

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-835-1D-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-050D-835-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE  
DOWNLIGHT 500 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

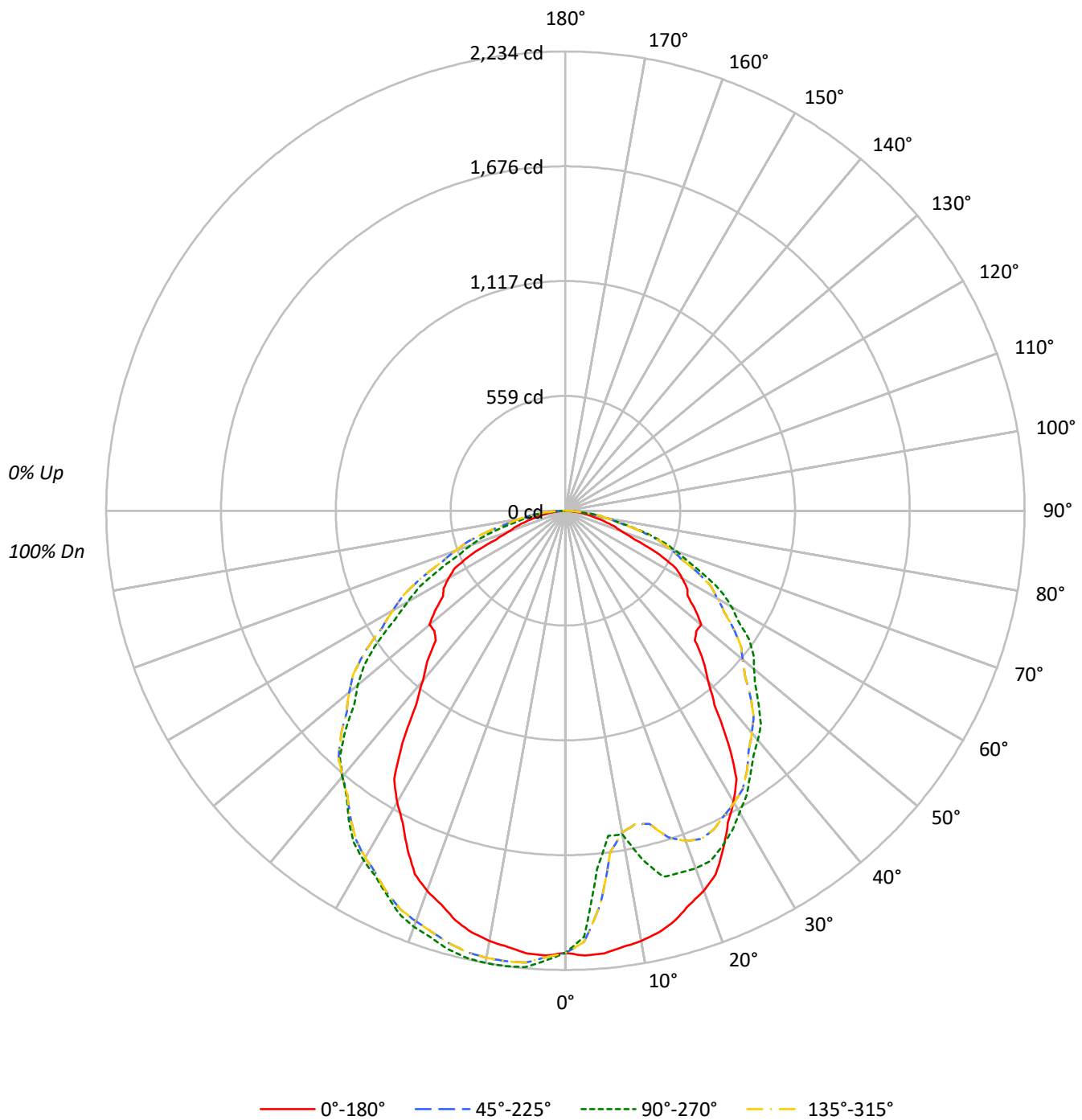
Lumens per Lamp: N/A  
Luminaire Lumens: 5573.9 lumens  
Efficiency: N/A  
Efficacy: 104.4 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 0.29' x L: 12' x H: 0')  
CIE Type: Direct

Input Watts (W): 53.4  
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-835-1D-UNV-STD-W-12

### 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  |     |     |     | 10  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 |
| 1   | 109 | 105 | 100 | 97  | 106 | 102 | 98  | 95  | 98  | 95  | 92  | 94  | 92  | 89  | 91  | 88  | 87  |
| 2   | 99  | 91  | 85  | 79  | 97  | 90  | 83  | 78  | 86  | 81  | 76  | 83  | 78  | 75  | 80  | 76  | 73  |
| 3   | 91  | 81  | 73  | 66  | 88  | 79  | 72  | 66  | 76  | 70  | 64  | 73  | 68  | 63  | 71  | 66  | 62  |
| 4   | 83  | 71  | 63  | 56  | 81  | 70  | 62  | 56  | 68  | 61  | 55  | 65  | 59  | 54  | 63  | 58  | 54  |
| 5   | 77  | 64  | 55  | 49  | 75  | 63  | 54  | 48  | 61  | 53  | 48  | 59  | 52  | 47  | 57  | 51  | 47  |
| 6   | 71  | 58  | 49  | 42  | 69  | 57  | 48  | 42  | 55  | 47  | 42  | 53  | 47  | 41  | 52  | 46  | 41  |
| 7   | 66  | 52  | 44  | 38  | 64  | 51  | 43  | 37  | 50  | 43  | 37  | 48  | 42  | 37  | 47  | 41  | 37  |
| 8   | 61  | 48  | 39  | 33  | 60  | 47  | 39  | 33  | 46  | 38  | 33  | 44  | 38  | 33  | 43  | 37  | 33  |
| 9   | 57  | 44  | 36  | 30  | 56  | 43  | 35  | 30  | 42  | 35  | 30  | 41  | 34  | 30  | 40  | 34  | 30  |
| 10  | 54  | 40  | 33  | 27  | 52  | 40  | 32  | 27  | 39  | 32  | 27  | 38  | 32  | 27  | 37  | 31  | 27  |

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

|     | 0°   | 90°  | 180° | 270° |
|-----|------|------|------|------|
| 0°  | 6615 | 6615 | 6615 | 6615 |
| 5°  | 6672 | 5409 | 6672 | 6879 |
| 10° | 6634 | 4988 | 6634 | 6978 |
| 15° | 6570 | 5870 | 6570 | 7030 |
| 20° | 6440 | 6061 | 6440 | 7053 |
| 25° | 6166 | 6118 | 6166 | 6988 |
| 30° | 5810 | 6020 | 5810 | 6973 |
| 35° | 5187 | 5891 | 5187 | 6899 |
| 40° | 4330 | 5849 | 4330 | 6773 |
| 45° | 3877 | 5779 | 3877 | 6585 |
| 50° | 4128 | 5725 | 4128 | 6309 |
| 55° | 3895 | 5848 | 3895 | 5990 |
| 60° | 4031 | 5733 | 4031 | 5445 |
| 65° | 3673 | 5479 | 3673 | 4902 |
| 70° | 2562 | 5142 | 2562 | 4374 |
| 75° | 2273 | 4546 | 2273 | 3796 |
| 80° | 1874 | 3531 | 1874 | 3243 |
| 85° | 1150 | 2442 | 1150 | 2872 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 230°

Vertical Angle: 45°

Luminance: 6727 cd/sqm

TEST NUMBER:

CATALOG NUMBER: SQ4-FA-0U-050D-835-1D-UNV-STD-W-12

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 193.9  | 3.5       |
| 10°-20°   | 551.0  | 9.9       |
| 20°-30°   | 851.6  | 15.3      |
| 30°-40°   | 1017.4 | 18.3      |
| 40°-50°   | 1024.0 | 18.4      |
| 50°-60°   | 889.1  | 16.0      |
| 60°-70°   | 629.3  | 11.3      |
| 70°-80°   | 332.9  | 6.0       |
| 80°-90°   | 84.7   | 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°    | 1596.5 | 28.6      |
| 0°-40°    | 2614.0 | 46.9      |
| 0°-60°    | 4527.0 | 81.2      |
| 0°-90°    | 5573.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5573.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 2151 | 2151 | 2151 | 2151 | 2151 |      |
| 5°  | 2161 | 1752 | 2161 | 2228 | 2161 | 205  |
| 15° | 2063 | 1844 | 2063 | 2208 | 2063 | 580  |
| 25° | 1817 | 1803 | 1817 | 2059 | 1817 | 833  |
| 35° | 1382 | 1569 | 1382 | 1838 | 1382 | 853  |
| 45° | 891  | 1329 | 891  | 1514 | 891  | 718  |
| 55° | 726  | 1091 | 726  | 1117 | 726  | 668  |
| 65° | 505  | 753  | 505  | 674  | 505  | 480  |
| 75° | 191  | 383  | 191  | 320  | 191  | 202  |
| 85° | 33   | 69   | 33   | 81   | 33   | 47   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |

TEST NUMBER:

CATALOG NUMBER: SQ4-FA-0U-050D-835-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 10°    | 20°    | 30°    | 40°    | 50°    | 60°    | 70°    | 80°    | 90°    | 100°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2150.9 | 2150.9 | 2150.9 | 2150.9 | 2150.9 | 2150.9 | 2150.9 | 2150.9 | 2150.9 | 2150.9 | 2150.9 |
| 2.5°  | 2165.6 | 2149.3 | 2142.8 | 2129.8 | 2105.4 | 2092.3 | 2102.1 | 2085.8 | 2092.3 | 2074.4 | 2092.3 |
| 5°    | 2161.1 | 2124.5 | 2094.0 | 2043.1 | 1969.8 | 1884.4 | 1864.0 | 1811.1 | 1778.6 | 1752.1 | 1778.6 |
| 7.5°  | 2140.8 | 2078.1 | 1984.9 | 1829.4 | 1704.5 | 1643.4 | 1628.4 | 1613.3 | 1609.2 | 1595.8 | 1609.2 |
| 10°   | 2124.5 | 2039.0 | 1866.1 | 1691.0 | 1603.5 | 1575.1 | 1581.2 | 1587.3 | 1599.5 | 1597.4 | 1599.5 |
| 12.5° | 2101.7 | 1970.7 | 1742.3 | 1621.0 | 1562.8 | 1562.0 | 1607.2 | 1688.2 | 1744.4 | 1740.7 | 1744.4 |
| 15°   | 2063.4 | 1839.6 | 1625.9 | 1548.6 | 1530.3 | 1623.9 | 1788.7 | 1827.4 | 1841.6 | 1843.7 | 1841.6 |
| 17.5° | 2008.5 | 1711.4 | 1551.5 | 1500.6 | 1562.8 | 1766.3 | 1816.4 | 1833.9 | 1846.1 | 1846.9 | 1846.1 |
| 20°   | 1967.8 | 1646.3 | 1514.0 | 1479.4 | 1644.2 | 1774.5 | 1805.0 | 1827.4 | 1847.7 | 1851.8 | 1847.7 |
| 22.5° | 1912.5 | 1600.7 | 1474.9 | 1464.8 | 1689.8 | 1766.3 | 1793.6 | 1827.4 | 1844.5 | 1843.7 | 1844.5 |
| 25°   | 1817.2 | 1544.5 | 1426.5 | 1448.9 | 1695.1 | 1723.6 | 1776.5 | 1798.9 | 1800.9 | 1803.0 | 1800.9 |
| 27.5° | 1712.6 | 1495.3 | 1369.9 | 1459.5 | 1662.2 | 1682.5 | 1739.5 | 1750.9 | 1758.6 | 1755.4 | 1758.6 |
| 30°   | 1636.1 | 1461.1 | 1330.9 | 1461.1 | 1636.1 | 1648.3 | 1705.3 | 1713.4 | 1703.3 | 1695.1 | 1703.3 |
| 32.5° | 1549.8 | 1418.8 | 1293.4 | 1449.7 | 1597.0 | 1614.1 | 1659.7 | 1656.5 | 1646.3 | 1639.8 | 1646.3 |
| 35°   | 1381.7 | 1347.1 | 1225.0 | 1412.3 | 1530.3 | 1552.7 | 1579.1 | 1577.1 | 1575.1 | 1569.0 | 1575.1 |
| 37.5° | 1192.5 | 1262.5 | 1157.5 | 1354.1 | 1466.0 | 1464.4 | 1503.8 | 1512.4 | 1510.3 | 1502.6 | 1510.3 |
| 40°   | 1078.5 | 1192.5 | 1115.2 | 1308.5 | 1420.4 | 1404.1 | 1455.0 | 1465.2 | 1463.1 | 1457.0 | 1463.1 |
| 42.5° | 993.9  | 1099.7 | 1066.3 | 1253.1 | 1365.0 | 1345.5 | 1407.8 | 1418.0 | 1412.7 | 1408.2 | 1412.7 |
| 45°   | 891.3  | 909.6  | 991.0  | 1164.0 | 1271.8 | 1269.8 | 1337.0 | 1347.1 | 1334.9 | 1328.8 | 1334.9 |
| 47.5° | 864.4  | 733.4  | 908.8  | 1060.6 | 1179.5 | 1187.2 | 1259.2 | 1268.2 | 1257.2 | 1251.9 | 1257.2 |
| 50°   | 862.8  | 647.1  | 848.6  | 980.8  | 1119.2 | 1133.5 | 1208.8 | 1212.8 | 1198.6 | 1196.6 | 1198.6 |
| 52.5° | 799.3  | 598.3  | 778.6  | 910.8  | 1067.1 | 1084.6 | 1153.4 | 1152.6 | 1151.4 | 1154.2 | 1151.4 |
| 55°   | 726.5  | 539.3  | 657.3  | 807.9  | 987.0  | 1009.3 | 1070.4 | 1072.4 | 1086.7 | 1090.7 | 1086.7 |
| 57.5° | 702.5  | 472.5  | 545.0  | 718.7  | 906.4  | 923.9  | 981.3  | 986.1  | 995.9  | 995.5  | 995.9  |
| 60°   | 655.3  | 425.3  | 478.2  | 663.4  | 844.5  | 866.9  | 917.8  | 925.9  | 934.0  | 932.0  | 934.0  |
| 62.5° | 606.4  | 392.7  | 445.7  | 617.8  | 785.9  | 809.9  | 844.5  | 859.2  | 862.4  | 858.8  | 862.4  |
| 65°   | 504.7  | 350.0  | 394.8  | 545.4  | 696.0  | 722.4  | 744.8  | 755.0  | 757.0  | 752.9  | 757.0  |
| 67.5° | 364.7  | 310.5  | 354.9  | 473.7  | 592.6  | 622.3  | 635.3  | 641.4  | 639.4  | 646.7  | 639.4  |
| 70°   | 284.9  | 282.9  | 325.6  | 423.3  | 529.1  | 555.5  | 563.7  | 569.8  | 567.8  | 571.8  | 567.8  |
| 72.5° | 245.8  | 260.1  | 294.7  | 371.2  | 457.5  | 483.9  | 488.8  | 490.0  | 496.1  | 492.1  | 496.1  |
| 75°   | 191.3  | 221.8  | 244.2  | 293.0  | 358.2  | 376.5  | 378.5  | 380.5  | 376.5  | 382.6  | 376.5  |
| 77.5° | 133.5  | 168.9  | 188.8  | 216.9  | 260.9  | 272.3  | 271.9  | 273.1  | 269.8  | 269.4  | 269.8  |
| 80°   | 105.8  | 128.2  | 146.5  | 164.8  | 197.4  | 205.5  | 203.5  | 201.5  | 201.5  | 199.4  | 201.5  |
| 82.5° | 78.1   | 90.8   | 107.4  | 120.9  | 142.0  | 143.7  | 146.5  | 142.9  | 142.9  | 145.7  | 142.9  |
| 85°   | 32.6   | 42.7   | 54.9   | 61.0   | 69.2   | 71.2   | 67.2   | 73.3   | 69.2   | 69.2   | 69.2   |
| 87.5° | 8.1    | 13.0   | 19.5   | 22.8   | 24.4   | 22.8   | 22.8   | 19.5   | 19.5   | 19.5   | 19.5   |
| 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-835-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 120°   | 130°   | 140°   | 150°   | 160°   | 170°   | 180°   | 190°   | 200°   | 210°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2150.9 | 2150.9 | 2150.9 | 2150.9 | 2150.9 | 2150.9 | 2150.9 | 2150.9 | 2150.9 | 2150.9 | 2150.9 |
| 2.5°  | 2085.8 | 2102.1 | 2092.3 | 2105.4 | 2129.8 | 2142.8 | 2149.3 | 2165.6 | 2165.6 | 2175.4 | 2178.6 |
| 5°    | 1811.1 | 1864.0 | 1884.4 | 1969.8 | 2043.1 | 2094.0 | 2124.5 | 2161.1 | 2177.4 | 2199.8 | 2207.9 |
| 7.5°  | 1613.3 | 1628.4 | 1643.4 | 1704.5 | 1829.4 | 1984.9 | 2078.1 | 2140.8 | 2173.7 | 2203.0 | 2214.8 |
| 10°   | 1587.3 | 1581.2 | 1575.1 | 1603.5 | 1691.0 | 1866.1 | 2039.0 | 2124.5 | 2167.2 | 2199.8 | 2210.0 |
| 12.5° | 1688.2 | 1607.2 | 1562.0 | 1562.8 | 1621.0 | 1742.3 | 1970.7 | 2101.7 | 2157.5 | 2188.4 | 2200.2 |
| 15°   | 1827.4 | 1788.7 | 1623.9 | 1530.3 | 1548.6 | 1625.9 | 1839.6 | 2063.4 | 2132.6 | 2161.1 | 2179.4 |
| 17.5° | 1833.9 | 1816.4 | 1766.3 | 1562.8 | 1500.6 | 1551.5 | 1711.4 | 2008.5 | 2096.4 | 2130.2 | 2146.5 |
| 20°   | 1827.4 | 1805.0 | 1774.5 | 1644.2 | 1479.4 | 1514.0 | 1646.3 | 1967.8 | 2065.5 | 2104.1 | 2120.4 |
| 22.5° | 1827.4 | 1793.6 | 1766.3 | 1689.8 | 1464.8 | 1474.9 | 1600.7 | 1912.5 | 2032.9 | 2073.2 | 2089.5 |
| 25°   | 1798.9 | 1776.5 | 1723.6 | 1695.1 | 1448.9 | 1426.5 | 1544.5 | 1817.2 | 1980.0 | 2014.6 | 2039.0 |
| 27.5° | 1750.9 | 1739.5 | 1682.5 | 1662.2 | 1459.5 | 1369.9 | 1495.3 | 1712.6 | 1907.2 | 1956.4 | 1982.9 |
| 30°   | 1713.4 | 1705.3 | 1648.3 | 1636.1 | 1461.1 | 1330.9 | 1461.1 | 1636.1 | 1843.7 | 1910.8 | 1945.4 |
| 32.5° | 1656.5 | 1659.7 | 1614.1 | 1597.0 | 1449.7 | 1293.4 | 1418.8 | 1549.8 | 1749.2 | 1863.6 | 1904.7 |
| 35°   | 1577.1 | 1579.1 | 1552.7 | 1530.3 | 1412.3 | 1225.0 | 1347.1 | 1381.7 | 1634.1 | 1796.9 | 1831.5 |
| 37.5° | 1512.4 | 1503.8 | 1464.4 | 1466.0 | 1354.1 | 1157.5 | 1262.5 | 1192.5 | 1529.9 | 1726.5 | 1751.7 |
| 40°   | 1465.2 | 1455.0 | 1404.1 | 1420.4 | 1308.5 | 1115.2 | 1192.5 | 1078.5 | 1430.6 | 1672.7 | 1693.1 |
| 42.5° | 1418.0 | 1407.8 | 1345.5 | 1365.0 | 1253.1 | 1066.3 | 1099.7 | 993.9  | 1321.5 | 1615.8 | 1621.5 |
| 45°   | 1347.1 | 1337.0 | 1269.8 | 1271.8 | 1164.0 | 991.0  | 909.6  | 891.3  | 1257.6 | 1524.2 | 1524.2 |
| 47.5° | 1268.2 | 1259.2 | 1187.2 | 1179.5 | 1060.6 | 908.8  | 733.4  | 864.4  | 1168.1 | 1425.7 | 1424.9 |
| 50°   | 1212.8 | 1208.8 | 1133.5 | 1119.2 | 980.8  | 848.6  | 647.1  | 862.8  | 1102.9 | 1341.0 | 1361.4 |
| 52.5° | 1152.6 | 1153.4 | 1084.6 | 1067.1 | 910.8  | 778.6  | 598.3  | 799.3  | 1023.2 | 1232.0 | 1296.3 |
| 55°   | 1072.4 | 1070.4 | 1009.3 | 987.0  | 807.9  | 657.3  | 539.3  | 726.5  | 899.5  | 1080.6 | 1188.4 |
| 57.5° | 986.1  | 981.3  | 923.9  | 906.4  | 718.7  | 545.0  | 472.5  | 702.5  | 707.4  | 942.2  | 1079.7 |
| 60°   | 925.9  | 917.8  | 866.9  | 844.5  | 663.4  | 478.2  | 425.3  | 655.3  | 541.3  | 844.5  | 995.1  |
| 62.5° | 859.2  | 844.5  | 809.9  | 785.9  | 617.8  | 445.7  | 392.7  | 606.4  | 422.5  | 733.8  | 913.7  |
| 65°   | 755.0  | 744.8  | 722.4  | 696.0  | 545.4  | 394.8  | 350.0  | 504.7  | 329.7  | 502.6  | 793.6  |
| 67.5° | 641.4  | 635.3  | 622.3  | 592.6  | 473.7  | 354.9  | 310.5  | 364.7  | 250.7  | 319.1  | 679.3  |
| 70°   | 569.8  | 563.7  | 555.5  | 529.1  | 423.3  | 325.6  | 282.9  | 284.9  | 179.1  | 236.1  | 604.4  |
| 72.5° | 490.0  | 488.8  | 483.9  | 457.5  | 371.2  | 294.7  | 260.1  | 245.8  | 151.4  | 185.6  | 527.9  |
| 75°   | 380.5  | 378.5  | 376.5  | 358.2  | 293.0  | 244.2  | 221.8  | 191.3  | 152.6  | 132.3  | 413.1  |
| 77.5° | 273.1  | 271.9  | 272.3  | 260.9  | 216.9  | 188.8  | 168.9  | 133.5  | 136.3  | 100.5  | 309.3  |
| 80°   | 201.5  | 203.5  | 205.5  | 197.4  | 164.8  | 146.5  | 128.2  | 105.8  | 111.9  | 79.4   | 236.1  |
| 82.5° | 142.9  | 146.5  | 143.7  | 142.0  | 120.9  | 107.4  | 90.8   | 78.1   | 79.4   | 63.1   | 175.8  |
| 85°   | 73.3   | 67.2   | 71.2   | 69.2   | 61.0   | 54.9   | 42.7   | 32.6   | 40.7   | 36.6   | 87.5   |
| 87.5° | 19.5   | 22.8   | 22.8   | 24.4   | 22.8   | 19.5   | 13.0   | 8.1    | 14.7   | 17.9   | 35.8   |
| 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-835-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

|       | 220°   | 230°   | 240°   | 250°   | 260°   | 270°   | 280°   | 290°   | 300°   | 310°   | 320°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2150.9 | 2150.9 | 2150.9 | 2150.9 | 2150.9 | 2150.9 | 2150.9 | 2150.9 | 2150.9 | 2150.9 | 2150.9 |
| 2.5°  | 2173.7 | 2173.7 | 2188.4 | 2191.6 | 2194.9 | 2190.0 | 2194.9 | 2191.6 | 2188.4 | 2173.7 | 2173.7 |
| 5°    | 2205.9 | 2205.9 | 2226.2 | 2232.3 | 2232.3 | 2228.3 | 2232.3 | 2232.3 | 2226.2 | 2205.9 | 2205.9 |
| 7.5°  | 2208.7 | 2212.0 | 2232.3 | 2236.8 | 2240.5 | 2234.4 | 2240.5 | 2236.8 | 2232.3 | 2212.0 | 2208.7 |
| 10°   | 2203.9 | 2212.0 | 2232.3 | 2238.5 | 2240.5 | 2234.4 | 2240.5 | 2238.5 | 2232.3 | 2212.0 | 2203.9 |
| 12.5° | 2197.3 | 2203.9 | 2224.2 | 2228.7 | 2232.3 | 2227.9 | 2232.3 | 2228.7 | 2224.2 | 2203.9 | 2197.3 |
| 15°   | 2175.4 | 2183.5 | 2205.9 | 2210.0 | 2214.0 | 2207.9 | 2214.0 | 2210.0 | 2205.9 | 2183.5 | 2175.4 |
| 17.5° | 2144.8 | 2155.0 | 2175.4 | 2181.9 | 2183.9 | 2176.2 | 2183.9 | 2181.9 | 2175.4 | 2155.0 | 2144.8 |
| 20°   | 2120.4 | 2130.6 | 2150.9 | 2159.1 | 2161.1 | 2155.0 | 2161.1 | 2159.1 | 2150.9 | 2130.6 | 2120.4 |
| 22.5° | 2089.5 | 2106.2 | 2124.9 | 2128.2 | 2125.3 | 2119.2 | 2125.3 | 2128.2 | 2124.9 | 2106.2 | 2089.5 |
| 25°   | 2045.1 | 2059.4 | 2065.5 | 2065.5 | 2065.5 | 2059.4 | 2065.5 | 2065.5 | 2065.5 | 2059.4 | 2045.1 |
| 27.5° | 1988.6 | 1995.9 | 1999.5 | 2002.8 | 2006.9 | 2002.8 | 2006.9 | 2002.8 | 1999.5 | 1995.9 | 1988.6 |
| 30°   | 1949.5 | 1945.4 | 1955.6 | 1963.7 | 1967.8 | 1963.7 | 1967.8 | 1963.7 | 1955.6 | 1945.4 | 1949.5 |
| 32.5° | 1895.8 | 1898.2 | 1913.3 | 1918.2 | 1919.0 | 1914.9 | 1919.0 | 1918.2 | 1913.3 | 1898.2 | 1895.8 |
| 35°   | 1817.2 | 1827.4 | 1837.6 | 1841.6 | 1843.7 | 1837.6 | 1843.7 | 1841.6 | 1837.6 | 1827.4 | 1817.2 |
| 37.5° | 1734.2 | 1752.1 | 1759.4 | 1754.9 | 1755.4 | 1748.8 | 1755.4 | 1754.9 | 1759.4 | 1752.1 | 1734.2 |
| 40°   | 1678.8 | 1695.1 | 1699.2 | 1693.1 | 1695.1 | 1687.0 | 1695.1 | 1693.1 | 1699.2 | 1695.1 | 1678.8 |
| 42.5° | 1626.7 | 1639.8 | 1635.7 | 1628.0 | 1626.7 | 1623.5 | 1626.7 | 1628.0 | 1635.7 | 1639.8 | 1626.7 |
| 45°   | 1540.5 | 1546.6 | 1528.3 | 1522.1 | 1518.1 | 1514.0 | 1518.1 | 1522.1 | 1528.3 | 1546.6 | 1540.5 |
| 47.5° | 1446.0 | 1437.9 | 1420.4 | 1411.0 | 1399.6 | 1391.9 | 1399.6 | 1411.0 | 1420.4 | 1437.9 | 1446.0 |
| 50°   | 1385.8 | 1361.4 | 1347.1 | 1324.8 | 1316.6 | 1318.7 | 1316.6 | 1324.8 | 1347.1 | 1361.4 | 1385.8 |
| 52.5° | 1312.5 | 1283.2 | 1260.9 | 1241.7 | 1235.2 | 1234.0 | 1235.2 | 1241.7 | 1260.9 | 1283.2 | 1312.5 |
| 55°   | 1206.7 | 1162.0 | 1125.3 | 1115.2 | 1113.1 | 1117.2 | 1113.1 | 1115.2 | 1125.3 | 1162.0 | 1206.7 |
| 57.5° | 1076.9 | 1032.9 | 1002.8 | 994.7  | 987.8  | 981.3  | 987.8  | 994.7  | 1002.8 | 1032.9 | 1076.9 |
| 60°   | 989.0  | 948.3  | 919.8  | 911.7  | 893.3  | 885.2  | 893.3  | 911.7  | 919.8  | 948.3  | 989.0  |
| 62.5° | 910.8  | 862.0  | 840.0  | 823.8  | 810.3  | 797.3  | 810.3  | 823.8  | 840.0  | 862.0  | 910.8  |
| 65°   | 797.7  | 740.7  | 718.3  | 704.1  | 679.7  | 673.6  | 679.7  | 704.1  | 718.3  | 740.7  | 797.7  |
| 67.5° | 674.0  | 624.3  | 596.2  | 577.1  | 561.6  | 561.2  | 561.6  | 577.1  | 596.2  | 624.3  | 674.0  |
| 70°   | 594.2  | 549.4  | 523.0  | 500.6  | 488.4  | 486.4  | 488.4  | 500.6  | 523.0  | 549.4  | 594.2  |
| 72.5° | 516.1  | 472.9  | 449.7  | 429.0  | 418.4  | 416.4  | 418.4  | 429.0  | 449.7  | 472.9  | 516.1  |
| 75°   | 405.0  | 364.3  | 345.9  | 331.7  | 323.6  | 319.5  | 323.6  | 331.7  | 345.9  | 364.3  | 405.0  |
| 77.5° | 299.5  | 266.6  | 257.2  | 242.6  | 235.6  | 235.2  | 235.6  | 242.6  | 257.2  | 266.6  | 299.5  |
| 80°   | 236.1  | 209.6  | 195.4  | 187.2  | 185.2  | 183.1  | 185.2  | 187.2  | 195.4  | 209.6  | 236.1  |
| 82.5° | 170.9  | 155.9  | 146.5  | 141.6  | 141.2  | 137.6  | 141.2  | 141.6  | 146.5  | 155.9  | 170.9  |
| 85°   | 91.6   | 87.5   | 85.5   | 83.4   | 81.4   | 81.4   | 81.4   | 83.4   | 85.5   | 87.5   | 91.6   |
| 87.5° | 37.4   | 39.1   | 39.1   | 40.7   | 42.3   | 40.7   | 42.3   | 40.7   | 39.1   | 39.1   | 37.4   |
| 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-835-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

|       | 330°   | 340°   | 350°   | 360°   |
|-------|--------|--------|--------|--------|
| 0°    | 2150.9 | 2150.9 | 2150.9 | 2150.9 |
| 2.5°  | 2178.6 | 2175.4 | 2165.6 | 2165.6 |
| 5°    | 2207.9 | 2199.8 | 2177.4 | 2161.1 |
| 7.5°  | 2214.8 | 2203.0 | 2173.7 | 2140.8 |
| 10°   | 2210.0 | 2199.8 | 2167.2 | 2124.5 |
| 12.5° | 2200.2 | 2188.4 | 2157.5 | 2101.7 |
| 15°   | 2179.4 | 2161.1 | 2132.6 | 2063.4 |
| 17.5° | 2146.5 | 2130.2 | 2096.4 | 2008.5 |
| 20°   | 2120.4 | 2104.1 | 2065.5 | 1967.8 |
| 22.5° | 2089.5 | 2073.2 | 2032.9 | 1912.5 |
| 25°   | 2039.0 | 2014.6 | 1980.0 | 1817.2 |
| 27.5° | 1982.9 | 1956.4 | 1907.2 | 1712.6 |
| 30°   | 1945.4 | 1910.8 | 1843.7 | 1636.1 |
| 32.5° | 1904.7 | 1863.6 | 1749.2 | 1549.8 |
| 35°   | 1831.5 | 1796.9 | 1634.1 | 1381.7 |
| 37.5° | 1751.7 | 1726.5 | 1529.9 | 1192.5 |
| 40°   | 1693.1 | 1672.7 | 1430.6 | 1078.5 |
| 42.5° | 1621.5 | 1615.8 | 1321.5 | 993.9  |
| 45°   | 1524.2 | 1524.2 | 1257.6 | 891.3  |
| 47.5° | 1424.9 | 1425.7 | 1168.1 | 864.4  |
| 50°   | 1361.4 | 1341.0 | 1102.9 | 862.8  |
| 52.5° | 1296.3 | 1232.0 | 1023.2 | 799.3  |
| 55°   | 1188.4 | 1080.6 | 899.5  | 726.5  |
| 57.5° | 1079.7 | 942.2  | 707.4  | 702.5  |
| 60°   | 995.1  | 844.5  | 541.3  | 655.3  |
| 62.5° | 913.7  | 733.8  | 422.5  | 606.4  |
| 65°   | 793.6  | 502.6  | 329.7  | 504.7  |
| 67.5° | 679.3  | 319.1  | 250.7  | 364.7  |
| 70°   | 604.4  | 236.1  | 179.1  | 284.9  |
| 72.5° | 527.9  | 185.6  | 151.4  | 245.8  |
| 75°   | 413.1  | 132.3  | 152.6  | 191.3  |
| 77.5° | 309.3  | 100.5  | 136.3  | 133.5  |
| 80°   | 236.1  | 79.4   | 111.9  | 105.8  |
| 82.5° | 175.8  | 63.1   | 79.4   | 78.1   |
| 85°   | 87.5   | 36.6   | 40.7   | 32.6   |
| 87.5° | 35.8   | 17.9   | 14.7   | 8.1    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)