.2 | 4142.0 | 4130.7 | 4142.0 | 4135.2 | 4126.9 | 4089.3 | 4083.3 |
| 10°   | 4074.2 | 4089.3 | 4126.9 | 4138.2 | 4142.0 | 4130.7 | 4142.0 | 4138.2 | 4126.9 | 4089.3 | 4074.2 |
| 12.5° | 4062.2 | 4074.2 | 4111.9 | 4120.1 | 4126.9 | 4118.6 | 4126.9 | 4120.1 | 4111.9 | 4074.2 | 4062.2 |
| 15°   | 4021.6 | 4036.6 | 4078.0 | 4085.5 | 4093.1 | 4081.8 | 4093.1 | 4085.5 | 4078.0 | 4036.6 | 4021.6 |
| 17.5° | 3965.1 | 3984.0 | 4021.6 | 4033.6 | 4037.4 | 4023.1 | 4037.4 | 4033.6 | 4021.6 | 3984.0 | 3965.1 |
| 20°   | 3920.0 | 3938.8 | 3976.4 | 3991.5 | 3995.2 | 3984.0 | 3995.2 | 3991.5 | 3976.4 | 3938.8 | 3920.0 |
| 22.5° | 3862.8 | 3893.7 | 3928.3 | 3934.3 | 3929.0 | 3917.7 | 3929.0 | 3934.3 | 3928.3 | 3893.7 | 3862.8 |
| 25°   | 3780.8 | 3807.1 | 3818.4 | 3818.4 | 3818.4 | 3807.1 | 3818.4 | 3818.4 | 3818.4 | 3807.1 | 3780.8 |
| 27.5° | 3676.2 | 3689.8 | 3696.5 | 3702.6 | 3710.1 | 3702.6 | 3710.1 | 3702.6 | 3696.5 | 3689.8 | 3676.2 |
| 30°   | 3604.0 | 3596.5 | 3615.3 | 3630.3 | 3637.9 | 3630.3 | 3637.9 | 3630.3 | 3615.3 | 3596.5 | 3604.0 |
| 32.5° | 3504.7 | 3509.2 | 3537.0 | 3546.1 | 3547.6 | 3540.0 | 3547.6 | 3546.1 | 3537.0 | 3509.2 | 3504.7 |
| 35°   | 3359.5 | 3378.3 | 3397.1 | 3404.6 | 3408.4 | 3397.1 | 3408.4 | 3404.6 | 3397.1 | 3378.3 | 3359.5 |
| 37.5° | 3206.0 | 3239.1 | 3252.6 | 3244.3 | 3245.1 | 3233.1 | 3245.1 | 3244.3 | 3252.6 | 3239.1 | 3206.0 |
| 40°   | 3103.7 | 3133.7 | 3141.3 | 3130.0 | 3133.7 | 3118.7 | 3133.7 | 3130.0 | 3141.3 | 3133.7 | 3103.7 |
| 42.5° | 3007.3 | 3031.4 | 3023.9 | 3009.6 | 3007.3 | 3001.3 | 3007.3 | 3009.6 | 3023.9 | 3031.4 | 3007.3 |
| 45°   | 2847.8 | 2859.1 | 2825.3 | 2814.0 | 2806.5 | 2798.9 | 2806.5 | 2814.0 | 2825.3 | 2859.1 | 2847.8 |
| 47.5° | 2673.3 | 2658.2 | 2625.9 | 2608.6 | 2587.5 | 2573.2 | 2587.5 | 2608.6 | 2625.9 | 2658.2 | 2673.3 |
| 50°   | 2561.9 | 2516.8 | 2490.4 | 2449.1 | 2434.0 | 2437.8 | 2434.0 | 2449.1 | 2490.4 | 2516.8 | 2561.9 |
| 52.5° | 2426.5 | 2372.3 | 2330.9 | 2295.6 | 2283.5 | 2281.3 | 2283.5 | 2295.6 | 2330.9 | 2372.3 | 2426.5 |
| 55°   | 2230.9 | 2148.1 | 2080.4 | 2061.6 | 2057.8 | 2065.3 | 2057.8 | 2061.6 | 2080.4 | 2148.1 | 2230.9 |
| 57.5° | 1990.9 | 1909.6 | 1853.9 | 1838.9 | 1826.1 | 1814.0 | 1826.1 | 1838.9 | 1853.9 | 1909.6 | 1990.9 |
| 60°   | 1828.3 | 1753.1 | 1700.4 | 1685.4 | 1651.5 | 1636.5 | 1651.5 | 1685.4 | 1700.4 | 1753.1 | 1828.3 |
| 62.5° | 1683.9 | 1593.6 | 1553.0 | 1522.9 | 1498.0 | 1474.0 | 1498.0 | 1522.9 | 1553.0 | 1593.6 | 1683.9 |
| 65°   | 1474.7 | 1369.4 | 1328.0 | 1301.7 | 1256.5 | 1245.2 | 1256.5 | 1301.7 | 1328.0 | 1369.4 | 1474.7 |
| 67.5° | 1246.0 | 1154.2 | 1102.3 | 1066.9 | 1038.3 | 1037.6 | 1038.3 | 1066.9 | 1102.3 | 1154.2 | 1246.0 |
| 70°   | 1098.5 | 1015.7 | 966.8  | 925.5  | 902.9  | 899.1  | 902.9  | 925.5  | 966.8  | 1015.7 | 1098.5 |
| 72.5° | 954.0  | 874.3  | 831.4  | 793.0  | 773.5  | 769.7  | 773.5  | 793.0  | 831.4  | 874.3  | 954.0  |
| 75°   | 748.6  | 673.4  | 639.5  | 613.2  | 598.2  | 590.6  | 598.2  | 613.2  | 639.5  | 673.4  | 748.6  |
| 77.5° | 553.8  | 492.8  | 475.5  | 448.4  | 435.6  | 434.9  | 435.6  | 448.4  | 475.5  | 492.8  | 553.8  |
| 80°   | 436.4  | 387.5  | 361.2  | 346.1  | 342.3  | 338.6  | 342.3  | 346.1  | 361.2  | 387.5  | 436.4  |
| 82.5° | 316.0  | 288.2  | 270.9  | 261.8  | 261.1  | 254.3  | 261.1  | 261.8  | 270.9  | 288.2  | 316.0  |
| 85°   | 169.3  | 161.8  | 158.0  | 154.2  | 150.5  | 150.5  | 150.5  | 154.2  | 158.0  | 161.8  | 169.3  |
| 87.5° | 69.2   | 72.2   | 72.2   | 75.2   | 78.2   | 75.2   | 78.2   | 75.2   | 72.2   | 72.2   | 69.2   |
| 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-100D-830-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

|       | 330°   | 340°   | 350°   | 360°   |
|-------|--------|--------|--------|--------|
| 0°    | 3976.4 | 3976.4 | 3976.4 | 3976.4 |
| 2.5°  | 4027.6 | 4021.6 | 4003.5 | 4003.5 |
| 5°    | 4081.8 | 4066.7 | 4025.3 | 3995.2 |
| 7.5°  | 4094.6 | 4072.7 | 4018.6 | 3957.6 |
| 10°   | 4085.5 | 4066.7 | 4006.5 | 3927.5 |
| 12.5° | 4067.5 | 4045.7 | 3988.5 | 3885.4 |
| 15°   | 4029.1 | 3995.2 | 3942.6 | 3814.7 |
| 17.5° | 3968.2 | 3938.1 | 3875.6 | 3713.1 |
| 20°   | 3920.0 | 3889.9 | 3818.4 | 3637.9 |
| 22.5° | 3862.8 | 3832.7 | 3758.2 | 3535.5 |
| 25°   | 3769.5 | 3724.4 | 3660.4 | 3359.5 |
| 27.5° | 3665.7 | 3616.8 | 3525.7 | 3166.1 |
| 30°   | 3596.5 | 3532.5 | 3408.4 | 3024.6 |
| 32.5° | 3521.2 | 3445.2 | 3233.8 | 2865.1 |
| 35°   | 3385.8 | 3321.8 | 3020.9 | 2554.4 |
| 37.5° | 3238.3 | 3191.7 | 2828.3 | 2204.5 |
| 40°   | 3130.0 | 3092.4 | 2644.7 | 1993.9 |
| 42.5° | 2997.6 | 2987.0 | 2443.0 | 1837.4 |
| 45°   | 2817.7 | 2817.7 | 2324.9 | 1647.8 |
| 47.5° | 2634.2 | 2635.7 | 2159.4 | 1598.1 |
| 50°   | 2516.8 | 2479.2 | 2039.0 | 1595.1 |
| 52.5° | 2396.4 | 2277.5 | 1891.5 | 1477.7 |
| 55°   | 2197.0 | 1997.6 | 1662.8 | 1343.0 |
| 57.5° | 1996.1 | 1741.8 | 1307.7 | 1298.6 |
| 60°   | 1839.6 | 1561.2 | 1000.7 | 1211.4 |
| 62.5° | 1689.1 | 1356.6 | 781.0  | 1121.1 |
| 65°   | 1467.2 | 929.2  | 609.4  | 933.0  |
| 67.5° | 1255.8 | 589.9  | 463.5  | 674.2  |
| 70°   | 1117.3 | 436.4  | 331.1  | 526.7  |
| 72.5° | 975.9  | 343.1  | 279.9  | 454.4  |
| 75°   | 763.7  | 244.5  | 282.2  | 353.6  |
| 77.5° | 571.8  | 185.8  | 252.1  | 246.8  |
| 80°   | 436.4  | 146.7  | 206.9  | 195.6  |
| 82.5° | 325.0  | 116.6  | 146.7  | 144.5  |
| 85°   | 161.8  | 67.7   | 75.2   | 60.2   |
| 87.5° | 66.2   | 33.1   | 27.1   | 15.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)