

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: P935508

Luminaire Tested: SQ4-FA-125U-050D-B50-1D-UNV-W2A-W-8

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P935508  
REPORT IS A COMBINATION OF REPORTS P933756 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-050D-B50-1D-UNV-W2A-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

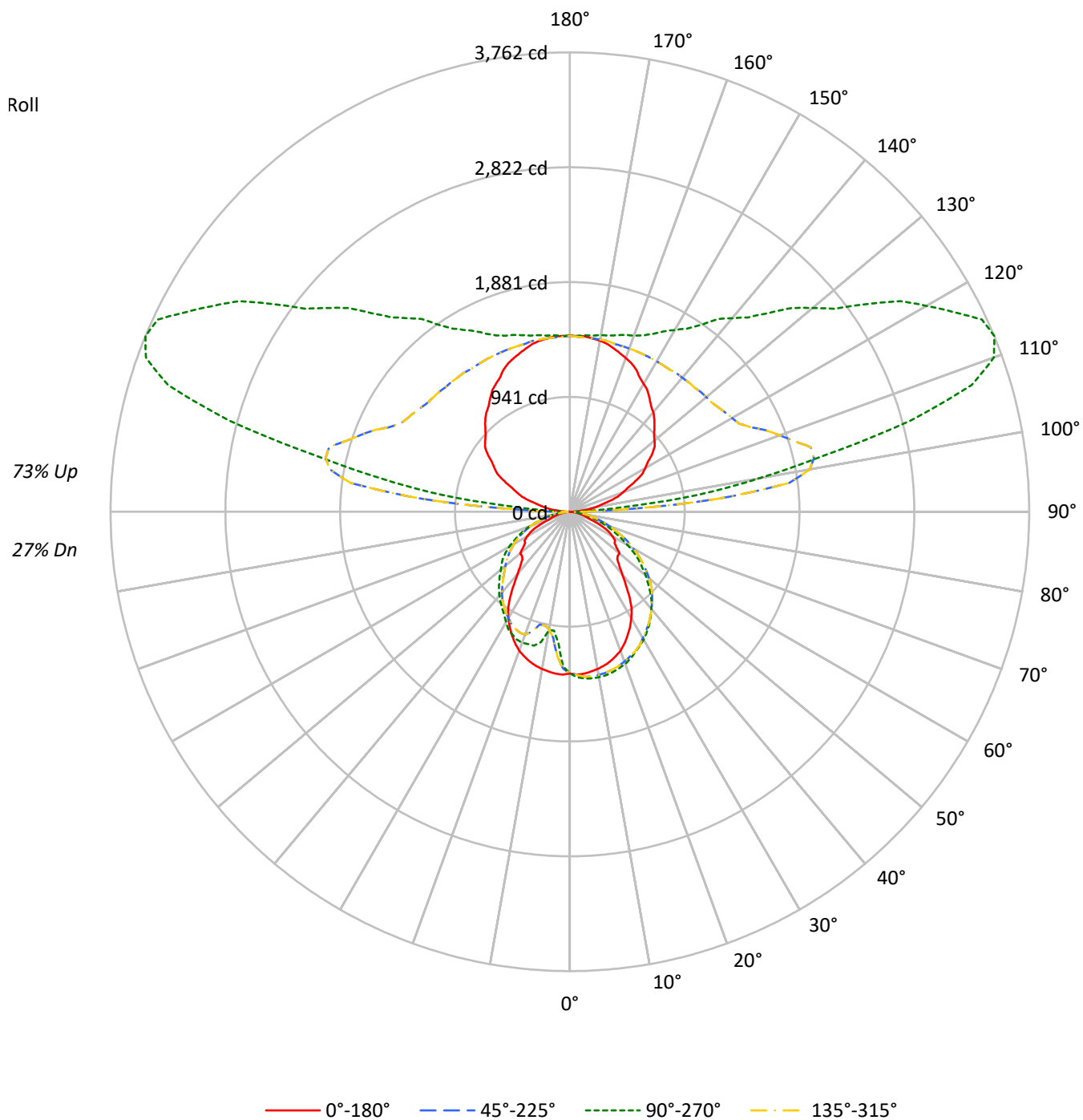
Lumens per Lamp: N/A  
Luminaire Lumens: 12780.9 lumens  
Efficiency: N/A  
Efficacy: 134.3 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: Semi-Indirect

Input Watts (W): 95.2  
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: P935508

CATALOG NUMBER: SQ4-FA-125U-050D-B50-1D-UNV-W2A-W-8

### Luminous Intensity Polar Plot



TEST NUMBER: P935508

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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 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 102 | 102 | 102 | 102 | 91 | 91 | 91 | 91 | 71 | 71 | 71 | 52 | 52 | 52 | 35 | 35 | 35 | 27 |    |    |
| 1   | 93  | 88  | 85  | 81  | 83 | 79 | 76 | 73 | 62 | 60 | 58 | 46 | 44 | 43 | 31 | 30 | 29 | 23 |    |    |
| 2   | 84  | 77  | 71  | 66  | 75 | 69 | 64 | 60 | 54 | 51 | 48 | 40 | 38 | 36 | 27 | 26 | 25 | 19 |    |    |
| 3   | 77  | 68  | 61  | 55  | 68 | 61 | 55 | 50 | 48 | 43 | 40 | 35 | 33 | 30 | 24 | 22 | 21 | 16 |    |    |
| 4   | 70  | 60  | 52  | 47  | 62 | 54 | 47 | 42 | 42 | 38 | 34 | 31 | 28 | 26 | 21 | 20 | 18 | 14 |    |    |
| 5   | 64  | 53  | 45  | 40  | 57 | 48 | 41 | 36 | 38 | 33 | 29 | 28 | 25 | 22 | 19 | 17 | 16 | 12 |    |    |
| 6   | 59  | 48  | 40  | 34  | 53 | 43 | 36 | 31 | 34 | 29 | 25 | 25 | 22 | 19 | 17 | 15 | 14 | 10 |    |    |
| 7   | 55  | 43  | 35  | 30  | 49 | 38 | 32 | 27 | 30 | 26 | 22 | 23 | 20 | 17 | 16 | 14 | 12 | 9  |    |    |
| 8   | 50  | 39  | 31  | 26  | 45 | 35 | 28 | 24 | 28 | 23 | 19 | 21 | 18 | 15 | 15 | 12 | 11 | 8  |    |    |
| 9   | 47  | 35  | 28  | 23  | 42 | 32 | 25 | 21 | 25 | 21 | 17 | 19 | 16 | 14 | 13 | 11 | 10 | 7  |    |    |
| 10  | 44  | 32  | 25  | 20  | 39 | 29 | 23 | 19 | 23 | 19 | 15 | 18 | 14 | 12 | 12 | 10 | 9  | 7  |    |    |

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

|     | 0°   | 90°  | 180° | 270° |
|-----|------|------|------|------|
| 0°  | 6144 | 6144 | 6144 | 6144 |
| 5°  | 6190 | 6202 | 6190 | 4877 |
| 10° | 6148 | 6109 | 6148 | 4367 |
| 15° | 6081 | 5977 | 6081 | 4991 |
| 20° | 5954 | 5820 | 5954 | 5001 |
| 25° | 5694 | 5591 | 5694 | 4895 |
| 30° | 5357 | 5402 | 5357 | 4663 |
| 35° | 4776 | 5161 | 4776 | 4406 |
| 40° | 3980 | 4878 | 3980 | 4214 |
| 45° | 3556 | 4547 | 3556 | 3992 |
| 50° | 3778 | 4153 | 3778 | 3768 |
| 55° | 3554 | 3728 | 3554 | 3639 |
| 60° | 3664 | 3166 | 3664 | 3333 |
| 65° | 3321 | 2617 | 3321 | 2925 |
| 70° | 2300 | 2086 | 2300 | 2452 |
| 75° | 2018 | 1542 | 2018 | 1847 |
| 80° | 1624 | 1019 | 1624 | 1109 |
| 85° | 936  | 541  | 936  | 459  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 5450 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 119.5   | 0.9       |
| 10°-20°   | 339.4   | 2.7       |
| 20°-30°   | 524.6   | 4.1       |
| 30°-40°   | 626.3   | 4.9       |
| 40°-50°   | 630.0   | 4.9       |
| 50°-60°   | 548.1   | 4.3       |
| 60°-70°   | 388.6   | 3.0       |
| 70°-80°   | 205.6   | 1.6       |
| 80°-90°   | 56.7    | 0.4       |
| 90°-100°  | 702.5   | 5.5       |
| 100°-110° | 1846.8  | 14.4      |
| 110°-120° | 1914.9  | 15.0      |
| 120°-130° | 1536.0  | 12.0      |
| 130°-140° | 1205.2  | 9.4       |
| 140°-150° | 925.0   | 7.2       |
| 150°-160° | 666.2   | 5.2       |
| 160°-170° | 407.6   | 3.2       |
| 170°-180° | 137.7   | 1.1       |
| 0°-30°    | 983.5   | 7.7       |
| 0°-40°    | 1609.8  | 12.6      |
| 0°-60°    | 2787.9  | 21.8      |
| 0°-90°    | 3438.9  | 26.9      |
| 90°-120°  | 4464.2  | 34.9      |
| 90°-150°  | 8130.5  | 63.6      |
| 90°-180°  | 9342.0  | 73.1      |
| 0°-180°   | 12780.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1324 | 1324 | 1324 | 1324 | 1324 |      |
| 5°   | 1330 | 1372 | 1330 | 1079 | 1330 | 126  |
| 15°  | 1270 | 1359 | 1270 | 1135 | 1270 | 357  |
| 25°  | 1119 | 1268 | 1119 | 1110 | 1119 | 514  |
| 35°  | 851  | 1131 | 851  | 966  | 851  | 526  |
| 45°  | 549  | 932  | 549  | 818  | 549  | 440  |
| 55°  | 447  | 688  | 447  | 672  | 447  | 411  |
| 65°  | 311  | 415  | 311  | 464  | 311  | 297  |
| 75°  | 118  | 197  | 118  | 236  | 118  | 124  |
| 85°  | 20   | 50   | 20   | 43   | 20   | 27   |
| 90°  | 10   | 37   | 10   | 37   | 10   | 9    |
| 95°  | 93   | 425  | 93   | 425  | 93   | 103  |
| 105° | 333  | 2892 | 333  | 2892 | 333  | 353  |
| 115° | 591  | 3724 | 591  | 3724 | 591  | 584  |
| 125° | 822  | 2965 | 822  | 2965 | 822  | 730  |
| 135° | 980  | 2301 | 980  | 2301 | 980  | 758  |
| 145° | 1136 | 1867 | 1136 | 1867 | 1136 | 712  |
| 155° | 1284 | 1607 | 1284 | 1607 | 1284 | 590  |
| 165° | 1386 | 1497 | 1386 | 1497 | 1386 | 391  |
| 175° | 1441 | 1451 | 1441 | 1451 | 1441 | 137  |
| 180° | 1441 | 1441 | 1441 | 1441 | 1441 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 |
| 2.5°   | 1335.4 | 1335.4 | 1343.0 | 1345.5 | 1345.5 | 1341.7 | 1338.0 | 1341.7 | 1353.0 | 1356.7 | 1355.5 |
| 5°     | 1330.5 | 1340.5 | 1354.3 | 1356.7 | 1359.3 | 1358.0 | 1355.5 | 1358.0 | 1370.6 | 1373.1 | 1374.3 |
| 7.5°   | 1320.4 | 1339.3 | 1356.7 | 1360.6 | 1364.3 | 1360.6 | 1359.3 | 1361.8 | 1374.3 | 1376.8 | 1376.8 |
| 10°    | 1307.9 | 1334.2 | 1354.3 | 1356.7 | 1360.6 | 1356.7 | 1356.7 | 1361.8 | 1374.3 | 1376.8 | 1378.0 |
| 12.5°  | 1290.3 | 1326.7 | 1345.5 | 1347.9 | 1353.0 | 1351.8 | 1350.5 | 1355.5 | 1368.0 | 1370.6 | 1370.6 |
| 15°    | 1270.3 | 1312.9 | 1330.5 | 1332.9 | 1341.7 | 1339.3 | 1339.3 | 1344.2 | 1358.0 | 1361.8 | 1360.6 |
| 17.5°  | 1242.8 | 1295.4 | 1315.4 | 1319.2 | 1325.4 | 1324.2 | 1325.4 | 1330.5 | 1343.0 | 1345.5 | 1346.7 |
| 20°    | 1211.4 | 1271.5 | 1295.4 | 1299.1 | 1305.4 | 1305.4 | 1305.4 | 1311.6 | 1324.2 | 1329.2 | 1329.2 |
| 22.5°  | 1168.8 | 1246.5 | 1271.5 | 1274.1 | 1281.6 | 1281.6 | 1284.1 | 1292.8 | 1304.1 | 1305.4 | 1305.4 |
| 25°    | 1118.7 | 1219.0 | 1240.3 | 1247.7 | 1255.3 | 1259.0 | 1262.8 | 1267.8 | 1271.5 | 1270.3 | 1271.5 |
| 27.5°  | 1066.2 | 1183.8 | 1211.4 | 1216.4 | 1226.4 | 1230.3 | 1235.2 | 1236.5 | 1237.7 | 1241.5 | 1239.0 |
| 30°    | 1007.2 | 1135.0 | 1176.4 | 1181.4 | 1197.7 | 1200.2 | 1195.1 | 1197.7 | 1203.9 | 1206.4 | 1209.0 |
| 32.5°  | 940.8  | 1062.3 | 1140.0 | 1151.3 | 1166.4 | 1158.8 | 1157.6 | 1161.3 | 1171.3 | 1171.3 | 1173.9 |
| 35°    | 850.6  | 1006.0 | 1106.2 | 1116.2 | 1127.5 | 1118.7 | 1123.8 | 1125.0 | 1131.3 | 1135.0 | 1133.8 |
| 37.5°  | 751.7  | 957.2  | 1071.1 | 1078.7 | 1087.5 | 1076.2 | 1083.6 | 1087.5 | 1092.4 | 1089.9 | 1089.9 |
| 40°    | 664.0  | 880.7  | 1029.8 | 1034.8 | 1042.3 | 1033.6 | 1041.0 | 1043.6 | 1046.1 | 1043.6 | 1042.3 |
| 42.5°  | 598.8  | 796.8  | 985.9  | 992.2  | 987.1  | 993.5  | 995.9  | 1001.0 | 997.2  | 992.2  | 992.2  |
| 45°    | 548.7  | 774.2  | 938.3  | 945.9  | 938.3  | 948.4  | 952.1  | 952.1  | 940.8  | 938.3  | 937.1  |
| 47.5°  | 532.5  | 729.1  | 890.8  | 890.8  | 886.9  | 899.5  | 905.8  | 897.0  | 885.7  | 882.0  | 882.0  |
| 50°    | 531.2  | 679.0  | 825.6  | 820.6  | 838.1  | 853.1  | 846.9  | 838.1  | 829.3  | 815.6  | 815.6  |
| 52.5°  | 482.3  | 617.7  | 741.7  | 760.5  | 788.0  | 796.8  | 786.7  | 778.0  | 763.0  | 756.6  | 751.7  |
| 55°    | 447.2  | 553.8  | 665.2  | 702.8  | 731.6  | 742.9  | 724.1  | 715.4  | 692.7  | 689.0  | 686.5  |
| 57.5°  | 439.7  | 461.0  | 595.1  | 642.7  | 677.7  | 676.5  | 665.2  | 648.9  | 630.2  | 626.4  | 625.1  |
| 60°    | 403.4  | 333.3  | 519.9  | 576.3  | 612.6  | 608.9  | 598.8  | 583.8  | 566.3  | 563.8  | 561.2  |
| 62.5°  | 365.8  | 241.8  | 434.7  | 498.6  | 549.9  | 548.7  | 539.9  | 517.4  | 504.8  | 498.6  | 493.6  |
| 65°    | 310.6  | 203.0  | 309.4  | 414.7  | 488.6  | 491.1  | 472.3  | 456.0  | 442.2  | 434.7  | 433.5  |
| 67.5°  | 236.8  | 165.4  | 209.2  | 345.8  | 429.7  | 427.2  | 403.4  | 395.9  | 378.4  | 374.6  | 367.1  |
| 70°    | 175.4  | 110.2  | 145.3  | 280.7  | 372.1  | 365.8  | 347.0  | 338.3  | 321.9  | 313.2  | 308.2  |
| 72.5°  | 145.3  | 88.9   | 106.5  | 218.0  | 313.2  | 305.7  | 289.4  | 279.4  | 265.6  | 258.1  | 253.0  |
| 75°    | 117.8  | 94.0   | 81.4   | 161.6  | 254.3  | 249.3  | 234.2  | 224.3  | 213.0  | 203.0  | 204.2  |
| 77.5°  | 86.5   | 87.7   | 65.1   | 119.0  | 201.7  | 194.2  | 185.4  | 172.9  | 167.8  | 157.8  | 157.8  |
| 80°    | 65.1   | 68.9   | 48.8   | 81.4   | 145.3  | 145.3  | 137.8  | 129.1  | 120.3  | 115.3  | 115.3  |
| 82.5°  | 43.8   | 43.8   | 36.3   | 51.4   | 99.0   | 95.2   | 90.2   | 87.7   | 82.7   | 80.1   | 80.1   |
| 85°    | 20.1   | 25.0   | 22.5   | 31.3   | 53.9   | 56.4   | 56.4   | 53.9   | 52.6   | 50.2   | 51.4   |
| 87.5°  | 6.3    | 11.3   | 13.8   | 17.6   | 27.6   | 28.9   | 30.1   | 30.1   | 30.1   | 31.3   | 31.3   |
| 90°    | 9.7    | 17.5   | 25.1   | 27.1   | 42.6   | 63.2   | 73.5   | 65.3   | 48.9   | 36.7   | 36.7   |
| 92.5°  | 38.7   | 104.4  | 170.3  | 186.7  | 262.5  | 363.4  | 413.9  | 362.8  | 260.5  | 183.7  | 176.4  |
| 95°    | 92.8   | 213.2  | 333.6  | 363.7  | 645.8  | 1021.9 | 1209.9 | 1079.7 | 819.2  | 623.8  | 601.7  |
| 97.5°  | 160.6  | 266.8  | 372.9  | 399.5  | 869.8  | 1497.0 | 1810.6 | 1728.3 | 1563.6 | 1440.1 | 1398.0 |
| 100°   | 212.8  | 309.1  | 405.4  | 429.5  | 951.4  | 1647.3 | 1995.3 | 2001.3 | 2013.3 | 2022.4 | 1972.2 |
| 102.5° | 257.2  | 347.1  | 436.9  | 459.4  | 988.8  | 1694.6 | 2047.5 | 2152.4 | 2362.2 | 2519.5 | 2476.5 |
| 105°   | 332.7  | 408.8  | 484.8  | 503.9  | 1016.5 | 1700.0 | 2041.7 | 2276.8 | 2747.1 | 3099.8 | 3076.7 |
| 107.5° | 410.1  | 481.0  | 551.9  | 569.6  | 1021.6 | 1624.3 | 1925.6 | 2253.6 | 2909.6 | 3401.5 | 3407.1 |
| 110°   | 462.3  | 526.4  | 590.5  | 606.4  | 1014.0 | 1557.3 | 1829.0 | 2195.6 | 2928.9 | 3478.9 | 3503.0 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 513.6  | 574.6  | 635.7  | 650.9  | 1014.2 | 1498.7 | 1740.9 | 2116.2 | 2866.6 | 3429.6 | 3466.5 |
| 115°   | 590.9  | 647.3  | 703.5  | 717.6  | 1023.6 | 1431.5 | 1635.5 | 1997.0 | 2720.0 | 3262.3 | 3313.6 |
| 117.5° | 667.3  | 718.5  | 769.6  | 782.4  | 1042.6 | 1389.5 | 1563.0 | 1889.2 | 2541.7 | 3031.1 | 3088.0 |
| 120°   | 711.8  | 760.0  | 808.1  | 820.1  | 1058.0 | 1375.3 | 1533.9 | 1832.0 | 2428.2 | 2875.4 | 2930.6 |
| 122.5° | 755.3  | 803.9  | 852.5  | 864.6  | 1080.3 | 1367.8 | 1511.7 | 1780.1 | 2317.1 | 2719.7 | 2774.2 |
| 125°   | 822.1  | 866.4  | 910.6  | 921.7  | 1110.2 | 1361.8 | 1487.5 | 1715.6 | 2171.6 | 2513.7 | 2563.8 |
| 127.5° | 876.3  | 921.0  | 965.7  | 976.9  | 1140.3 | 1358.2 | 1467.2 | 1663.0 | 2054.6 | 2348.3 | 2390.6 |
| 130°   | 905.2  | 953.4  | 1001.5 | 1013.6 | 1162.2 | 1360.4 | 1459.5 | 1633.8 | 1982.4 | 2243.8 | 2283.0 |
| 132.5° | 935.2  | 983.4  | 1031.5 | 1043.6 | 1179.9 | 1361.8 | 1452.7 | 1608.7 | 1920.8 | 2154.8 | 2189.9 |
| 135°   | 979.8  | 1023.6 | 1067.5 | 1078.4 | 1199.3 | 1360.5 | 1441.1 | 1571.7 | 1833.1 | 2029.1 | 2059.3 |
| 137.5° | 1025.2 | 1068.6 | 1112.0 | 1122.9 | 1228.3 | 1368.9 | 1439.1 | 1549.6 | 1770.6 | 1936.3 | 1961.0 |
| 140°   | 1062.9 | 1102.9 | 1142.8 | 1152.8 | 1246.0 | 1370.3 | 1432.4 | 1527.8 | 1718.7 | 1861.8 | 1884.9 |
| 142.5° | 1091.9 | 1128.9 | 1165.8 | 1175.1 | 1260.8 | 1375.2 | 1432.4 | 1516.2 | 1683.8 | 1809.5 | 1829.4 |
| 145°   | 1136.4 | 1168.6 | 1200.9 | 1209.0 | 1280.2 | 1375.2 | 1422.7 | 1491.2 | 1628.4 | 1731.3 | 1746.3 |
| 147.5° | 1180.9 | 1212.3 | 1243.7 | 1251.6 | 1308.6 | 1384.7 | 1422.7 | 1476.7 | 1584.5 | 1665.5 | 1677.9 |
| 150°   | 1209.9 | 1238.3 | 1266.7 | 1273.8 | 1323.4 | 1389.6 | 1422.7 | 1468.2 | 1559.4 | 1627.8 | 1637.9 |
| 152.5° | 1239.9 | 1261.4 | 1282.8 | 1288.3 | 1333.1 | 1392.8 | 1422.7 | 1461.6 | 1539.4 | 1597.8 | 1605.5 |
| 155°   | 1284.4 | 1300.3 | 1316.2 | 1320.2 | 1354.4 | 1399.9 | 1422.7 | 1453.7 | 1515.6 | 1562.0 | 1567.1 |
| 157.5° | 1317.3 | 1332.7 | 1348.2 | 1352.1 | 1375.6 | 1407.0 | 1422.7 | 1446.8 | 1494.9 | 1531.0 | 1534.6 |
| 160°   | 1339.5 | 1351.6 | 1363.6 | 1366.6 | 1385.3 | 1410.2 | 1422.7 | 1443.3 | 1484.6 | 1515.5 | 1517.6 |
| 162.5° | 1361.8 | 1370.7 | 1379.8 | 1382.0 | 1395.6 | 1413.6 | 1422.7 | 1440.0 | 1474.9 | 1501.0 | 1503.0 |
| 165°   | 1386.0 | 1394.2 | 1402.3 | 1404.4 | 1410.4 | 1418.6 | 1422.7 | 1435.2 | 1460.1 | 1478.8 | 1480.9 |
| 167.5° | 1408.2 | 1412.0 | 1415.9 | 1416.9 | 1422.0 | 1428.9 | 1432.4 | 1440.5 | 1456.9 | 1469.1 | 1469.9 |
| 170°   | 1422.7 | 1426.6 | 1430.5 | 1431.4 | 1431.7 | 1432.2 | 1432.4 | 1440.5 | 1456.9 | 1469.1 | 1469.1 |
| 172.5° | 1430.4 | 1431.3 | 1432.2 | 1432.4 | 1432.4 | 1432.4 | 1432.4 | 1438.8 | 1451.7 | 1461.4 | 1460.7 |
| 175°   | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1438.2 | 1434.3 | 1432.4 | 1436.5 | 1444.6 | 1450.8 | 1450.8 |
| 177.5° | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1438.8 | 1435.8 | 1434.3 | 1437.5 | 1444.0 | 1448.8 | 1448.0 |
| 180°   | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 |

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CATALOG NUMBER: SQ4-FA-125U-050D-B50-1D-UNV-W2A-W-8

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 |
| 2.5°   | 1358.0 | 1354.3 | 1358.0 | 1355.5 | 1356.7 | 1353.0 | 1341.7 | 1338.0 | 1341.7 | 1345.5 | 1345.5 |
| 5°     | 1374.3 | 1371.8 | 1374.3 | 1374.3 | 1373.1 | 1370.6 | 1358.0 | 1355.5 | 1358.0 | 1359.3 | 1356.7 |
| 7.5°   | 1379.3 | 1375.6 | 1379.3 | 1376.8 | 1376.8 | 1374.3 | 1361.8 | 1359.3 | 1360.6 | 1364.3 | 1360.6 |
| 10°    | 1379.3 | 1375.6 | 1379.3 | 1378.0 | 1376.8 | 1374.3 | 1361.8 | 1356.7 | 1356.7 | 1360.6 | 1356.7 |
| 12.5°  | 1373.1 | 1370.6 | 1373.1 | 1370.6 | 1370.6 | 1368.0 | 1355.5 | 1350.5 | 1351.8 | 1353.0 | 1347.9 |
| 15°    | 1363.0 | 1359.3 | 1363.0 | 1360.6 | 1361.8 | 1358.0 | 1344.2 | 1339.3 | 1339.3 | 1341.7 | 1332.9 |
| 17.5°  | 1347.9 | 1343.0 | 1347.9 | 1346.7 | 1345.5 | 1343.0 | 1330.5 | 1325.4 | 1324.2 | 1325.4 | 1319.2 |
| 20°    | 1330.5 | 1326.7 | 1330.5 | 1329.2 | 1329.2 | 1324.2 | 1311.6 | 1305.4 | 1305.4 | 1305.4 | 1299.1 |
| 22.5°  | 1302.9 | 1299.1 | 1302.9 | 1305.4 | 1305.4 | 1304.1 | 1292.8 | 1284.1 | 1281.6 | 1281.6 | 1274.1 |
| 25°    | 1271.5 | 1267.8 | 1271.5 | 1271.5 | 1270.3 | 1271.5 | 1267.8 | 1262.8 | 1259.0 | 1255.3 | 1247.7 |
| 27.5°  | 1241.5 | 1239.0 | 1241.5 | 1239.0 | 1241.5 | 1237.7 | 1236.5 | 1235.2 | 1230.3 | 1226.4 | 1216.4 |
| 30°    | 1211.4 | 1209.0 | 1211.4 | 1209.0 | 1206.4 | 1203.9 | 1197.7 | 1195.1 | 1200.2 | 1197.7 | 1181.4 |
| 32.5°  | 1173.9 | 1171.3 | 1173.9 | 1173.9 | 1171.3 | 1171.3 | 1161.3 | 1157.6 | 1158.8 | 1166.4 | 1151.3 |
| 35°    | 1135.0 | 1131.3 | 1135.0 | 1133.8 | 1135.0 | 1131.3 | 1125.0 | 1123.8 | 1118.7 | 1127.5 | 1116.2 |
| 37.5°  | 1089.9 | 1086.1 | 1089.9 | 1089.9 | 1089.9 | 1092.4 | 1087.5 | 1083.6 | 1076.2 | 1087.5 | 1078.7 |
| 40°    | 1043.6 | 1038.5 | 1043.6 | 1042.3 | 1043.6 | 1046.1 | 1043.6 | 1041.0 | 1033.6 | 1042.3 | 1034.8 |
| 42.5°  | 991.0  | 989.7  | 991.0  | 992.2  | 992.2  | 997.2  | 1001.0 | 995.9  | 993.5  | 987.1  | 992.2  |
| 45°    | 934.6  | 932.0  | 934.6  | 937.1  | 938.3  | 940.8  | 952.1  | 952.1  | 948.4  | 938.3  | 945.9  |
| 47.5°  | 874.4  | 868.2  | 874.4  | 882.0  | 882.0  | 885.7  | 897.0  | 905.8  | 899.5  | 886.9  | 890.8  |
| 50°    | 810.5  | 811.8  | 810.5  | 815.6  | 815.6  | 829.3  | 838.1  | 846.9  | 853.1  | 838.1  | 820.6  |
| 52.5°  | 747.9  | 746.6  | 747.9  | 751.7  | 756.6  | 763.0  | 778.0  | 786.7  | 796.8  | 788.0  | 760.5  |
| 55°    | 685.3  | 687.8  | 685.3  | 686.5  | 689.0  | 692.7  | 715.4  | 724.1  | 742.9  | 731.6  | 702.8  |
| 57.5°  | 622.6  | 618.9  | 622.6  | 625.1  | 626.4  | 630.2  | 648.9  | 665.2  | 676.5  | 677.7  | 642.7  |
| 60°    | 549.9  | 545.0  | 549.9  | 561.2  | 563.8  | 566.3  | 583.8  | 598.8  | 608.9  | 612.6  | 576.3  |
| 62.5°  | 486.1  | 477.3  | 486.1  | 493.6  | 498.6  | 504.8  | 517.4  | 539.9  | 548.7  | 549.9  | 498.6  |
| 65°    | 418.4  | 414.7  | 418.4  | 433.5  | 434.7  | 442.2  | 456.0  | 472.3  | 491.1  | 488.6  | 414.7  |
| 67.5°  | 357.1  | 357.1  | 357.1  | 367.1  | 374.6  | 378.4  | 395.9  | 403.4  | 427.2  | 429.7  | 345.8  |
| 70°    | 300.7  | 299.4  | 300.7  | 308.2  | 313.2  | 321.9  | 338.3  | 347.0  | 365.8  | 372.1  | 280.7  |
| 72.5°  | 246.8  | 245.5  | 246.8  | 253.0  | 258.1  | 265.6  | 279.4  | 289.4  | 305.7  | 313.2  | 218.0  |
| 75°    | 199.2  | 196.7  | 199.2  | 204.2  | 203.0  | 213.0  | 224.3  | 234.2  | 249.3  | 254.3  | 161.6  |
| 77.5°  | 152.8  | 152.8  | 152.8  | 157.8  | 157.8  | 167.8  | 172.9  | 185.4  | 194.2  | 201.7  | 119.0  |
| 80°    | 114.0  | 112.7  | 114.0  | 115.3  | 115.3  | 120.3  | 129.1  | 137.8  | 145.3  | 145.3  | 81.4   |
| 82.5°  | 80.1   | 77.7   | 80.1   | 80.1   | 80.1   | 82.7   | 87.7   | 90.2   | 95.2   | 99.0   | 51.4   |
| 85°    | 50.2   | 50.2   | 50.2   | 51.4   | 50.2   | 52.6   | 53.9   | 56.4   | 56.4   | 53.9   | 31.3   |
| 87.5°  | 32.6   | 31.3   | 32.6   | 31.3   | 31.3   | 30.1   | 30.1   | 30.1   | 28.9   | 27.6   | 17.6   |
| 90°    | 36.7   | 36.7   | 36.7   | 36.7   | 36.7   | 48.9   | 65.3   | 73.5   | 63.2   | 42.6   | 27.1   |
| 92.5°  | 147.2  | 118.0  | 147.2  | 176.4  | 183.7  | 260.5  | 362.8  | 413.9  | 363.4  | 262.5  | 186.7  |
| 95°    | 513.1  | 424.6  | 513.1  | 601.7  | 623.8  | 819.2  | 1079.7 | 1209.9 | 1021.9 | 645.8  | 363.7  |
| 97.5°  | 1229.5 | 1061.0 | 1229.5 | 1398.0 | 1440.1 | 1563.6 | 1728.3 | 1810.6 | 1497.0 | 869.8  | 399.5  |
| 100°   | 1771.4 | 1570.7 | 1771.4 | 1972.2 | 2022.4 | 2013.3 | 2001.3 | 1995.3 | 1647.3 | 951.4  | 429.5  |
| 102.5° | 2304.6 | 2132.6 | 2304.6 | 2476.5 | 2519.5 | 2362.2 | 2152.4 | 2047.5 | 1694.6 | 988.8  | 459.4  |
| 105°   | 2984.2 | 2891.9 | 2984.2 | 3076.7 | 3099.8 | 2747.1 | 2276.8 | 2041.7 | 1700.0 | 1016.5 | 503.9  |
| 107.5° | 3429.5 | 3451.8 | 3429.5 | 3407.1 | 3401.5 | 2909.6 | 2253.6 | 1925.6 | 1624.3 | 1021.6 | 569.6  |
| 110°   | 3599.3 | 3695.6 | 3599.3 | 3503.0 | 3478.9 | 2928.9 | 2195.6 | 1829.0 | 1557.3 | 1014.0 | 606.4  |

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**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3614.4 | 3762.2 | 3614.4 | 3466.5 | 3429.6 | 2866.6 | 2116.2 | 1740.9 | 1498.7 | 1014.2 | 650.9  |
| 115°   | 3518.6 | 3723.6 | 3518.6 | 3313.6 | 3262.3 | 2720.0 | 1997.0 | 1635.5 | 1431.5 | 1023.6 | 717.6  |
| 117.5° | 3315.3 | 3542.8 | 3315.3 | 3088.0 | 3031.1 | 2541.7 | 1889.2 | 1563.0 | 1389.5 | 1042.6 | 782.4  |
| 120°   | 3151.6 | 3372.5 | 3151.6 | 2930.6 | 2875.4 | 2428.2 | 1832.0 | 1533.9 | 1375.3 | 1058.0 | 820.1  |
| 122.5° | 2992.2 | 3210.1 | 2992.2 | 2774.2 | 2719.7 | 2317.1 | 1780.1 | 1511.7 | 1367.8 | 1080.3 | 864.6  |
| 125°   | 2764.6 | 2965.4 | 2764.6 | 2563.8 | 2513.7 | 2171.6 | 1715.6 | 1487.5 | 1361.8 | 1110.2 | 921.7  |
| 127.5° | 2560.0 | 2729.3 | 2560.0 | 2390.6 | 2348.3 | 2054.6 | 1663.0 | 1467.2 | 1358.2 | 1140.3 | 976.9  |
| 130°   | 2439.4 | 2595.9 | 2439.4 | 2283.0 | 2243.8 | 1982.4 | 1633.8 | 1459.5 | 1360.4 | 1162.2 | 1013.6 |
| 132.5° | 2330.0 | 2470.1 | 2330.0 | 2189.9 | 2154.8 | 1920.8 | 1608.7 | 1452.7 | 1361.8 | 1179.9 | 1043.6 |
| 135°   | 2180.1 | 2300.9 | 2180.1 | 2059.3 | 2029.1 | 1833.1 | 1571.7 | 1441.1 | 1360.5 | 1199.3 | 1078.4 |
| 137.5° | 2059.8 | 2158.8 | 2059.8 | 1961.0 | 1936.3 | 1770.6 | 1549.6 | 1439.1 | 1368.9 | 1228.3 | 1122.9 |
| 140°   | 1977.4 | 2069.7 | 1977.4 | 1884.9 | 1861.8 | 1718.7 | 1527.8 | 1432.4 | 1370.3 | 1246.0 | 1152.8 |
| 142.5° | 1908.9 | 1988.5 | 1908.9 | 1829.4 | 1809.5 | 1683.8 | 1516.2 | 1432.4 | 1375.2 | 1260.8 | 1175.1 |
| 145°   | 1806.4 | 1866.6 | 1806.4 | 1746.3 | 1731.3 | 1628.4 | 1491.2 | 1422.7 | 1375.2 | 1280.2 | 1209.0 |
| 147.5° | 1727.8 | 1777.7 | 1727.8 | 1677.9 | 1665.5 | 1584.5 | 1476.7 | 1422.7 | 1384.7 | 1308.6 | 1251.6 |
| 150°   | 1678.3 | 1718.7 | 1678.3 | 1637.9 | 1627.8 | 1559.4 | 1468.2 | 1422.7 | 1389.6 | 1323.4 | 1273.8 |
| 152.5° | 1635.9 | 1666.4 | 1635.9 | 1605.5 | 1597.8 | 1539.4 | 1461.6 | 1422.7 | 1392.8 | 1333.1 | 1288.3 |
| 155°   | 1587.2 | 1607.4 | 1587.2 | 1567.1 | 1562.0 | 1515.6 | 1453.7 | 1422.7 | 1399.9 | 1354.4 | 1320.2 |
| 157.5° | 1548.8 | 1563.0 | 1548.8 | 1534.6 | 1531.0 | 1494.9 | 1446.8 | 1422.7 | 1407.0 | 1375.6 | 1352.1 |
| 160°   | 1525.7 | 1533.9 | 1525.7 | 1517.6 | 1515.5 | 1484.6 | 1443.3 | 1422.7 | 1410.2 | 1385.3 | 1366.6 |
| 162.5° | 1510.7 | 1518.5 | 1510.7 | 1503.0 | 1501.0 | 1474.9 | 1440.0 | 1422.7 | 1413.6 | 1395.6 | 1382.0 |
| 165°   | 1489.0 | 1497.2 | 1489.0 | 1480.9 | 1478.8 | 1460.1 | 1435.2 | 1422.7 | 1418.6 | 1410.4 | 1404.4 |
| 167.5° | 1473.4 | 1476.8 | 1473.4 | 1469.9 | 1469.1 | 1456.9 | 1440.5 | 1432.4 | 1428.9 | 1422.0 | 1416.9 |
| 170°   | 1469.1 | 1469.1 | 1469.1 | 1469.1 | 1469.1 | 1456.9 | 1440.5 | 1432.4 | 1432.2 | 1431.7 | 1431.4 |
| 172.5° | 1457.6 | 1454.6 | 1457.6 | 1460.7 | 1461.4 | 1451.7 | 1438.8 | 1432.4 | 1432.4 | 1432.4 | 1432.4 |
| 175°   | 1450.8 | 1450.8 | 1450.8 | 1450.8 | 1450.8 | 1444.6 | 1436.5 | 1432.4 | 1434.3 | 1438.2 | 1441.1 |
| 177.5° | 1444.5 | 1441.1 | 1444.5 | 1448.0 | 1448.8 | 1444.0 | 1437.5 | 1434.3 | 1435.8 | 1438.8 | 1441.1 |
| 180°   | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 |

TEST NUMBER: P935508

CATALOG NUMBER: SQ4-FA-125U-050D-B50-1D-UNV-W2A-W-8

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 |
| 2.5°   | 1343.0 | 1335.4 | 1335.4 | 1322.9 | 1318.0 | 1314.1 | 1307.9 | 1289.1 | 1284.1 | 1279.1 | 1286.6 |
| 5°     | 1354.3 | 1340.5 | 1330.5 | 1307.9 | 1289.1 | 1281.6 | 1257.8 | 1212.7 | 1182.6 | 1160.0 | 1147.5 |
| 7.5°   | 1356.7 | 1339.3 | 1320.4 | 1285.4 | 1240.3 | 1220.2 | 1147.5 | 1064.9 | 1042.3 | 1022.3 | 1009.7 |
| 10°    | 1354.3 | 1334.2 | 1307.9 | 1255.3 | 1148.8 | 1113.7 | 1041.0 | 987.1  | 973.4  | 969.7  | 973.4  |
| 12.5°  | 1345.5 | 1326.7 | 1290.3 | 1202.7 | 1053.6 | 1029.8 | 987.1  | 955.9  | 953.3  | 959.6  | 993.5  |
| 15°    | 1330.5 | 1312.9 | 1270.3 | 1132.5 | 1001.0 | 983.4  | 953.3  | 942.1  | 955.9  | 999.8  | 1101.2 |
| 17.5°  | 1315.4 | 1295.4 | 1242.8 | 1063.6 | 960.9  | 948.4  | 927.1  | 949.6  | 1027.3 | 1086.1 | 1120.0 |
| 20°    | 1295.4 | 1271.5 | 1211.4 | 1013.5 | 932.0  | 920.8  | 910.7  | 1012.3 | 1071.1 | 1092.4 | 1111.2 |
| 22.5°  | 1271.5 | 1246.5 | 1168.8 | 978.5  | 902.0  | 893.3  | 899.5  | 1047.3 | 1071.1 | 1086.1 | 1102.4 |
| 25°    | 1240.3 | 1219.0 | 1118.7 | 950.9  | 878.2  | 868.2  | 892.0  | 1043.6 | 1057.4 | 1061.1 | 1093.7 |
| 27.5°  | 1211.4 | 1183.8 | 1066.2 | 925.8  | 849.4  | 845.6  | 898.2  | 1027.3 | 1037.3 | 1041.0 | 1076.2 |
| 30°    | 1176.4 | 1135.0 | 1007.2 | 899.5  | 819.3  | 818.1  | 899.5  | 1007.2 | 1004.7 | 1014.8 | 1049.8 |
| 32.5°  | 1140.0 | 1062.3 | 940.8  | 866.9  | 790.5  | 789.2  | 890.8  | 977.2  | 974.6  | 988.5  | 1014.8 |
| 35°    | 1106.2 | 1006.0 | 850.6  | 829.3  | 754.2  | 755.4  | 869.5  | 942.1  | 943.3  | 955.9  | 972.2  |
| 37.5°  | 1071.1 | 957.2  | 751.7  | 788.0  | 719.1  | 719.1  | 840.6  | 909.5  | 907.0  | 910.7  | 933.3  |
| 40°    | 1029.8 | 880.7  | 664.0  | 734.1  | 686.5  | 682.8  | 805.6  | 874.4  | 865.6  | 864.4  | 895.7  |
| 42.5°  | 985.9  | 796.8  | 598.8  | 662.8  | 648.9  | 643.9  | 763.0  | 831.8  | 815.6  | 819.3  | 859.4  |
| 45°    | 938.3  | 774.2  | 548.7  | 560.0  | 610.1  | 606.4  | 716.6  | 783.0  | 771.7  | 781.8  | 823.0  |
| 47.5°  | 890.8  | 729.1  | 532.5  | 464.8  | 568.8  | 567.5  | 665.2  | 735.3  | 729.1  | 739.2  | 783.0  |
| 50°    | 825.6  | 679.0  | 531.2  | 398.4  | 522.4  | 527.4  | 603.8  | 689.0  | 689.0  | 697.8  | 744.1  |
| 52.5°  | 741.7  | 617.7  | 482.3  | 360.8  | 468.5  | 483.5  | 549.9  | 648.9  | 651.5  | 660.2  | 701.5  |
| 55°    | 665.2  | 553.8  | 447.2  | 331.9  | 404.6  | 437.2  | 497.4  | 607.6  | 612.6  | 621.4  | 658.9  |
| 57.5°  | 595.1  | 461.0  | 439.7  | 298.1  | 345.8  | 377.1  | 451.0  | 567.5  | 570.0  | 577.5  | 613.8  |
| 60°    | 519.9  | 333.3  | 403.4  | 261.8  | 294.4  | 318.2  | 408.4  | 519.9  | 528.6  | 533.7  | 565.0  |
| 62.5°  | 434.7  | 241.8  | 365.8  | 236.8  | 269.4  | 274.3  | 373.3  | 474.8  | 486.1  | 489.9  | 508.7  |
| 65°    | 309.4  | 203.0  | 310.6  | 215.5  | 243.0  | 244.3  | 335.8  | 428.4  | 438.5  | 444.8  | 458.5  |
| 67.5°  | 209.2  | 165.4  | 236.8  | 195.4  | 223.0  | 224.3  | 299.4  | 374.6  | 388.4  | 393.4  | 402.2  |
| 70°    | 145.3  | 110.2  | 175.4  | 174.1  | 200.4  | 203.0  | 260.6  | 325.7  | 338.3  | 342.0  | 347.0  |
| 72.5°  | 106.5  | 88.9   | 145.3  | 156.6  | 176.6  | 179.1  | 220.5  | 270.6  | 283.1  | 286.9  | 289.4  |
| 75°    | 81.4   | 94.0   | 117.8  | 136.6  | 150.4  | 151.6  | 180.4  | 220.5  | 229.3  | 231.7  | 233.0  |
| 77.5°  | 65.1   | 87.7   | 86.5   | 110.2  | 122.7  | 120.3  | 141.6  | 170.4  | 177.9  | 177.9  | 177.9  |
| 80°    | 48.8   | 68.9   | 65.1   | 78.9   | 90.2   | 87.7   | 101.4  | 121.5  | 124.0  | 126.6  | 125.2  |
| 82.5°  | 36.3   | 43.8   | 43.8   | 50.2   | 60.1   | 57.6   | 67.6   | 78.9   | 78.9   | 78.9   | 81.4   |
| 85°    | 22.5   | 25.0   | 20.1   | 26.3   | 33.8   | 32.6   | 37.5   | 42.6   | 43.8   | 43.8   | 41.4   |
| 87.5°  | 13.8   | 11.3   | 6.3    | 10.0   | 15.0   | 15.0   | 17.6   | 18.8   | 17.6   | 17.6   | 17.6   |
| 90°    | 25.1   | 17.5   | 9.7    | 17.5   | 25.1   | 27.1   | 42.6   | 63.2   | 73.5   | 65.3   | 48.9   |
| 92.5°  | 170.3  | 104.4  | 38.7   | 104.4  | 170.3  | 186.7  | 262.5  | 363.4  | 413.9  | 362.8  | 260.5  |
| 95°    | 333.6  | 213.2  | 92.8   | 213.2  | 333.6  | 363.7  | 645.8  | 1021.9 | 1209.9 | 1079.7 | 819.2  |
| 97.5°  | 372.9  | 266.8  | 160.6  | 266.8  | 372.9  | 399.5  | 869.8  | 1497.0 | 1810.6 | 1728.3 | 1563.6 |
| 100°   | 405.4  | 309.1  | 212.8  | 309.1  | 405.4  | 429.5  | 951.4  | 1647.3 | 1995.3 | 2001.3 | 2013.3 |
| 102.5° | 436.9  | 347.1  | 257.2  | 347.1  | 436.9  | 459.4  | 988.8  | 1694.6 | 2047.5 | 2152.4 | 2362.2 |
| 105°   | 484.8  | 408.8  | 332.7  | 408.8  | 484.8  | 503.9  | 1016.5 | 1700.0 | 2041.7 | 2276.8 | 2747.1 |
| 107.5° | 551.9  | 481.0  | 410.1  | 481.0  | 551.9  | 569.6  | 1021.6 | 1624.3 | 1925.6 | 2253.6 | 2909.6 |
| 110°   | 590.5  | 526.4  | 462.3  | 526.4  | 590.5  | 606.4  | 1014.0 | 1557.3 | 1829.0 | 2195.6 | 2928.9 |

TEST NUMBER: P935508

CATALOG NUMBER: SQ4-FA-125U-050D-B50-1D-UNV-W2A-W-8

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 635.7  | 574.6  | 513.6  | 574.6  | 635.7  | 650.9  | 1014.2 | 1498.7 | 1740.9 | 2116.2 | 2866.6 |
| 115°   | 703.5  | 647.3  | 590.9  | 647.3  | 703.5  | 717.6  | 1023.6 | 1431.5 | 1635.5 | 1997.0 | 2720.0 |
| 117.5° | 769.6  | 718.5  | 667.3  | 718.5  | 769.6  | 782.4  | 1042.6 | 1389.5 | 1563.0 | 1889.2 | 2541.7 |
| 120°   | 808.1  | 760.0  | 711.8  | 760.0  | 808.1  | 820.1  | 1058.0 | 1375.3 | 1533.9 | 1832.0 | 2428.2 |
| 122.5° | 852.5  | 803.9  | 755.3  | 803.9  | 852.5  | 864.6  | 1080.3 | 1367.8 | 1511.7 | 1780.1 | 2317.1 |
| 125°   | 910.6  | 866.4  | 822.1  | 866.4  | 910.6  | 921.7  | 1110.2 | 1361.8 | 1487.5 | 1715.6 | 2171.6 |
| 127.5° | 965.7  | 921.0  | 876.3  | 921.0  | 965.7  | 976.9  | 1140.3 | 1358.2 | 1467.2 | 1663.0 | 2054.6 |
| 130°   | 1001.5 | 953.4  | 905.2  | 953.4  | 1001.5 | 1013.6 | 1162.2 | 1360.4 | 1459.5 | 1633.8 | 1982.4 |
| 132.5° | 1031.5 | 983.4  | 935.2  | 983.4  | 1031.5 | 1043.6 | 1179.9 | 1361.8 | 1452.7 | 1608.7 | 1920.8 |
| 135°   | 1067.5 | 1023.6 | 979.8  | 1023.6 | 1067.5 | 1078.4 | 1199.3 | 1360.5 | 1441.1 | 1571.7 | 1833.1 |
| 137.5° | 1112.0 | 1068.6 | 1025.2 | 1068.6 | 1112.0 | 1122.9 | 1228.3 | 1368.9 | 1439.1 | 1549.6 | 1770.6 |
| 140°   | 1142.8 | 1102.9 | 1062.9 | 1102.9 | 1142.8 | 1152.8 | 1246.0 | 1370.3 | 1432.4 | 1527.8 | 1718.7 |
| 142.5° | 1165.8 | 1128.9 | 1091.9 | 1128.9 | 1165.8 | 1175.1 | 1260.8 | 1375.2 | 1432.4 | 1516.2 | 1683.8 |
| 145°   | 1200.9 | 1168.6 | 1136.4 | 1168.6 | 1200.9 | 1209.0 | 1280.2 | 1375.2 | 1422.7 | 1491.2 | 1628.4 |
| 147.5° | 1243.7 | 1212.3 | 1180.9 | 1212.3 | 1243.7 | 1251.6 | 1308.6 | 1384.7 | 1422.7 | 1476.7 | 1584.5 |
| 150°   | 1266.7 | 1238.3 | 1209.9 | 1238.3 | 1266.7 | 1273.8 | 1323.4 | 1389.6 | 1422.7 | 1468.2 | 1559.4 |
| 152.5° | 1282.8 | 1261.4 | 1239.9 | 1261.4 | 1282.8 | 1288.3 | 1333.1 | 1392.8 | 1422.7 | 1461.6 | 1539.4 |
| 155°   | 1316.2 | 1300.3 | 1284.4 | 1300.3 | 1316.2 | 1320.2 | 1354.4 | 1399.9 | 1422.7 | 1453.7 | 1515.6 |
| 157.5° | 1348.2 | 1332.7 | 1317.3 | 1332.7 | 1348.2 | 1352.1 | 1375.6 | 1407.0 | 1422.7 | 1446.8 | 1494.9 |
| 160°   | 1363.6 | 1351.6 | 1339.5 | 1351.6 | 1363.6 | 1366.6 | 1385.3 | 1410.2 | 1422.7 | 1443.3 | 1484.6 |
| 162.5° | 1379.8 | 1370.7 | 1361.8 | 1370.7 | 1379.8 | 1382.0 | 1395.6 | 1413.6 | 1422.7 | 1440.0 | 1474.9 |
| 165°   | 1402.3 | 1394.2 | 1386.0 | 1394.2 | 1402.3 | 1404.4 | 1410.4 | 1418.6 | 1422.7 | 1435.2 | 1460.1 |
| 167.5° | 1415.9 | 1412.0 | 1408.2 | 1412.0 | 1415.9 | 1416.9 | 1422.0 | 1428.9 | 1432.4 | 1440.5 | 1456.9 |
| 170°   | 1430.5 | 1426.6 | 1422.7 | 1426.6 | 1430.5 | 1431.4 | 1431.7 | 1432.2 | 1432.4 | 1440.5 | 1456.9 |
| 172.5° | 1432.2 | 1431.3 | 1430.4 | 1431.3 | 1432.2 | 1432.4 | 1432.4 | 1432.4 | 1432.4 | 1438.8 | 1451.7 |
| 175°   | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1438.2 | 1434.3 | 1432.4 | 1436.5 | 1444.6 |
| 177.5° | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1438.8 | 1435.8 | 1434.3 | 1437.5 | 1444.0 |
| 180°   | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 |

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**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 |
| 2.5°   | 1277.8 | 1274.1 | 1279.1 | 1265.3 | 1279.1 | 1274.1 | 1277.8 | 1286.6 | 1279.1 | 1284.1 | 1289.1 |
| 5°     | 1121.3 | 1115.0 | 1094.9 | 1078.7 | 1094.9 | 1115.0 | 1121.3 | 1147.5 | 1160.0 | 1182.6 | 1212.7 |
| 7.5°   | 1002.2 | 997.2  | 992.2  | 982.2  | 992.2  | 997.2  | 1002.2 | 1009.7 | 1022.3 | 1042.3 | 1064.9 |
| 10°    | 975.9  | 977.2  | 984.7  | 983.4  | 984.7  | 977.2  | 975.9  | 973.4  | 969.7  | 973.4  | 987.1  |
| 12.5°  | 1043.6 | 1054.9 | 1096.1 | 1093.7 | 1096.1 | 1054.9 | 1043.6 | 993.5  | 959.6  | 953.3  | 955.9  |
| 15°    | 1121.3 | 1125.0 | 1133.8 | 1135.0 | 1133.8 | 1125.0 | 1121.3 | 1101.2 | 999.8  | 955.9  | 942.1  |
| 17.5°  | 1128.7 | 1130.0 | 1136.3 | 1136.3 | 1136.3 | 1130.0 | 1128.7 | 1120.0 | 1086.1 | 1027.3 | 949.6  |
| 20°    | 1122.5 | 1125.0 | 1137.5 | 1140.0 | 1137.5 | 1125.0 | 1122.5 | 1111.2 | 1092.4 | 1071.1 | 1012.3 |
| 22.5°  | 1120.0 | 1125.0 | 1135.0 | 1133.8 | 1135.0 | 1125.0 | 1120.0 | 1102.4 | 1086.1 | 1071.1 | 1047.3 |
| 25°    | 1107.4 | 1107.4 | 1108.8 | 1110.0 | 1108.8 | 1107.4 | 1107.4 | 1093.7 | 1061.1 | 1057.4 | 1043.6 |
| 27.5°  | 1081.1 | 1083.6 | 1091.2 | 1089.9 | 1091.2 | 1083.6 | 1081.1 | 1076.2 | 1041.0 | 1037.3 | 1027.3 |
| 30°    | 1057.4 | 1054.9 | 1048.6 | 1043.6 | 1048.6 | 1054.9 | 1057.4 | 1049.8 | 1014.8 | 1004.7 | 1007.2 |
| 32.5°  | 1017.2 | 1011.0 | 1004.7 | 1001.0 | 1004.7 | 1011.0 | 1017.2 | 1014.8 | 988.5  | 974.6  | 977.2  |
| 35°    | 969.7  | 970.9  | 969.7  | 965.8  | 969.7  | 970.9  | 969.7  | 972.2  | 955.9  | 943.3  | 942.1  |
| 37.5°  | 935.9  | 938.3  | 937.1  | 932.0  | 937.1  | 938.3  | 935.9  | 933.3  | 910.7  | 907.0  | 909.5  |
| 40°    | 900.7  | 902.0  | 900.7  | 897.0  | 900.7  | 902.0  | 900.7  | 895.7  | 864.4  | 865.6  | 874.4  |
| 42.5°  | 866.9  | 865.6  | 861.9  | 859.4  | 861.9  | 865.6  | 866.9  | 859.4  | 819.3  | 815.6  | 831.8  |
| 45°    | 828.1  | 829.3  | 821.8  | 818.1  | 821.8  | 829.3  | 828.1  | 823.0  | 781.8  | 771.7  | 783.0  |
| 47.5°  | 789.2  | 789.2  | 783.0  | 779.2  | 783.0  | 789.2  | 789.2  | 783.0  | 739.2  | 729.1  | 735.3  |
| 50°    | 747.9  | 746.6  | 737.9  | 736.6  | 737.9  | 746.6  | 747.9  | 744.1  | 697.8  | 689.0  | 689.0  |
| 52.5°  | 700.3  | 700.3  | 701.5  | 704.0  | 701.5  | 700.3  | 700.3  | 701.5  | 660.2  | 651.5  | 648.9  |
| 55°    | 658.9  | 660.2  | 669.0  | 671.5  | 669.0  | 660.2  | 658.9  | 658.9  | 621.4  | 612.6  | 607.6  |
| 57.5°  | 616.3  | 616.3  | 622.6  | 622.6  | 622.6  | 616.3  | 616.3  | 613.8  | 577.5  | 570.0  | 567.5  |
| 60°    | 567.5  | 570.0  | 575.1  | 573.8  | 575.1  | 570.0  | 567.5  | 565.0  | 533.7  | 528.6  | 519.9  |
| 62.5°  | 516.1  | 518.7  | 519.9  | 517.4  | 519.9  | 518.7  | 516.1  | 508.7  | 489.9  | 486.1  | 474.8  |
| 65°    | 462.2  | 464.8  | 466.1  | 463.5  | 466.1  | 464.8  | 462.2  | 458.5  | 444.8  | 438.5  | 428.4  |
| 67.5°  | 407.1  | 405.9  | 404.6  | 409.7  | 404.6  | 405.9  | 407.1  | 402.2  | 393.4  | 388.4  | 374.6  |
| 70°    | 350.8  | 350.8  | 349.5  | 352.0  | 349.5  | 350.8  | 350.8  | 347.0  | 342.0  | 338.3  | 325.7  |
| 72.5°  | 290.7  | 289.4  | 294.4  | 290.7  | 294.4  | 289.4  | 290.7  | 289.4  | 286.9  | 283.1  | 270.6  |
| 75°    | 231.7  | 234.2  | 231.7  | 235.6  | 231.7  | 234.2  | 231.7  | 233.0  | 231.7  | 229.3  | 220.5  |
| 77.5°  | 176.6  | 179.1  | 176.6  | 176.6  | 176.6  | 179.1  | 176.6  | 177.9  | 177.9  | 177.9  | 170.4  |
| 80°    | 125.2  | 124.0  | 124.0  | 122.7  | 124.0  | 124.0  | 125.2  | 125.2  | 126.6  | 124.0  | 121.5  |
| 82.5°  | 80.1   | 78.9   | 78.9   | 81.4   | 78.9   | 78.9   | 80.1   | 81.4   | 78.9   | 78.9   | 78.9   |
| 85°    | 43.8   | 45.1   | 42.6   | 42.6   | 42.6   | 45.1   | 43.8   | 41.4   | 43.8   | 43.8   | 42.6   |
| 87.5°  | 16.3   | 15.0   | 15.0   | 15.0   | 15.0   | 15.0   | 16.3   | 17.6   | 17.6   | 17.6   | 18.8   |
| 90°    | 36.7   | 36.7   | 36.7   | 36.7   | 36.7   | 36.7   | 36.7   | 48.9   | 65.3   | 73.5   | 63.2   |
| 92.5°  | 183.7  | 176.4  | 147.2  | 118.0  | 147.2  | 176.4  | 183.7  | 260.5  | 362.8  | 413.9  | 363.4  |
| 95°    | 623.8  | 601.7  | 513.1  | 424.6  | 513.1  | 601.7  | 623.8  | 819.2  | 1079.7 | 1209.9 | 1021.9 |
| 97.5°  | 1440.1 | 1398.0 | 1229.5 | 1061.0 | 1229.5 | 1398.0 | 1440.1 | 1563.6 | 1728.3 | 1810.6 | 1497.0 |
| 100°   | 2022.4 | 1972.2 | 1771.4 | 1570.7 | 1771.4 | 1972.2 | 2022.4 | 2013.3 | 2001.3 | 1995.3 | 1647.3 |
| 102.5° | 2519.5 | 2476.5 | 2304.6 | 2132.6 | 2304.6 | 2476.5 | 2519.5 | 2362.2 | 2152.4 | 2047.5 | 1694.6 |
| 105°   | 3099.8 | 3076.7 | 2984.2 | 2891.9 | 2984.2 | 3076.7 | 3099.8 | 2747.1 | 2276.8 | 2041.7 | 1700.0 |
| 107.5° | 3401.5 | 3407.1 | 3429.5 | 3451.8 | 3429.5 | 3407.1 | 3401.5 | 2909.6 | 2253.6 | 1925.6 | 1624.3 |
| 110°   | 3478.9 | 3503.0 | 3599.3 | 3695.6 | 3599.3 | 3503.0 | 3478.9 | 2928.9 | 2195.6 | 1829.0 | 1557.3 |

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**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3429.6 | 3466.5 | 3614.4 | 3762.2 | 3614.4 | 3466.5 | 3429.6 | 2866.6 | 2116.2 | 1740.9 | 1498.7 |
| 115°   | 3262.3 | 3313.6 | 3518.6 | 3723.6 | 3518.6 | 3313.6 | 3262.3 | 2720.0 | 1997.0 | 1635.5 | 1431.5 |
| 117.5° | 3031.1 | 3088.0 | 3315.3 | 3542.8 | 3315.3 | 3088.0 | 3031.1 | 2541.7 | 1889.2 | 1563.0 | 1389.5 |
| 120°   | 2875.4 | 2930.6 | 3151.6 | 3372.5 | 3151.6 | 2930.6 | 2875.4 | 2428.2 | 1832.0 | 1533.9 | 1375.3 |
| 122.5° | 2719.7 | 2774.2 | 2992.2 | 3210.1 | 2992.2 | 2774.2 | 2719.7 | 2317.1 | 1780.1 | 1511.7 | 1367.8 |
| 125°   | 2513.7 | 2563.8 | 2764.6 | 2965.4 | 2764.6 | 2563.8 | 2513.7 | 2171.6 | 1715.6 | 1487.5 | 1361.8 |
| 127.5° | 2348.3 | 2390.6 | 2560.0 | 2729.3 | 2560.0 | 2390.6 | 2348.3 | 2054.6 | 1663.0 | 1467.2 | 1358.2 |
| 130°   | 2243.8 | 2283.0 | 2439.4 | 2595.9 | 2439.4 | 2283.0 | 2243.8 | 1982.4 | 1633.8 | 1459.5 | 1360.4 |
| 132.5° | 2154.8 | 2189.9 | 2330.0 | 2470.1 | 2330.0 | 2189.9 | 2154.8 | 1920.8 | 1608.7 | 1452.7 | 1361.8 |
| 135°   | 2029.1 | 2059.3 | 2180.1 | 2300.9 | 2180.1 | 2059.3 | 2029.1 | 1833.1 | 1571.7 | 1441.1 | 1360.5 |
| 137.5° | 1936.3 | 1961.0 | 2059.8 | 2158.8 | 2059.8 | 1961.0 | 1936.3 | 1770.6 | 1549.6 | 1439.1 | 1368.9 |
| 140°   | 1861.8 | 1884.9 | 1977.4 | 2069.7 | 1977.4 | 1884.9 | 1861.8 | 1718.7 | 1527.8 | 1432.4 | 1370.3 |
| 142.5° | 1809.5 | 1829.4 | 1908.9 | 1988.5 | 1908.9 | 1829.4 | 1809.5 | 1683.8 | 1516.2 | 1432.4 | 1375.2 |
| 145°   | 1731.3 | 1746.3 | 1806.4 | 1866.6 | 1806.4 | 1746.3 | 1731.3 | 1628.4 | 1491.2 | 1422.7 | 1375.2 |
| 147.5° | 1665.5 | 1677.9 | 1727.8 | 1777.7 | 1727.8 | 1677.9 | 1665.5 | 1584.5 | 1476.7 | 1422.7 | 1384.7 |
| 150°   | 1627.8 | 1637.9 | 1678.3 | 1718.7 | 1678.3 | 1637.9 | 1627.8 | 1559.4 | 1468.2 | 1422.7 | 1389.6 |
| 152.5° | 1597.8 | 1605.5 | 1635.9 | 1666.4 | 1635.9 | 1605.5 | 1597.8 | 1539.4 | 1461.6 | 1422.7 | 1392.8 |
| 155°   | 1562.0 | 1567.1 | 1587.2 | 1607.4 | 1587.2 | 1567.1 | 1562.0 | 1515.6 | 1453.7 | 1422.7 | 1399.9 |
| 157.5° | 1531.0 | 1534.6 | 1548.8 | 1563.0 | 1548.8 | 1534.6 | 1531.0 | 1494.9 | 1446.8 | 1422.7 | 1407.0 |
| 160°   | 1515.5 | 1517.6 | 1525.7 | 1533.9 | 1525.7 | 1517.6 | 1515.5 | 1484.6 | 1443.3 | 1422.7 | 1410.2 |
| 162.5° | 1501.0 | 1503.0 | 1510.7 | 1518.5 | 1510.7 | 1503.0 | 1501.0 | 1474.9 | 1440.0 | 1422.7 | 1413.6 |
| 165°   | 1478.8 | 1480.9 | 1489.0 | 1497.2 | 1489.0 | 1480.9 | 1478.8 | 1460.1 | 1435.2 | 1422.7 | 1418.6 |
| 167.5° | 1469.1 | 1469.9 | 1473.4 | 1476.8 | 1473.4 | 1469.9 | 1469.1 | 1456.9 | 1440.5 | 1432.4 | 1428.9 |
| 170°   | 1469.1 | 1469.1 | 1469.1 | 1469.1 | 1469.1 | 1469.1 | 1469.1 | 1456.9 | 1440.5 | 1432.4 | 1432.2 |
| 172.5° | 1461.4 | 1460.7 | 1457.6 | 1454.6 | 1457.6 | 1460.7 | 1461.4 | 1451.7 | 1438.8 | 1432.4 | 1432.4 |
| 175°   | 1450.8 | 1450.8 | 1450.8 | 1450.8 | 1450.8 | 1450.8 | 1450.8 | 1444.6 | 1436.5 | 1432.4 | 1434.3 |
| 177.5° | 1448.8 | 1448.0 | 1444.5 | 1441.1 | 1444.5 | 1448.0 | 1448.8 | 1444.0 | 1437.5 | 1434.3 | 1435.8 |
| 180°   | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 |

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CATALOG NUMBER: SQ4-FA-125U-050D-B50-1D-UNV-W2A-W-8

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 0°     | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 |
| 2.5°   | 1307.9 | 1314.1 | 1318.0 | 1322.9 | 1335.4 |
| 5°     | 1257.8 | 1281.6 | 1289.1 | 1307.9 | 1330.5 |
| 7.5°   | 1147.5 | 1220.2 | 1240.3 | 1285.4 | 1320.4 |
| 10°    | 1041.0 | 1113.7 | 1148.8 | 1255.3 | 1307.9 |
| 12.5°  | 987.1  | 1029.8 | 1053.6 | 1202.7 | 1290.3 |
| 15°    | 953.3  | 983.4  | 1001.0 | 1132.5 | 1270.3 |
| 17.5°  | 927.1  | 948.4  | 960.9  | 1063.6 | 1242.8 |
| 20°    | 910.7  | 920.8  | 932.0  | 1013.5 | 1211.4 |
| 22.5°  | 899.5  | 893.3  | 902.0  | 978.5  | 1168.8 |
| 25°    | 892.0  | 868.2  | 878.2  | 950.9  | 1118.7 |
| 27.5°  | 898.2  | 845.6  | 849.4  | 925.8  | 1066.2 |
| 30°    | 899.5  | 818.1  | 819.3  | 899.5  | 1007.2 |
| 32.5°  | 890.8  | 789.2  | 790.5  | 866.9  | 940.8  |
| 35°    | 869.5  | 755.4  | 754.2  | 829.3  | 850.6  |
| 37.5°  | 840.6  | 719.1  | 719.1  | 788.0  | 751.7  |
| 40°    | 805.6  | 682.8  | 686.5  | 734.1  | 664.0  |
| 42.5°  | 763.0  | 643.9  | 648.9  | 662.8  | 598.8  |
| 45°    | 716.6  | 606.4  | 610.1  | 560.0  | 548.7  |
| 47.5°  | 665.2  | 567.5  | 568.8  | 464.8  | 532.5  |
| 50°    | 603.8  | 527.4  | 522.4  | 398.4  | 531.2  |
| 52.5°  | 549.9  | 483.5  | 468.5  | 360.8  | 482.3  |
| 55°    | 497.4  | 437.2  | 404.6  | 331.9  | 447.2  |
| 57.5°  | 451.0  | 377.1  | 345.8  | 298.1  | 439.7  |
| 60°    | 408.4  | 318.2  | 294.4  | 261.8  | 403.4  |
| 62.5°  | 373.3  | 274.3  | 269.4  | 236.8  | 365.8  |
| 65°    | 335.8  | 244.3  | 243.0  | 215.5  | 310.6  |
| 67.5°  | 299.4  | 224.3  | 223.0  | 195.4  | 236.8  |
| 70°    | 260.6  | 203.0  | 200.4  | 174.1  | 175.4  |
| 72.5°  | 220.5  | 179.1  | 176.6  | 156.6  | 145.3  |
| 75°    | 180.4  | 151.6  | 150.4  | 136.6  | 117.8  |
| 77.5°  | 141.6  | 120.3  | 122.7  | 110.2  | 86.5   |
| 80°    | 101.4  | 87.7   | 90.2   | 78.9   | 65.1   |
| 82.5°  | 67.6   | 57.6   | 60.1   | 50.2   | 43.8   |
| 85°    | 37.5   | 32.6   | 33.8   | 26.3   | 20.1   |
| 87.5°  | 17.6   | 15.0   | 15.0   | 10.0   | 6.3    |
| 90°    | 42.6   | 27.1   | 25.1   | 17.5   | 9.7    |
| 92.5°  | 262.5  | 186.7  | 170.3  | 104.4  | 38.7   |
| 95°    | 645.8  | 363.7  | 333.6  | 213.2  | 92.8   |
| 97.5°  | 869.8  | 399.5  | 372.9  | 266.8  | 160.6  |
| 100°   | 951.4  | 429.5  | 405.4  | 309.1  | 212.8  |
| 102.5° | 988.8  | 459.4  | 436.9  | 347.1  | 257.2  |
| 105°   | 1016.5 | 503.9  | 484.8  | 408.8  | 332.7  |
| 107.5° | 1021.6 | 569.6  | 551.9  | 481.0  | 410.1  |
| 110°   | 1014.0 | 606.4  | 590.5  | 526.4  | 462.3  |

TEST NUMBER: P935508

CATALOG NUMBER: SQ4-FA-125U-050D-B50-1D-UNV-W2A-W-8

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 1014.2 | 650.9  | 635.7  | 574.6  | 513.6  |
| 115°   | 1023.6 | 717.6  | 703.5  | 647.3  | 590.9  |
| 117.5° | 1042.6 | 782.4  | 769.6  | 718.5  | 667.3  |
| 120°   | 1058.0 | 820.1  | 808.1  | 760.0  | 711.8  |
| 122.5° | 1080.3 | 864.6  | 852.5  | 803.9  | 755.3  |
| 125°   | 1110.2 | 921.7  | 910.6  | 866.4  | 822.1  |
| 127.5° | 1140.3 | 976.9  | 965.7  | 921.0  | 876.3  |
| 130°   | 1162.2 | 1013.6 | 1001.5 | 953.4  | 905.2  |
| 132.5° | 1179.9 | 1043.6 | 1031.5 | 983.4  | 935.2  |
| 135°   | 1199.3 | 1078.4 | 1067.5 | 1023.6 | 979.8  |
| 137.5° | 1228.3 | 1122.9 | 1112.0 | 1068.6 | 1025.2 |
| 140°   | 1246.0 | 1152.8 | 1142.8 | 1102.9 | 1062.9 |
| 142.5° | 1260.8 | 1175.1 | 1165.8 | 1128.9 | 1091.9 |
| 145°   | 1280.2 | 1209.0 | 1200.9 | 1168.6 | 1136.4 |
| 147.5° | 1308.6 | 1251.6 | 1243.7 | 1212.3 | 1180.9 |
| 150°   | 1323.4 | 1273.8 | 1266.7 | 1238.3 | 1209.9 |
| 152.5° | 1333.1 | 1288.3 | 1282.8 | 1261.4 | 1239.9 |
| 155°   | 1354.4 | 1320.2 | 1316.2 | 1300.3 | 1284.4 |
| 157.5° | 1375.6 | 1352.1 | 1348.2 | 1332.7 | 1317.3 |
| 160°   | 1385.3 | 1366.6 | 1363.6 | 1351.6 | 1339.5 |
| 162.5° | 1395.6 | 1382.0 | 1379.8 | 1370.7 | 1361.8 |
| 165°   | 1410.4 | 1404.4 | 1402.3 | 1394.2 | 1386.0 |
| 167.5° | 1422.0 | 1416.9 | 1415.9 | 1412.0 | 1408.2 |
| 170°   | 1431.7 | 1431.4 | 1430.5 | 1426.6 | 1422.7 |
| 172.5° | 1432.4 | 1432.4 | 1432.2 | 1431.3 | 1430.4 |
| 175°   | 1438.2 | 1441.1 | 1441.1 | 1441.1 | 1441.1 |
| 177.5° | 1438.8 | 1441.1 | 1441.1 | 1441.1 | 1441.1 |
| 180°   | 1441.1 | 1441.1 | 1441.1 | 1441.1 | 1441.1 |

(END OF REPORT)