

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: P934301

Luminaire Tested: SQ4-FA-050U-050D-B40-1D-UNV-W2A-W-12

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P934301  
REPORT IS A COMBINATION OF REPORTS P933689 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-050U-050D-B40-1D-UNV-W2A-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

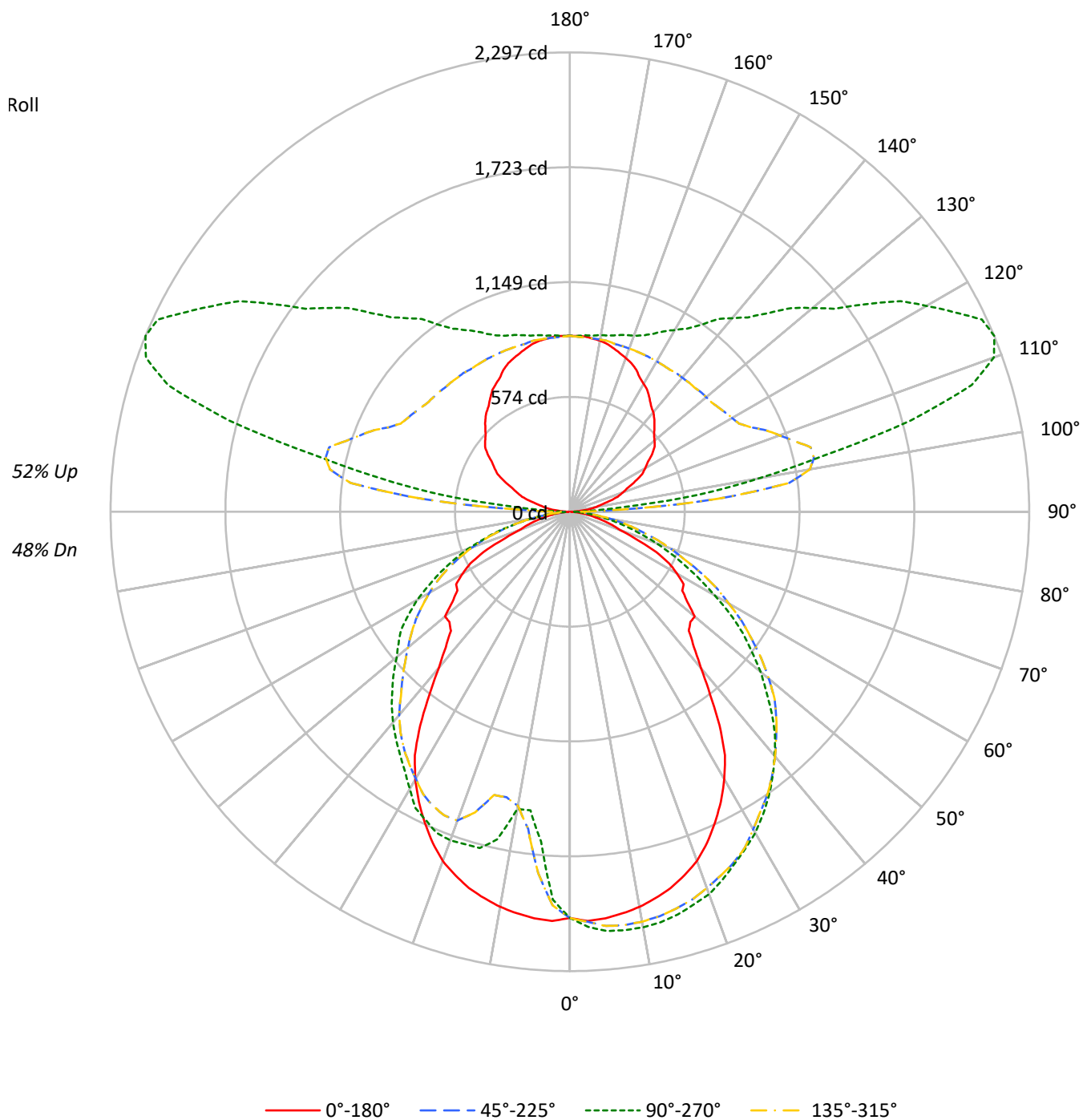
Lumens per Lamp: N/A  
Luminaire Lumens: 10972.9 lumens  
Efficiency: N/A  
Efficacy: 128.8 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 85.2  
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: P934301

CATALOG NUMBER: SQ4-FA-050U-050D-B40-1D-UNV-W2A-W-12

### Luminous Intensity Polar Plot



TEST NUMBER: P934301

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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   | 107 | 107 | 107 | 107 | 98 | 98 | 98 | 98 | 82 | 82 | 82 | 68 | 68 | 68 | 54 | 54 | 54 |
| 1   | 97  | 93  | 89  | 86  | 89 | 86 | 83 | 80 | 72 | 70 | 68 | 60 | 58 | 56 | 48 | 47 | 46 |
| 2   | 89  | 81  | 75  | 70  | 81 | 75 | 70 | 65 | 63 | 59 | 56 | 52 | 50 | 47 | 42 | 40 | 39 |
| 3   | 81  | 71  | 64  | 58  | 74 | 66 | 60 | 55 | 56 | 51 | 47 | 46 | 43 | 40 | 38 | 35 | 33 |
| 4   | 74  | 63  | 55  | 49  | 68 | 58 | 52 | 46 | 50 | 44 | 40 | 41 | 37 | 34 | 33 | 31 | 28 |
| 5   | 68  | 56  | 48  | 42  | 62 | 52 | 45 | 40 | 44 | 39 | 35 | 37 | 33 | 30 | 30 | 27 | 25 |
| 6   | 62  | 50  | 42  | 37  | 57 | 47 | 40 | 34 | 40 | 34 | 30 | 33 | 29 | 26 | 27 | 24 | 22 |
| 7   | 58  | 45  | 38  | 32  | 53 | 42 | 35 | 30 | 36 | 30 | 26 | 30 | 26 | 23 | 25 | 22 | 19 |
| 8   | 54  | 41  | 34  | 28  | 49 | 38 | 31 | 27 | 33 | 27 | 23 | 28 | 23 | 20 | 23 | 20 | 17 |
| 9   | 50  | 38  | 30  | 25  | 46 | 35 | 28 | 24 | 30 | 25 | 21 | 25 | 21 | 18 | 21 | 18 | 16 |
| 10  | 47  | 34  | 27  | 22  | 43 | 32 | 26 | 21 | 28 | 22 | 19 | 23 | 19 | 16 | 20 | 16 | 14 |

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

|     | 0°   | 90°  | 180° | 270° |
|-----|------|------|------|------|
| 0°  | 6282 | 6282 | 6282 | 6282 |
| 5°  | 6331 | 6341 | 6331 | 4986 |
| 10° | 6291 | 6246 | 6291 | 4466 |
| 15° | 6225 | 6111 | 6225 | 5103 |
| 20° | 6097 | 5951 | 6097 | 5114 |
| 25° | 5833 | 5717 | 5833 | 5005 |
| 30° | 5491 | 5523 | 5491 | 4768 |
| 35° | 4898 | 5277 | 4898 | 4506 |
| 40° | 4083 | 4988 | 4083 | 4308 |
| 45° | 3651 | 4650 | 3651 | 4081 |
| 50° | 3882 | 4246 | 3882 | 3853 |
| 55° | 3656 | 3812 | 3656 | 3721 |
| 60° | 3773 | 3237 | 3773 | 3408 |
| 65° | 3426 | 2676 | 3426 | 2991 |
| 70° | 2378 | 2133 | 2378 | 2508 |
| 75° | 2093 | 1577 | 2093 | 1888 |
| 80° | 1699 | 1043 | 1699 | 1135 |
| 85° | 998  | 552  | 998  | 469  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 5592 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 183.3   | 1.7       |
| 10°-20°   | 520.5   | 4.7       |
| 20°-30°   | 804.6   | 7.3       |
| 30°-40°   | 960.6   | 8.8       |
| 40°-50°   | 966.2   | 8.8       |
| 50°-60°   | 840.7   | 7.7       |
| 60°-70°   | 596.1   | 5.4       |
| 70°-80°   | 315.4   | 2.9       |
| 80°-90°   | 81.9    | 0.7       |
| 90°-100°  | 428.9   | 3.9       |
| 100°-110° | 1127.5  | 10.3      |
| 110°-120° | 1169.1  | 10.7      |
| 120°-130° | 937.8   | 8.5       |
| 130°-140° | 735.9   | 6.7       |
| 140°-150° | 564.8   | 5.1       |
| 150°-160° | 406.7   | 3.7       |
| 160°-170° | 248.9   | 2.3       |
| 170°-180° | 84.1    | 0.8       |
| 0°-30°    | 1508.5  | 13.7      |
| 0°-40°    | 2469.0  | 22.5      |
| 0°-60°    | 4275.9  | 39.0      |
| 0°-90°    | 5269.2  | 48.0      |
| 90°-120°  | 2725.5  | 24.8      |
| 90°-150°  | 4964.0  | 45.2      |
| 90°-180°  | 5704.0  | 52.0      |
| 0°-180°   | 10972.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 2031 | 2031 | 2031 | 2031 | 2031 |      |
| 5°   | 2040 | 2104 | 2040 | 1654 | 2040 | 194  |
| 15°  | 1948 | 2085 | 1948 | 1741 | 1948 | 548  |
| 25°  | 1716 | 1944 | 1716 | 1702 | 1716 | 788  |
| 35°  | 1305 | 1735 | 1305 | 1481 | 1305 | 807  |
| 45°  | 842  | 1430 | 842  | 1255 | 842  | 674  |
| 55°  | 686  | 1055 | 686  | 1030 | 686  | 630  |
| 65°  | 476  | 636  | 476  | 711  | 476  | 455  |
| 75°  | 181  | 302  | 181  | 361  | 181  | 190  |
| 85°  | 31   | 77   | 31   | 65   | 31   | 42   |
| 90°  | 6    | 22   | 6    | 22   | 6    | 6    |
| 95°  | 57   | 259  | 57   | 259  | 57   | 63   |
| 105° | 203  | 1766 | 203  | 1766 | 203  | 215  |
| 115° | 361  | 2274 | 361  | 2274 | 361  | 356  |
| 125° | 502  | 1810 | 502  | 1810 | 502  | 446  |
| 135° | 598  | 1405 | 598  | 1405 | 598  | 463  |
| 145° | 694  | 1140 | 694  | 1140 | 694  | 435  |
| 155° | 784  | 982  | 784  | 982  | 784  | 360  |
| 165° | 846  | 914  | 846  | 914  | 846  | 239  |
| 175° | 880  | 886  | 880  | 886  | 880  | 84   |
| 180° | 880  | 880  | 880  | 880  | 880  |      |



TEST NUMBER: P934301

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 |
| 2.5°   | 2048.2 | 2048.2 | 2059.7 | 2063.6 | 2063.6 | 2057.8 | 2052.1 | 2057.8 | 2075.1 | 2080.8 | 2078.9 |
| 5°     | 2040.5 | 2055.9 | 2077.0 | 2080.8 | 2084.8 | 2082.9 | 2078.9 | 2082.9 | 2102.1 | 2105.9 | 2107.8 |
| 7.5°   | 2025.2 | 2054.0 | 2080.8 | 2086.7 | 2092.4 | 2086.7 | 2084.8 | 2088.6 | 2107.8 | 2111.6 | 2111.6 |
| 10°    | 2006.0 | 2046.3 | 2077.0 | 2080.8 | 2086.7 | 2080.8 | 2080.8 | 2088.6 | 2107.8 | 2111.6 | 2113.6 |
| 12.5°  | 1979.0 | 2034.8 | 2063.6 | 2067.5 | 2075.1 | 2073.2 | 2071.3 | 2078.9 | 2098.2 | 2102.1 | 2102.1 |
| 15°    | 1948.3 | 2013.6 | 2040.5 | 2044.4 | 2057.8 | 2054.0 | 2054.0 | 2061.7 | 2082.9 | 2088.6 | 2086.7 |
| 17.5°  | 1906.1 | 1986.8 | 2017.5 | 2023.3 | 2032.9 | 2030.9 | 2032.9 | 2040.5 | 2059.7 | 2063.6 | 2065.6 |
| 20°    | 1858.0 | 1950.2 | 1986.8 | 1992.5 | 2002.2 | 2002.2 | 2002.2 | 2011.7 | 2030.9 | 2038.6 | 2038.6 |
| 22.5°  | 1792.7 | 1911.8 | 1950.2 | 1954.1 | 1965.6 | 1965.6 | 1969.5 | 1982.9 | 2000.2 | 2002.2 | 2002.2 |
| 25°    | 1715.8 | 1869.5 | 1902.2 | 1913.7 | 1925.3 | 1931.0 | 1936.8 | 1944.5 | 1950.2 | 1948.3 | 1950.2 |
| 27.5°  | 1635.2 | 1815.7 | 1858.0 | 1865.7 | 1881.1 | 1886.8 | 1894.5 | 1896.4 | 1898.3 | 1904.1 | 1900.3 |
| 30°    | 1544.8 | 1740.8 | 1804.2 | 1811.9 | 1836.8 | 1840.8 | 1833.0 | 1836.8 | 1846.5 | 1850.3 | 1854.1 |
| 32.5°  | 1443.0 | 1629.3 | 1748.5 | 1765.8 | 1788.8 | 1777.4 | 1775.3 | 1781.2 | 1796.5 | 1796.5 | 1800.4 |
| 35°    | 1304.6 | 1542.9 | 1696.7 | 1712.0 | 1729.3 | 1715.8 | 1723.5 | 1725.4 | 1735.0 | 1740.8 | 1738.9 |
| 37.5°  | 1152.9 | 1467.9 | 1642.8 | 1654.3 | 1667.8 | 1650.5 | 1662.0 | 1667.8 | 1675.5 | 1671.6 | 1671.6 |
| 40°    | 1018.3 | 1350.8 | 1579.4 | 1587.1 | 1598.6 | 1585.2 | 1596.7 | 1600.6 | 1604.4 | 1600.6 | 1598.6 |
| 42.5°  | 918.4  | 1222.0 | 1512.1 | 1521.8 | 1514.1 | 1523.7 | 1527.5 | 1535.3 | 1529.4 | 1521.8 | 1521.8 |
| 45°    | 841.5  | 1187.4 | 1439.2 | 1450.6 | 1439.2 | 1454.6 | 1460.3 | 1460.3 | 1443.0 | 1439.2 | 1437.2 |
| 47.5°  | 816.6  | 1118.3 | 1366.1 | 1366.1 | 1360.4 | 1379.6 | 1389.1 | 1375.8 | 1358.5 | 1352.7 | 1352.7 |
| 50°    | 814.7  | 1041.4 | 1266.2 | 1258.5 | 1285.4 | 1308.4 | 1298.9 | 1285.4 | 1272.0 | 1250.9 | 1250.9 |
| 52.5°  | 739.7  | 947.3  | 1137.5 | 1166.3 | 1208.6 | 1222.0 | 1206.6 | 1193.2 | 1170.2 | 1160.5 | 1152.9 |
| 55°    | 686.0  | 849.3  | 1020.2 | 1077.9 | 1122.1 | 1139.4 | 1110.6 | 1097.1 | 1062.5 | 1056.8 | 1053.0 |
| 57.5°  | 674.4  | 707.1  | 912.7  | 985.7  | 1039.5 | 1037.6 | 1020.2 | 995.3  | 966.5  | 960.7  | 958.8  |
| 60°    | 618.7  | 511.1  | 797.4  | 883.9  | 939.5  | 933.8  | 918.4  | 895.4  | 868.5  | 864.7  | 860.8  |
| 62.5°  | 561.1  | 370.8  | 666.7  | 764.8  | 843.5  | 841.5  | 828.2  | 793.5  | 774.3  | 764.8  | 757.0  |
| 65°    | 476.5  | 311.2  | 474.6  | 636.0  | 749.4  | 753.2  | 724.4  | 699.4  | 678.2  | 666.7  | 664.8  |
| 67.5°  | 363.2  | 253.6  | 320.9  | 530.3  | 659.0  | 655.2  | 618.7  | 607.2  | 580.3  | 574.5  | 563.0  |
| 70°    | 269.0  | 169.1  | 222.9  | 430.4  | 570.7  | 561.1  | 532.2  | 518.8  | 493.8  | 480.4  | 472.6  |
| 72.5°  | 222.9  | 136.4  | 163.3  | 334.3  | 480.4  | 468.8  | 443.9  | 428.5  | 407.3  | 395.8  | 388.1  |
| 75°    | 180.6  | 144.1  | 124.9  | 247.8  | 390.0  | 382.4  | 359.3  | 343.9  | 326.6  | 311.2  | 313.1  |
| 77.5°  | 132.6  | 134.5  | 99.9   | 182.5  | 309.3  | 297.9  | 284.4  | 265.2  | 257.5  | 242.1  | 242.1  |
| 80°    | 99.9   | 105.7  | 75.0   | 124.9  | 222.9  | 222.9  | 211.3  | 197.9  | 184.4  | 176.8  | 176.8  |
| 82.5°  | 67.2   | 67.2   | 55.7   | 78.8   | 151.7  | 146.0  | 138.4  | 134.5  | 126.8  | 123.0  | 123.0  |
| 85°    | 30.8   | 38.4   | 34.6   | 48.0   | 82.6   | 86.4   | 86.4   | 82.6   | 80.7   | 76.9   | 78.8   |
| 87.5°  | 9.6    | 17.3   | 21.1   | 26.9   | 42.3   | 44.2   | 46.1   | 46.1   | 46.1   | 48.0   | 48.0   |
| 90°    | 5.9    | 10.6   | 15.4   | 16.5   | 26.0   | 38.6   | 44.9   | 39.9   | 29.9   | 22.4   | 22.4   |
| 92.5°  | 23.6   | 63.7   | 103.9  | 113.9  | 160.2  | 221.8  | 252.7  | 221.5  | 159.0  | 112.2  | 107.7  |
| 95°    | 56.7   | 130.2  | 203.7  | 222.0  | 394.2  | 623.9  | 738.7  | 659.1  | 500.1  | 380.9  | 367.3  |
| 97.5°  | 98.0   | 162.8  | 227.7  | 243.9  | 531.1  | 913.9  | 1105.4 | 1055.2 | 954.6  | 879.3  | 853.6  |
| 100°   | 129.9  | 188.7  | 247.4  | 262.1  | 580.8  | 1005.7 | 1218.2 | 1221.8 | 1229.2 | 1234.7 | 1204.1 |
| 102.5° | 157.1  | 211.9  | 266.7  | 280.5  | 603.7  | 1034.6 | 1250.1 | 1314.1 | 1442.1 | 1538.2 | 1512.0 |
| 105°   | 203.1  | 249.5  | 296.0  | 307.6  | 620.6  | 1037.9 | 1246.6 | 1390.1 | 1677.2 | 1892.5 | 1878.4 |
| 107.5° | 250.4  | 293.7  | 337.0  | 347.8  | 623.8  | 991.8  | 1175.7 | 1376.0 | 1776.5 | 2076.8 | 2080.3 |
| 110°   | 282.3  | 321.4  | 360.5  | 370.3  | 619.0  | 950.8  | 1116.7 | 1340.5 | 1788.2 | 2124.0 | 2138.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 112.5° | 313.5 | 350.8 | 388.0 | 397.4 | 619.2 | 915.0 | 1062.9 | 1292.0 | 1750.2 | 2093.9 | 2116.5 |
| 115°   | 360.8 | 395.2 | 429.6 | 438.2 | 625.0 | 874.0 | 998.5  | 1219.2 | 1660.6 | 1991.7 | 2023.1 |
| 117.5° | 407.4 | 438.6 | 469.9 | 477.7 | 636.5 | 848.3 | 954.2  | 1153.4 | 1551.8 | 1850.6 | 1885.3 |
| 120°   | 434.6 | 464.0 | 493.4 | 500.7 | 646.0 | 839.7 | 936.6  | 1118.6 | 1482.5 | 1755.6 | 1789.3 |
| 122.5° | 461.2 | 490.9 | 520.5 | 527.9 | 659.6 | 835.1 | 922.9  | 1086.8 | 1414.6 | 1660.5 | 1693.7 |
| 125°   | 501.9 | 529.0 | 556.0 | 562.8 | 678.0 | 831.4 | 908.2  | 1047.4 | 1325.8 | 1534.7 | 1565.3 |
| 127.5° | 535.0 | 562.3 | 589.6 | 596.4 | 696.2 | 829.2 | 895.8  | 1015.4 | 1254.4 | 1433.7 | 1459.6 |
| 130°   | 552.8 | 582.2 | 611.5 | 618.8 | 709.6 | 830.6 | 891.1  | 997.5  | 1210.4 | 1369.9 | 1393.8 |
| 132.5° | 571.0 | 600.4 | 629.8 | 637.2 | 720.5 | 831.4 | 886.9  | 982.2  | 1172.7 | 1315.6 | 1337.0 |
| 135°   | 598.2 | 625.0 | 651.7 | 658.4 | 732.2 | 830.7 | 879.8  | 959.7  | 1119.3 | 1238.9 | 1257.4 |
| 137.5° | 625.9 | 652.5 | 679.0 | 685.6 | 750.0 | 835.8 | 878.7  | 946.1  | 1081.1 | 1182.2 | 1197.3 |
| 140°   | 648.9 | 673.4 | 697.7 | 703.8 | 760.8 | 836.6 | 874.5  | 932.7  | 1049.4 | 1136.7 | 1150.9 |
| 142.5° | 666.7 | 689.2 | 711.9 | 717.5 | 769.8 | 839.6 | 874.5  | 925.7  | 1028.1 | 1104.8 | 1117.0 |
| 145°   | 693.8 | 713.5 | 733.2 | 738.1 | 781.7 | 839.6 | 868.7  | 910.5  | 994.3  | 1057.0 | 1066.2 |
| 147.5° | 721.0 | 740.1 | 759.3 | 764.1 | 799.0 | 845.5 | 868.7  | 901.6  | 967.5  | 1016.9 | 1024.5 |
| 150°   | 738.7 | 756.0 | 773.4 | 777.7 | 808.0 | 848.4 | 868.7  | 896.5  | 952.0  | 993.8  | 1000.0 |
| 152.5° | 757.0 | 770.1 | 783.3 | 786.5 | 813.9 | 850.4 | 868.7  | 892.4  | 939.9  | 975.5  | 980.2  |
| 155°   | 784.2 | 793.9 | 803.6 | 806.0 | 826.9 | 854.7 | 868.7  | 887.6  | 925.3  | 953.7  | 956.7  |
| 157.5° | 804.3 | 813.8 | 823.1 | 825.5 | 839.9 | 859.1 | 868.7  | 883.4  | 912.7  | 934.8  | 937.0  |
| 160°   | 817.9 | 825.2 | 832.6 | 834.4 | 845.8 | 861.0 | 868.7  | 881.3  | 906.4  | 925.3  | 926.5  |
| 162.5° | 831.4 | 837.0 | 842.5 | 843.8 | 852.1 | 863.1 | 868.7  | 879.3  | 900.5  | 916.4  | 917.6  |
| 165°   | 846.2 | 851.2 | 856.2 | 857.4 | 861.1 | 866.2 | 868.7  | 876.3  | 891.5  | 902.9  | 904.1  |
| 167.5° | 859.8 | 862.1 | 864.5 | 865.0 | 868.2 | 872.4 | 874.5  | 879.5  | 889.5  | 896.9  | 897.5  |
| 170°   | 868.7 | 871.0 | 873.3 | 873.9 | 874.1 | 874.4 | 874.5  | 879.5  | 889.5  | 896.9  | 896.9  |
| 172.5° | 873.3 | 873.8 | 874.4 | 874.5 | 874.5 | 874.5 | 874.5  | 878.4  | 886.3  | 892.3  | 891.8  |
| 175°   | 879.8 | 879.8 | 879.8 | 879.8 | 878.0 | 875.6 | 874.5  | 877.0  | 882.0  | 885.8  | 885.8  |
| 177.5° | 879.8 | 879.8 | 879.8 | 879.8 | 878.5 | 876.7 | 875.7  | 877.7  | 881.7  | 884.6  | 884.0  |
| 180°   | 879.8 | 879.8 | 879.8 | 879.8 | 879.8 | 879.8 | 879.8  | 879.8  | 879.8  | 879.8  | 879.8  |

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CATALOG NUMBER: SQ4-FA-050U-050D-B40-1D-UNV-W2A-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 |
| 2.5°   | 2082.9 | 2077.0 | 2082.9 | 2078.9 | 2080.8 | 2075.1 | 2057.8 | 2052.1 | 2057.8 | 2063.6 | 2063.6 |
| 5°     | 2107.8 | 2104.0 | 2107.8 | 2107.8 | 2105.9 | 2102.1 | 2082.9 | 2078.9 | 2082.9 | 2084.8 | 2080.8 |
| 7.5°   | 2115.5 | 2109.7 | 2115.5 | 2111.6 | 2111.6 | 2107.8 | 2088.6 | 2084.8 | 2086.7 | 2092.4 | 2086.7 |
| 10°    | 2115.5 | 2109.7 | 2115.5 | 2113.6 | 2111.6 | 2107.8 | 2088.6 | 2080.8 | 2080.8 | 2086.7 | 2080.8 |
| 12.5°  | 2105.9 | 2102.1 | 2105.9 | 2102.1 | 2102.1 | 2098.2 | 2078.9 | 2071.3 | 2073.2 | 2075.1 | 2067.5 |
| 15°    | 2090.5 | 2084.8 | 2090.5 | 2086.7 | 2088.6 | 2082.9 | 2061.7 | 2054.0 | 2054.0 | 2057.8 | 2044.4 |
| 17.5°  | 2067.5 | 2059.7 | 2067.5 | 2065.6 | 2063.6 | 2059.7 | 2040.5 | 2032.9 | 2030.9 | 2032.9 | 2023.3 |
| 20°    | 2040.5 | 2034.8 | 2040.5 | 2038.6 | 2038.6 | 2030.9 | 2011.7 | 2002.2 | 2002.2 | 2002.2 | 1992.5 |
| 22.5°  | 1998.2 | 1992.5 | 1998.2 | 2002.2 | 2002.2 | 2000.2 | 1982.9 | 1969.5 | 1965.6 | 1965.6 | 1954.1 |
| 25°    | 1950.2 | 1944.5 | 1950.2 | 1950.2 | 1948.3 | 1950.2 | 1944.5 | 1936.8 | 1931.0 | 1925.3 | 1913.7 |
| 27.5°  | 1904.1 | 1900.3 | 1904.1 | 1900.3 | 1904.1 | 1898.3 | 1896.4 | 1894.5 | 1886.8 | 1881.1 | 1865.7 |
| 30°    | 1858.0 | 1854.1 | 1858.0 | 1854.1 | 1850.3 | 1846.5 | 1836.8 | 1833.0 | 1840.8 | 1836.8 | 1811.9 |
| 32.5°  | 1800.4 | 1796.5 | 1800.4 | 1800.4 | 1796.5 | 1796.5 | 1781.2 | 1775.3 | 1777.4 | 1788.8 | 1765.8 |
| 35°    | 1740.8 | 1735.0 | 1740.8 | 1738.9 | 1740.8 | 1735.0 | 1725.4 | 1723.5 | 1715.8 | 1729.3 | 1712.0 |
| 37.5°  | 1671.6 | 1665.9 | 1671.6 | 1671.6 | 1671.6 | 1675.5 | 1667.8 | 1662.0 | 1650.5 | 1667.8 | 1654.3 |
| 40°    | 1600.6 | 1592.8 | 1600.6 | 1598.6 | 1600.6 | 1604.4 | 1600.6 | 1596.7 | 1585.2 | 1598.6 | 1587.1 |
| 42.5°  | 1519.9 | 1517.9 | 1519.9 | 1521.8 | 1521.8 | 1529.4 | 1535.3 | 1527.5 | 1523.7 | 1514.1 | 1521.8 |
| 45°    | 1433.4 | 1429.5 | 1433.4 | 1437.2 | 1439.2 | 1443.0 | 1460.3 | 1460.3 | 1454.6 | 1439.2 | 1450.6 |
| 47.5°  | 1341.1 | 1331.6 | 1341.1 | 1352.7 | 1352.7 | 1358.5 | 1375.8 | 1389.1 | 1379.6 | 1360.4 | 1366.1 |
| 50°    | 1243.1 | 1245.0 | 1243.1 | 1250.9 | 1250.9 | 1272.0 | 1285.4 | 1298.9 | 1308.4 | 1285.4 | 1258.5 |
| 52.5°  | 1147.1 | 1145.1 | 1147.1 | 1152.9 | 1160.5 | 1170.2 | 1193.2 | 1206.6 | 1222.0 | 1208.6 | 1166.3 |
| 55°    | 1051.0 | 1054.9 | 1051.0 | 1053.0 | 1056.8 | 1062.5 | 1097.1 | 1110.6 | 1139.4 | 1122.1 | 1077.9 |
| 57.5°  | 954.9  | 949.2  | 954.9  | 958.8  | 960.7  | 966.5  | 995.3  | 1020.2 | 1037.6 | 1039.5 | 985.7  |
| 60°    | 843.5  | 835.8  | 843.5  | 860.8  | 864.7  | 868.5  | 895.4  | 918.4  | 933.8  | 939.5  | 883.9  |
| 62.5°  | 745.5  | 732.1  | 745.5  | 757.0  | 764.8  | 774.3  | 793.5  | 828.2  | 841.5  | 843.5  | 764.8  |
| 65°    | 641.8  | 636.0  | 641.8  | 664.8  | 666.7  | 678.2  | 699.4  | 724.4  | 753.2  | 749.4  | 636.0  |
| 67.5°  | 547.6  | 547.6  | 547.6  | 563.0  | 574.5  | 580.3  | 607.2  | 618.7  | 655.2  | 659.0  | 530.3  |
| 70°    | 461.2  | 459.3  | 461.2  | 472.6  | 480.4  | 493.8  | 518.8  | 532.2  | 561.1  | 570.7  | 430.4  |
| 72.5°  | 378.6  | 376.6  | 378.6  | 388.1  | 395.8  | 407.3  | 428.5  | 443.9  | 468.8  | 480.4  | 334.3  |
| 75°    | 305.5  | 301.7  | 305.5  | 313.1  | 311.2  | 326.6  | 343.9  | 359.3  | 382.4  | 390.0  | 247.8  |
| 77.5°  | 234.5  | 234.5  | 234.5  | 242.1  | 242.1  | 257.5  | 265.2  | 284.4  | 297.9  | 309.3  | 182.5  |
| 80°    | 174.9  | 173.0  | 174.9  | 176.8  | 176.8  | 184.4  | 197.9  | 211.3  | 222.9  | 222.9  | 124.9  |
| 82.5°  | 123.0  | 119.1  | 123.0  | 123.0  | 123.0  | 126.8  | 134.5  | 138.4  | 146.0  | 151.7  | 78.8   |
| 85°    | 76.9   | 76.9   | 76.9   | 78.8   | 76.9   | 80.7   | 82.6   | 86.4   | 86.4   | 82.6   | 48.0   |
| 87.5°  | 49.9   | 48.0   | 49.9   | 48.0   | 48.0   | 46.1   | 46.1   | 46.1   | 44.2   | 42.3   | 26.9   |
| 90°    | 22.4   | 22.4   | 22.4   | 22.4   | 22.4   | 29.9   | 39.9   | 44.9   | 38.6   | 26.0   | 16.5   |
| 92.5°  | 89.9   | 72.0   | 89.9   | 107.7  | 112.2  | 159.0  | 221.5  | 252.7  | 221.8  | 160.2  | 113.9  |
| 95°    | 313.2  | 259.2  | 313.2  | 367.3  | 380.9  | 500.1  | 659.1  | 738.7  | 623.9  | 394.2  | 222.0  |
| 97.5°  | 750.6  | 647.8  | 750.6  | 853.6  | 879.3  | 954.6  | 1055.2 | 1105.4 | 913.9  | 531.1  | 243.9  |
| 100°   | 1081.5 | 959.0  | 1081.5 | 1204.1 | 1234.7 | 1229.2 | 1221.8 | 1218.2 | 1005.7 | 580.8  | 262.1  |
| 102.5° | 1407.0 | 1302.0 | 1407.0 | 1512.0 | 1538.2 | 1442.1 | 1314.1 | 1250.1 | 1034.6 | 603.7  | 280.5  |
| 105°   | 1822.0 | 1765.6 | 1822.0 | 1878.4 | 1892.5 | 1677.2 | 1390.1 | 1246.6 | 1037.9 | 620.6  | 307.6  |
| 107.5° | 2093.8 | 2107.5 | 2093.8 | 2080.3 | 2076.8 | 1776.5 | 1376.0 | 1175.7 | 991.8  | 623.8  | 347.8  |
| 110°   | 2197.5 | 2256.3 | 2197.5 | 2138.7 | 2124.0 | 1788.2 | 1340.5 | 1116.7 | 950.8  | 619.0  | 370.3  |



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**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°  | 150°  | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|
| 112.5° | 2206.8 | 2297.1 | 2206.8 | 2116.5 | 2093.9 | 1750.2 | 1292.0 | 1062.9 | 915.0 | 619.2 | 397.4  |
| 115°   | 2148.3 | 2273.5 | 2148.3 | 2023.1 | 1991.7 | 1660.6 | 1219.2 | 998.5  | 874.0 | 625.0 | 438.2  |
| 117.5° | 2024.1 | 2163.0 | 2024.1 | 1885.3 | 1850.6 | 1551.8 | 1153.4 | 954.2  | 848.3 | 636.5 | 477.7  |
| 120°   | 1924.2 | 2059.1 | 1924.2 | 1789.3 | 1755.6 | 1482.5 | 1118.6 | 936.6  | 839.7 | 646.0 | 500.7  |
| 122.5° | 1826.8 | 1959.9 | 1826.8 | 1693.7 | 1660.5 | 1414.6 | 1086.8 | 922.9  | 835.1 | 659.6 | 527.9  |
| 125°   | 1687.9 | 1810.5 | 1687.9 | 1565.3 | 1534.7 | 1325.8 | 1047.4 | 908.2  | 831.4 | 678.0 | 562.8  |
| 127.5° | 1563.0 | 1666.4 | 1563.0 | 1459.6 | 1433.7 | 1254.4 | 1015.4 | 895.8  | 829.2 | 696.2 | 596.4  |
| 130°   | 1489.4 | 1584.9 | 1489.4 | 1393.8 | 1369.9 | 1210.4 | 997.5  | 891.1  | 830.6 | 709.6 | 618.8  |
| 132.5° | 1422.6 | 1508.1 | 1422.6 | 1337.0 | 1315.6 | 1172.7 | 982.2  | 886.9  | 831.4 | 720.5 | 637.2  |
| 135°   | 1331.1 | 1404.8 | 1331.1 | 1257.4 | 1238.9 | 1119.3 | 959.7  | 879.8  | 830.7 | 732.2 | 658.4  |
| 137.5° | 1257.6 | 1318.0 | 1257.6 | 1197.3 | 1182.2 | 1081.1 | 946.1  | 878.7  | 835.8 | 750.0 | 685.6  |
| 140°   | 1207.2 | 1263.7 | 1207.2 | 1150.9 | 1136.7 | 1049.4 | 932.7  | 874.5  | 836.6 | 760.8 | 703.8  |
| 142.5° | 1165.6 | 1214.1 | 1165.6 | 1117.0 | 1104.8 | 1028.1 | 925.7  | 874.5  | 839.6 | 769.8 | 717.5  |
| 145°   | 1102.9 | 1139.7 | 1102.9 | 1066.2 | 1057.0 | 994.3  | 910.5  | 868.7  | 839.6 | 781.7 | 738.1  |
| 147.5° | 1054.9 | 1085.4 | 1054.9 | 1024.5 | 1016.9 | 967.5  | 901.6  | 868.7  | 845.5 | 799.0 | 764.1  |
| 150°   | 1024.6 | 1049.4 | 1024.6 | 1000.0 | 993.8  | 952.0  | 896.5  | 868.7  | 848.4 | 808.0 | 777.7  |
| 152.5° | 998.8  | 1017.5 | 998.8  | 980.2  | 975.5  | 939.9  | 892.4  | 868.7  | 850.4 | 813.9 | 786.5  |
| 155°   | 969.1  | 981.5  | 969.1  | 956.7  | 953.7  | 925.3  | 887.6  | 868.7  | 854.7 | 826.9 | 806.0  |
| 157.5° | 945.5  | 954.2  | 945.5  | 937.0  | 934.8  | 912.7  | 883.4  | 868.7  | 859.1 | 839.9 | 825.5  |
| 160°   | 931.6  | 936.6  | 931.6  | 926.5  | 925.3  | 906.4  | 881.3  | 868.7  | 861.0 | 845.8 | 834.4  |
| 162.5° | 922.3  | 927.1  | 922.3  | 917.6  | 916.4  | 900.5  | 879.3  | 868.7  | 863.1 | 852.1 | 843.8  |
| 165°   | 909.2  | 914.1  | 909.2  | 904.1  | 902.9  | 891.5  | 876.3  | 868.7  | 866.2 | 861.1 | 857.4  |
| 167.5° | 899.6  | 901.7  | 899.6  | 897.5  | 896.9  | 889.5  | 879.5  | 874.5  | 872.4 | 868.2 | 865.0  |
| 170°   | 896.9  | 896.9  | 896.9  | 896.9  | 896.9  | 889.5  | 879.5  | 874.5  | 874.4 | 874.1 | 873.9  |
| 172.5° | 890.0  | 888.2  | 890.0  | 891.8  | 892.3  | 886.3  | 878.4  | 874.5  | 874.5 | 874.5 | 874.5  |
| 175°   | 885.8  | 885.8  | 885.8  | 885.8  | 885.8  | 882.0  | 877.0  | 874.5  | 875.6 | 878.0 | 879.8  |
| 177.5° | 881.9  | 879.8  | 881.9  | 884.0  | 884.6  | 881.7  | 877.7  | 875.7  | 876.7 | 878.5 | 879.8  |
| 180°   | 879.8  | 879.8  | 879.8  | 879.8  | 879.8  | 879.8  | 879.8  | 879.8  | 879.8 | 879.8 | 879.8  |

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CATALOG NUMBER: SQ4-FA-050U-050D-B40-1D-UNV-W2A-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 |
| 2.5°   | 2059.7 | 2048.2 | 2048.2 | 2029.0 | 2021.4 | 2015.5 | 2006.0 | 1977.1 | 1969.5 | 1961.8 | 1973.3 |
| 5°     | 2077.0 | 2055.9 | 2040.5 | 2006.0 | 1977.1 | 1965.6 | 1929.1 | 1860.0 | 1813.8 | 1779.3 | 1760.1 |
| 7.5°   | 2080.8 | 2054.0 | 2025.2 | 1971.4 | 1902.2 | 1871.4 | 1760.1 | 1633.2 | 1598.6 | 1567.9 | 1548.6 |
| 10°    | 2077.0 | 2046.3 | 2006.0 | 1925.3 | 1762.0 | 1708.1 | 1596.7 | 1514.1 | 1493.0 | 1487.2 | 1493.0 |
| 12.5°  | 2063.6 | 2034.8 | 1979.0 | 1844.6 | 1616.0 | 1579.4 | 1514.1 | 1466.0 | 1462.2 | 1471.8 | 1523.7 |
| 15°    | 2040.5 | 2013.6 | 1948.3 | 1737.0 | 1535.3 | 1508.3 | 1462.2 | 1444.9 | 1466.0 | 1533.3 | 1688.9 |
| 17.5°  | 2017.5 | 1986.8 | 1906.1 | 1631.3 | 1473.8 | 1454.6 | 1421.8 | 1456.5 | 1575.6 | 1665.9 | 1717.8 |
| 20°    | 1986.8 | 1950.2 | 1858.0 | 1554.5 | 1429.5 | 1412.3 | 1396.9 | 1552.5 | 1642.8 | 1675.5 | 1704.3 |
| 22.5°  | 1950.2 | 1911.8 | 1792.7 | 1500.6 | 1383.4 | 1369.9 | 1379.6 | 1606.3 | 1642.8 | 1665.9 | 1690.8 |
| 25°    | 1902.2 | 1869.5 | 1715.8 | 1458.4 | 1346.9 | 1331.6 | 1368.0 | 1600.6 | 1621.7 | 1627.4 | 1677.4 |
| 27.5°  | 1858.0 | 1815.7 | 1635.2 | 1419.9 | 1302.7 | 1297.0 | 1377.7 | 1575.6 | 1590.9 | 1596.7 | 1650.5 |
| 30°    | 1804.2 | 1740.8 | 1544.8 | 1379.6 | 1256.6 | 1254.7 | 1379.6 | 1544.8 | 1541.0 | 1556.4 | 1610.1 |
| 32.5°  | 1748.5 | 1629.3 | 1443.0 | 1329.6 | 1212.4 | 1210.5 | 1366.1 | 1498.7 | 1494.9 | 1516.0 | 1556.4 |
| 35°    | 1696.7 | 1542.9 | 1304.6 | 1272.0 | 1156.7 | 1158.6 | 1333.5 | 1444.9 | 1446.8 | 1466.0 | 1491.0 |
| 37.5°  | 1642.8 | 1467.9 | 1152.9 | 1208.6 | 1102.9 | 1102.9 | 1289.2 | 1395.0 | 1391.1 | 1396.9 | 1431.4 |
| 40°    | 1579.4 | 1350.8 | 1018.3 | 1125.9 | 1053.0 | 1047.2 | 1235.5 | 1341.1 | 1327.7 | 1325.8 | 1373.8 |
| 42.5°  | 1512.1 | 1222.0 | 918.4  | 1016.4 | 995.3  | 987.6  | 1170.2 | 1275.8 | 1250.9 | 1256.6 | 1318.1 |
| 45°    | 1439.2 | 1187.4 | 841.5  | 858.8  | 935.7  | 930.0  | 1099.0 | 1200.9 | 1183.6 | 1199.0 | 1262.4 |
| 47.5°  | 1366.1 | 1118.3 | 816.6  | 712.8  | 872.3  | 870.4  | 1020.2 | 1127.9 | 1118.3 | 1133.7 | 1200.9 |
| 50°    | 1266.2 | 1041.4 | 814.7  | 611.0  | 801.2  | 808.9  | 926.2  | 1056.8 | 1056.8 | 1070.3 | 1141.3 |
| 52.5°  | 1137.5 | 947.3  | 739.7  | 553.3  | 718.6  | 741.7  | 843.5  | 995.3  | 999.1  | 1012.6 | 1076.0 |
| 55°    | 1020.2 | 849.3  | 686.0  | 509.2  | 620.7  | 670.6  | 762.8  | 931.9  | 939.5  | 953.0  | 1010.7 |
| 57.5°  | 912.7  | 707.1  | 674.4  | 457.3  | 530.3  | 578.3  | 691.7  | 870.4  | 874.2  | 885.8  | 941.5  |
| 60°    | 797.4  | 511.1  | 618.7  | 401.6  | 451.5  | 488.0  | 626.4  | 797.4  | 810.8  | 818.5  | 866.6  |
| 62.5°  | 666.7  | 370.8  | 561.1  | 363.2  | 413.1  | 420.8  | 572.6  | 728.2  | 745.5  | 751.3  | 780.1  |
| 65°    | 474.6  | 311.2  | 476.5  | 330.5  | 372.7  | 374.6  | 514.9  | 657.1  | 672.5  | 682.1  | 703.3  |
| 67.5°  | 320.9  | 253.6  | 363.2  | 299.8  | 342.0  | 343.9  | 459.3  | 574.5  | 595.6  | 603.4  | 616.7  |
| 70°    | 222.9  | 169.1  | 269.0  | 267.1  | 307.4  | 311.2  | 399.7  | 499.6  | 518.8  | 524.6  | 532.2  |
| 72.5°  | 163.3  | 136.4  | 222.9  | 240.2  | 270.9  | 274.8  | 338.2  | 415.0  | 434.2  | 440.0  | 443.9  |
| 75°    | 124.9  | 144.1  | 180.6  | 209.4  | 230.5  | 232.4  | 276.7  | 338.2  | 351.6  | 355.5  | 357.4  |
| 77.5°  | 99.9   | 134.5  | 132.6  | 169.1  | 188.3  | 184.4  | 217.2  | 261.3  | 272.8  | 272.8  | 272.8  |
| 80°    | 75.0   | 105.7  | 99.9   | 121.1  | 138.4  | 134.5  | 155.7  | 186.4  | 190.2  | 194.1  | 192.1  |
| 82.5°  | 55.7   | 67.2   | 67.2   | 76.9   | 92.3   | 88.4   | 103.7  | 121.1  | 121.1  | 121.1  | 124.9  |
| 85°    | 34.6   | 38.4   | 30.8   | 40.4   | 51.9   | 49.9   | 57.7   | 65.3   | 67.2   | 67.2   | 63.4   |
| 87.5°  | 21.1   | 17.3   | 9.6    | 15.4   | 23.0   | 23.0   | 26.9   | 28.8   | 26.9   | 26.9   | 26.9   |
| 90°    | 15.4   | 10.6   | 5.9    | 10.6   | 15.4   | 16.5   | 26.0   | 38.6   | 44.9   | 39.9   | 29.9   |
| 92.5°  | 103.9  | 63.7   | 23.6   | 63.7   | 103.9  | 113.9  | 160.2  | 221.8  | 252.7  | 221.5  | 159.0  |
| 95°    | 203.7  | 130.2  | 56.7   | 130.2  | 203.7  | 222.0  | 394.2  | 623.9  | 738.7  | 659.1  | 500.1  |
| 97.5°  | 227.7  | 162.8  | 98.0   | 162.8  | 227.7  | 243.9  | 531.1  | 913.9  | 1105.4 | 1055.2 | 954.6  |
| 100°   | 247.4  | 188.7  | 129.9  | 188.7  | 247.4  | 262.1  | 580.8  | 1005.7 | 1218.2 | 1221.8 | 1229.2 |
| 102.5° | 266.7  | 211.9  | 157.1  | 211.9  | 266.7  | 280.5  | 603.7  | 1034.6 | 1250.1 | 1314.1 | 1442.1 |
| 105°   | 296.0  | 249.5  | 203.1  | 249.5  | 296.0  | 307.6  | 620.6  | 1037.9 | 1246.6 | 1390.1 | 1677.2 |
| 107.5° | 337.0  | 293.7  | 250.4  | 293.7  | 337.0  | 347.8  | 623.8  | 991.8  | 1175.7 | 1376.0 | 1776.5 |
| 110°   | 360.5  | 321.4  | 282.3  | 321.4  | 360.5  | 370.3  | 619.0  | 950.8  | 1116.7 | 1340.5 | 1788.2 |

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**CANDELA DISTRIBUTION (continued):**

|        | 160°  | 170°  | 180°  | 190°  | 200°  | 202.5° | 210°  | 220°  | 225°   | 230°   | 240°   |
|--------|-------|-------|-------|-------|-------|--------|-------|-------|--------|--------|--------|
| 112.5° | 388.0 | 350.8 | 313.5 | 350.8 | 388.0 | 397.4  | 619.2 | 915.0 | 1062.9 | 1292.0 | 1750.2 |
| 115°   | 429.6 | 395.2 | 360.8 | 395.2 | 429.6 | 438.2  | 625.0 | 874.0 | 998.5  | 1219.2 | 1660.6 |
| 117.5° | 469.9 | 438.6 | 407.4 | 438.6 | 469.9 | 477.7  | 636.5 | 848.3 | 954.2  | 1153.4 | 1551.8 |
| 120°   | 493.4 | 464.0 | 434.6 | 464.0 | 493.4 | 500.7  | 646.0 | 839.7 | 936.6  | 1118.6 | 1482.5 |
| 122.5° | 520.5 | 490.9 | 461.2 | 490.9 | 520.5 | 527.9  | 659.6 | 835.1 | 922.9  | 1086.8 | 1414.6 |
| 125°   | 556.0 | 529.0 | 501.9 | 529.0 | 556.0 | 562.8  | 678.0 | 831.4 | 908.2  | 1047.4 | 1325.8 |
| 127.5° | 589.6 | 562.3 | 535.0 | 562.3 | 589.6 | 596.4  | 696.2 | 829.2 | 895.8  | 1015.4 | 1254.4 |
| 130°   | 611.5 | 582.2 | 552.8 | 582.2 | 611.5 | 618.8  | 709.6 | 830.6 | 891.1  | 997.5  | 1210.4 |
| 132.5° | 629.8 | 600.4 | 571.0 | 600.4 | 629.8 | 637.2  | 720.5 | 831.4 | 886.9  | 982.2  | 1172.7 |
| 135°   | 651.7 | 625.0 | 598.2 | 625.0 | 651.7 | 658.4  | 732.2 | 830.7 | 879.8  | 959.7  | 1119.3 |
| 137.5° | 679.0 | 652.5 | 625.9 | 652.5 | 679.0 | 685.6  | 750.0 | 835.8 | 878.7  | 946.1  | 1081.1 |
| 140°   | 697.7 | 673.4 | 648.9 | 673.4 | 697.7 | 703.8  | 760.8 | 836.6 | 874.5  | 932.7  | 1049.4 |
| 142.5° | 711.9 | 689.2 | 666.7 | 689.2 | 711.9 | 717.5  | 769.8 | 839.6 | 874.5  | 925.7  | 1028.1 |
| 145°   | 733.2 | 713.5 | 693.8 | 713.5 | 733.2 | 738.1  | 781.7 | 839.6 | 868.7  | 910.5  | 994.3  |
| 147.5° | 759.3 | 740.1 | 721.0 | 740.1 | 759.3 | 764.1  | 799.0 | 845.5 | 868.7  | 901.6  | 967.5  |
| 150°   | 773.4 | 756.0 | 738.7 | 756.0 | 773.4 | 777.7  | 808.0 | 848.4 | 868.7  | 896.5  | 952.0  |
| 152.5° | 783.3 | 770.1 | 757.0 | 770.1 | 783.3 | 786.5  | 813.9 | 850.4 | 868.7  | 892.4  | 939.9  |
| 155°   | 803.6 | 793.9 | 784.2 | 793.9 | 803.6 | 806.0  | 826.9 | 854.7 | 868.7  | 887.6  | 925.3  |
| 157.5° | 823.1 | 813.8 | 804.3 | 813.8 | 823.1 | 825.5  | 839.9 | 859.1 | 868.7  | 883.4  | 912.7  |
| 160°   | 832.6 | 825.2 | 817.9 | 825.2 | 832.6 | 834.4  | 845.8 | 861.0 | 868.7  | 881.3  | 906.4  |
| 162.5° | 842.5 | 837.0 | 831.4 | 837.0 | 842.5 | 843.8  | 852.1 | 863.1 | 868.7  | 879.3  | 900.5  |
| 165°   | 856.2 | 851.2 | 846.2 | 851.2 | 856.2 | 857.4  | 861.1 | 866.2 | 868.7  | 876.3  | 891.5  |
| 167.5° | 864.5 | 862.1 | 859.8 | 862.1 | 864.5 | 865.0  | 868.2 | 872.4 | 874.5  | 879.5  | 889.5  |
| 170°   | 873.3 | 871.0 | 868.7 | 871.0 | 873.3 | 873.9  | 874.1 | 874.4 | 874.5  | 879.5  | 889.5  |
| 172.5° | 874.4 | 873.8 | 873.3 | 873.8 | 874.4 | 874.5  | 874.5 | 874.5 | 874.5  | 878.4  | 886.3  |
| 175°   | 879.8 | 879.8 | 879.8 | 879.8 | 879.8 | 879.8  | 878.0 | 875.6 | 874.5  | 877.0  | 882.0  |
| 177.5° | 879.8 | 879.8 | 879.8 | 879.8 | 879.8 | 879.8  | 878.5 | 876.7 | 875.7  | 877.7  | 881.7  |
| 180°   | 879.8 | 879.8 | 879.8 | 879.8 | 879.8 | 879.8  | 879.8 | 879.8 | 879.8  | 879.8  | 879.8  |

TEST NUMBER: P934301

CATALOG NUMBER: SQ4-FA-050U-050D-B40-1D-UNV-W2A-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 |
| 2.5°   | 1959.9 | 1954.1 | 1961.8 | 1940.7 | 1961.8 | 1954.1 | 1959.9 | 1973.3 | 1961.8 | 1969.5 | 1977.1 |
| 5°     | 1719.7 | 1710.0 | 1679.4 | 1654.3 | 1679.4 | 1710.0 | 1719.7 | 1760.1 | 1779.3 | 1813.8 | 1860.0 |
| 7.5°   | 1537.2 | 1529.4 | 1521.8 | 1506.4 | 1521.8 | 1529.4 | 1537.2 | 1548.6 | 1567.9 | 1598.6 | 1633.2 |
| 10°    | 1496.8 | 1498.7 | 1510.2 | 1508.3 | 1510.2 | 1498.7 | 1496.8 | 1493.0 | 1487.2 | 1493.0 | 1514.1 |
| 12.5°  | 1600.6 | 1617.9 | 1681.3 | 1677.4 | 1681.3 | 1617.9 | 1600.6 | 1523.7 | 1471.8 | 1462.2 | 1466.0 |
| 15°    | 1719.7 | 1725.4 | 1738.9 | 1740.8 | 1738.9 | 1725.4 | 1719.7 | 1688.9 | 1533.3 | 1466.0 | 1444.9 |
| 17.5°  | 1731.2 | 1733.1 | 1742.7 | 1742.7 | 1742.7 | 1733.1 | 1731.2 | 1717.8 | 1665.9 | 1575.6 | 1456.5 |
| 20°    | 1721.6 | 1725.4 | 1744.7 | 1748.5 | 1744.7 | 1725.4 | 1721.6 | 1704.3 | 1675.5 | 1642.8 | 1552.5 |
| 22.5°  | 1717.8 | 1725.4 | 1740.8 | 1738.9 | 1740.8 | 1725.4 | 1717.8 | 1690.8 | 1665.9 | 1642.8 | 1606.3 |
| 25°    | 1698.6 | 1698.6 | 1700.5 | 1702.4 | 1700.5 | 1698.6 | 1698.6 | 1677.4 | 1627.4 | 1621.7 | 1600.6 |
| 27.5°  | 1658.2 | 1662.0 | 1673.5 | 1671.6 | 1673.5 | 1662.0 | 1658.2 | 1650.5 | 1596.7 | 1590.9 | 1575.6 |
| 30°    | 1621.7 | 1617.9 | 1608.2 | 1600.6 | 1608.2 | 1617.9 | 1621.7 | 1610.1 | 1556.4 | 1541.0 | 1544.8 |
| 32.5°  | 1560.2 | 1550.5 | 1541.0 | 1535.3 | 1541.0 | 1550.5 | 1560.2 | 1556.4 | 1516.0 | 1494.9 | 1498.7 |
| 35°    | 1487.2 | 1489.1 | 1487.2 | 1481.4 | 1487.2 | 1489.1 | 1487.2 | 1491.0 | 1466.0 | 1446.8 | 1444.9 |
| 37.5°  | 1435.3 | 1439.2 | 1437.2 | 1429.5 | 1437.2 | 1439.2 | 1435.3 | 1431.4 | 1396.9 | 1391.1 | 1395.0 |
| 40°    | 1381.5 | 1383.4 | 1381.5 | 1375.8 | 1381.5 | 1383.4 | 1381.5 | 1373.8 | 1325.8 | 1327.7 | 1341.1 |
| 42.5°  | 1329.6 | 1327.7 | 1321.9 | 1318.1 | 1321.9 | 1327.7 | 1329.6 | 1318.1 | 1256.6 | 1250.9 | 1275.8 |
| 45°    | 1270.1 | 1272.0 | 1260.4 | 1254.7 | 1260.4 | 1272.0 | 1270.1 | 1262.4 | 1199.0 | 1183.6 | 1200.9 |
| 47.5°  | 1210.5 | 1210.5 | 1200.9 | 1195.1 | 1200.9 | 1210.5 | 1210.5 | 1200.9 | 1133.7 | 1118.3 | 1127.9 |
| 50°    | 1147.1 | 1145.1 | 1131.7 | 1129.8 | 1131.7 | 1145.1 | 1147.1 | 1141.3 | 1070.3 | 1056.8 | 1056.8 |
| 52.5°  | 1074.1 | 1074.1 | 1076.0 | 1079.8 | 1076.0 | 1074.1 | 1074.1 | 1076.0 | 1012.6 | 999.1  | 995.3  |
| 55°    | 1010.7 | 1012.6 | 1026.1 | 1029.9 | 1026.1 | 1012.6 | 1010.7 | 1010.7 | 953.0  | 939.5  | 931.9  |
| 57.5°  | 945.4  | 945.4  | 954.9  | 954.9  | 954.9  | 945.4  | 945.4  | 941.5  | 885.8  | 874.2  | 870.4  |
| 60°    | 870.4  | 874.2  | 881.9  | 880.0  | 881.9  | 874.2  | 870.4  | 866.6  | 818.5  | 810.8  | 797.4  |
| 62.5°  | 791.6  | 795.5  | 797.4  | 793.5  | 797.4  | 795.5  | 791.6  | 780.1  | 751.3  | 745.5  | 728.2  |
| 65°    | 709.0  | 712.8  | 714.7  | 710.9  | 714.7  | 712.8  | 709.0  | 703.3  | 682.1  | 672.5  | 657.1  |
| 67.5°  | 624.5  | 622.6  | 620.7  | 628.3  | 620.7  | 622.6  | 624.5  | 616.7  | 603.4  | 595.6  | 574.5  |
| 70°    | 538.0  | 538.0  | 536.0  | 540.0  | 536.0  | 538.0  | 538.0  | 532.2  | 524.6  | 518.8  | 499.6  |
| 72.5°  | 445.8  | 443.9  | 451.5  | 445.8  | 451.5  | 443.9  | 445.8  | 443.9  | 440.0  | 434.2  | 415.0  |
| 75°    | 355.5  | 359.3  | 355.5  | 361.2  | 355.5  | 359.3  | 355.5  | 357.4  | 355.5  | 351.6  | 338.2  |
| 77.5°  | 270.9  | 274.8  | 270.9  | 270.9  | 270.9  | 274.8  | 270.9  | 272.8  | 272.8  | 272.8  | 261.3  |
| 80°    | 192.1  | 190.2  | 190.2  | 188.3  | 190.2  | 190.2  | 192.1  | 192.1  | 194.1  | 190.2  | 186.4  |
| 82.5°  | 123.0  | 121.1  | 121.1  | 124.9  | 121.1  | 121.1  | 123.0  | 124.9  | 121.1  | 121.1  | 121.1  |
| 85°    | 67.2   | 69.1   | 65.3   | 65.3   | 65.3   | 69.1   | 67.2   | 63.4   | 67.2   | 67.2   | 65.3   |
| 87.5°  | 25.0   | 23.0   | 23.0   | 23.0   | 23.0   | 23.0   | 25.0   | 26.9   | 26.9   | 26.9   | 28.8   |
| 90°    | 22.4   | 22.4   | 22.4   | 22.4   | 22.4   | 22.4   | 22.4   | 29.9   | 39.9   | 44.9   | 38.6   |
| 92.5°  | 112.2  | 107.7  | 89.9   | 72.0   | 89.9   | 107.7  | 112.2  | 159.0  | 221.5  | 252.7  | 221.8  |
| 95°    | 380.9  | 367.3  | 313.2  | 259.2  | 313.2  | 367.3  | 380.9  | 500.1  | 659.1  | 738.7  | 623.9  |
| 97.5°  | 879.3  | 853.6  | 750.6  | 647.8  | 750.6  | 853.6  | 879.3  | 954.6  | 1055.2 | 1105.4 | 913.9  |
| 100°   | 1234.7 | 1204.1 | 1081.5 | 959.0  | 1081.5 | 1204.1 | 1234.7 | 1229.2 | 1221.8 | 1218.2 | 1005.7 |
| 102.5° | 1538.2 | 1512.0 | 1407.0 | 1302.0 | 1407.0 | 1512.0 | 1538.2 | 1442.1 | 1314.1 | 1250.1 | 1034.6 |
| 105°   | 1892.5 | 1878.4 | 1822.0 | 1765.6 | 1822.0 | 1878.4 | 1892.5 | 1677.2 | 1390.1 | 1246.6 | 1037.9 |
| 107.5° | 2076.8 | 2080.3 | 2093.8 | 2107.5 | 2093.8 | 2080.3 | 2076.8 | 1776.5 | 1376.0 | 1175.7 | 991.8  |
| 110°   | 2124.0 | 2138.7 | 2197.5 | 2256.3 | 2197.5 | 2138.7 | 2124.0 | 1788.2 | 1340.5 | 1116.7 | 950.8  |

TEST NUMBER: P934301

CATALOG NUMBER: SQ4-FA-050U-050D-B40-1D-UNV-W2A-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°  |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 112.5° | 2093.9 | 2116.5 | 2206.8 | 2297.1 | 2206.8 | 2116.5 | 2093.9 | 1750.2 | 1292.0 | 1062.9 | 915.0 |
| 115°   | 1991.7 | 2023.1 | 2148.3 | 2273.5 | 2148.3 | 2023.1 | 1991.7 | 1660.6 | 1219.2 | 998.5  | 874.0 |
| 117.5° | 1850.6 | 1885.3 | 2024.1 | 2163.0 | 2024.1 | 1885.3 | 1850.6 | 1551.8 | 1153.4 | 954.2  | 848.3 |
| 120°   | 1755.6 | 1789.3 | 1924.2 | 2059.1 | 1924.2 | 1789.3 | 1755.6 | 1482.5 | 1118.6 | 936.6  | 839.7 |
| 122.5° | 1660.5 | 1693.7 | 1826.8 | 1959.9 | 1826.8 | 1693.7 | 1660.5 | 1414.6 | 1086.8 | 922.9  | 835.1 |
| 125°   | 1534.7 | 1565.3 | 1687.9 | 1810.5 | 1687.9 | 1565.3 | 1534.7 | 1325.8 | 1047.4 | 908.2  | 831.4 |
| 127.5° | 1433.7 | 1459.6 | 1563.0 | 1666.4 | 1563.0 | 1459.6 | 1433.7 | 1254.4 | 1015.4 | 895.8  | 829.2 |
| 130°   | 1369.9 | 1393.8 | 1489.4 | 1584.9 | 1489.4 | 1393.8 | 1369.9 | 1210.4 | 997.5  | 891.1  | 830.6 |
| 132.5° | 1315.6 | 1337.0 | 1422.6 | 1508.1 | 1422.6 | 1337.0 | 1315.6 | 1172.7 | 982.2  | 886.9  | 831.4 |
| 135°   | 1238.9 | 1257.4 | 1331.1 | 1404.8 | 1331.1 | 1257.4 | 1238.9 | 1119.3 | 959.7  | 879.8  | 830.7 |
| 137.5° | 1182.2 | 1197.3 | 1257.6 | 1318.0 | 1257.6 | 1197.3 | 1182.2 | 1081.1 | 946.1  | 878.7  | 835.8 |
| 140°   | 1136.7 | 1150.9 | 1207.2 | 1263.7 | 1207.2 | 1150.9 | 1136.7 | 1049.4 | 932.7  | 874.5  | 836.6 |
| 142.5° | 1104.8 | 1117.0 | 1165.6 | 1214.1 | 1165.6 | 1117.0 | 1104.8 | 1028.1 | 925.7  | 874.5  | 839.6 |
| 145°   | 1057.0 | 1066.2 | 1102.9 | 1139.7 | 1102.9 | 1066.2 | 1057.0 | 994.3  | 910.5  | 868.7  | 839.6 |
| 147.5° | 1016.9 | 1024.5 | 1054.9 | 1085.4 | 1054.9 | 1024.5 | 1016.9 | 967.5  | 901.6  | 868.7  | 845.5 |
| 150°   | 993.8  | 1000.0 | 1024.6 | 1049.4 | 1024.6 | 1000.0 | 993.8  | 952.0  | 896.5  | 868.7  | 848.4 |
| 152.5° | 975.5  | 980.2  | 998.8  | 1017.5 | 998.8  | 980.2  | 975.5  | 939.9  | 892.4  | 868.7  | 850.4 |
| 155°   | 953.7  | 956.7  | 969.1  | 981.5  | 969.1  | 956.7  | 953.7  | 925.3  | 887.6  | 868.7  | 854.7 |
| 157.5° | 934.8  | 937.0  | 945.5  | 954.2  | 945.5  | 937.0  | 934.8  | 912.7  | 883.4  | 868.7  | 859.1 |
| 160°   | 925.3  | 926.5  | 931.6  | 936.6  | 931.6  | 926.5  | 925.3  | 906.4  | 881.3  | 868.7  | 861.0 |
| 162.5° | 916.4  | 917.6  | 922.3  | 927.1  | 922.3  | 917.6  | 916.4  | 900.5  | 879.3  | 868.7  | 863.1 |
| 165°   | 902.9  | 904.1  | 909.2  | 914.1  | 909.2  | 904.1  | 902.9  | 891.5  | 876.3  | 868.7  | 866.2 |
| 167.5° | 896.9  | 897.5  | 899.6  | 901.7  | 899.6  | 897.5  | 896.9  | 889.5  | 879.5  | 874.5  | 872.4 |
| 170°   | 896.9  | 896.9  | 896.9  | 896.9  | 896.9  | 896.9  | 896.9  | 889.5  | 879.5  | 874.5  | 874.4 |
| 172.5° | 892.3  | 891.8  | 890.0  | 888.2  | 890.0  | 891.8  | 892.3  | 886.3  | 878.4  | 874.5  | 874.5 |
| 175°   | 885.8  | 885.8  | 885.8  | 885.8  | 885.8  | 885.8  | 885.8  | 882.0  | 877.0  | 874.5  | 875.6 |
| 177.5° | 884.6  | 884.0  | 881.9  | 879.8  | 881.9  | 884.0  | 884.6  | 881.7  | 877.7  | 875.7  | 876.7 |
| 180°   | 879.8  | 879.8  | 879.8  | 879.8  | 879.8  | 879.8  | 879.8  | 879.8  | 879.8  | 879.8  | 879.8 |

TEST NUMBER: P934301

CATALOG NUMBER: SQ4-FA-050U-050D-B40-1D-UNV-W2A-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 0°     | 2030.9 | 2030.9 | 2030.9 | 2030.9 | 2030.9 |
| 2.5°   | 2006.0 | 2015.5 | 2021.4 | 2029.0 | 2048.2 |
| 5°     | 1929.1 | 1965.6 | 1977.1 | 2006.0 | 2040.5 |
| 7.5°   | 1760.1 | 1871.4 | 1902.2 | 1971.4 | 2025.2 |
| 10°    | 1596.7 | 1708.1 | 1762.0 | 1925.3 | 2006.0 |
| 12.5°  | 1514.1 | 1579.4 | 1616.0 | 1844.6 | 1979.0 |
| 15°    | 1462.2 | 1508.3 | 1535.3 | 1737.0 | 1948.3 |
| 17.5°  | 1421.8 | 1454.6 | 1473.8 | 1631.3 | 1906.1 |
| 20°    | 1396.9 | 1412.3 | 1429.5 | 1554.5 | 1858.0 |
| 22.5°  | 1379.6 | 1369.9 | 1383.4 | 1500.6 | 1792.7 |
| 25°    | 1368.0 | 1331.6 | 1346.9 | 1458.4 | 1715.8 |
| 27.5°  | 1377.7 | 1297.0 | 1302.7 | 1419.9 | 1635.2 |
| 30°    | 1379.6 | 1254.7 | 1256.6 | 1379.6 | 1544.8 |
| 32.5°  | 1366.1 | 1210.5 | 1212.4 | 1329.6 | 1443.0 |
| 35°    | 1333.5 | 1158.6 | 1156.7 | 1272.0 | 1304.6 |
| 37.5°  | 1289.2 | 1102.9 | 1102.9 | 1208.6 | 1152.9 |
| 40°    | 1235.5 | 1047.2 | 1053.0 | 1125.9 | 1018.3 |
| 42.5°  | 1170.2 | 987.6  | 995.3  | 1016.4 | 918.4  |
| 45°    | 1099.0 | 930.0  | 935.7  | 858.8  | 841.5  |
| 47.5°  | 1020.2 | 870.4  | 872.3  | 712.8  | 816.6  |
| 50°    | 926.2  | 808.9  | 801.2  | 611.0  | 814.7  |
| 52.5°  | 843.5  | 741.7  | 718.6  | 553.3  | 739.7  |
| 55°    | 762.8  | 670.6  | 620.7  | 509.2  | 686.0  |
| 57.5°  | 691.7  | 578.3  | 530.3  | 457.3  | 674.4  |
| 60°    | 626.4  | 488.0  | 451.5  | 401.6  | 618.7  |
| 62.5°  | 572.6  | 420.8  | 413.1  | 363.2  | 561.1  |
| 65°    | 514.9  | 374.6  | 372.7  | 330.5  | 476.5  |
| 67.5°  | 459.3  | 343.9  | 342.0  | 299.8  | 363.2  |
| 70°    | 399.7  | 311.2  | 307.4  | 267.1  | 269.0  |
| 72.5°  | 338.2  | 274.8  | 270.9  | 240.2  | 222.9  |
| 75°    | 276.7  | 232.4  | 230.5  | 209.4  | 180.6  |
| 77.5°  | 217.2  | 184.4  | 188.3  | 169.1  | 132.6  |
| 80°    | 155.7  | 134.5  | 138.4  | 121.1  | 99.9   |
| 82.5°  | 103.7  | 88.4   | 92.3   | 76.9   | 67.2   |
| 85°    | 57.7   | 49.9   | 51.9   | 40.4   | 30.8   |
| 87.5°  | 26.9   | 23.0   | 23.0   | 15.4   | 9.6    |
| 90°    | 26.0   | 16.5   | 15.4   | 10.6   | 5.9    |
| 92.5°  | 160.2  | 113.9  | 103.9  | 63.7   | 23.6   |
| 95°    | 394.2  | 222.0  | 203.7  | 130.2  | 56.7   |
| 97.5°  | 531.1  | 243.9  | 227.7  | 162.8  | 98.0   |
| 100°   | 580.8  | 262.1  | 247.4  | 188.7  | 129.9  |
| 102.5° | 603.7  | 280.5  | 266.7  | 211.9  | 157.1  |
| 105°   | 620.6  | 307.6  | 296.0  | 249.5  | 203.1  |
| 107.5° | 623.8  | 347.8  | 337.0  | 293.7  | 250.4  |
| 110°   | 619.0  | 370.3  | 360.5  | 321.4  | 282.3  |

TEST NUMBER: P934301

CATALOG NUMBER: SQ4-FA-050U-050D-B40-1D-UNV-W2A-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 337.5° | 340°  | 350°  | 360°  |
|--------|-------|--------|-------|-------|-------|
| 112.5° | 619.2 | 397.4  | 388.0 | 350.8 | 313.5 |
| 115°   | 625.0 | 438.2  | 429.6 | 395.2 | 360.8 |
| 117.5° | 636.5 | 477.7  | 469.9 | 438.6 | 407.4 |
| 120°   | 646.0 | 500.7  | 493.4 | 464.0 | 434.6 |
| 122.5° | 659.6 | 527.9  | 520.5 | 490.9 | 461.2 |
| 125°   | 678.0 | 562.8  | 556.0 | 529.0 | 501.9 |
| 127.5° | 696.2 | 596.4  | 589.6 | 562.3 | 535.0 |
| 130°   | 709.6 | 618.8  | 611.5 | 582.2 | 552.8 |
| 132.5° | 720.5 | 637.2  | 629.8 | 600.4 | 571.0 |
| 135°   | 732.2 | 658.4  | 651.7 | 625.0 | 598.2 |
| 137.5° | 750.0 | 685.6  | 679.0 | 652.5 | 625.9 |
| 140°   | 760.8 | 703.8  | 697.7 | 673.4 | 648.9 |
| 142.5° | 769.8 | 717.5  | 711.9 | 689.2 | 666.7 |
| 145°   | 781.7 | 738.1  | 733.2 | 713.5 | 693.8 |
| 147.5° | 799.0 | 764.1  | 759.3 | 740.1 | 721.0 |
| 150°   | 808.0 | 777.7  | 773.4 | 756.0 | 738.7 |
| 152.5° | 813.9 | 786.5  | 783.3 | 770.1 | 757.0 |
| 155°   | 826.9 | 806.0  | 803.6 | 793.9 | 784.2 |
| 157.5° | 839.9 | 825.5  | 823.1 | 813.8 | 804.3 |
| 160°   | 845.8 | 834.4  | 832.6 | 825.2 | 817.9 |
| 162.5° | 852.1 | 843.8  | 842.5 | 837.0 | 831.4 |
| 165°   | 861.1 | 857.4  | 856.2 | 851.2 | 846.2 |
| 167.5° | 868.2 | 865.0  | 864.5 | 862.1 | 859.8 |
| 170°   | 874.1 | 873.9  | 873.3 | 871.0 | 868.7 |
| 172.5° | 874.5 | 874.5  | 874.4 | 873.8 | 873.3 |
| 175°   | 878.0 | 879.8  | 879.8 | 879.8 | 879.8 |
| 177.5° | 878.5 | 879.8  | 879.8 | 879.8 | 879.8 |
| 180°   | 879.8 | 879.8  | 879.8 | 879.8 | 879.8 |

(END OF REPORT)