

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: NEO-RAY

Report Number: P1000612

Luminaire Tested: SA4XXDIP-B1020D1205UB40-4F0-XX-W2A-A1

Issue Date: 5/6/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1000612  
REPORT IS A COMBINATION OF REPORTS P995222 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: SA4XXDIP-B1020D1205UB40-4F0-XX-W2A-A1  
Description: Define 4 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}  
Light Source: -  
Ballast/Driver: -

**Summary**

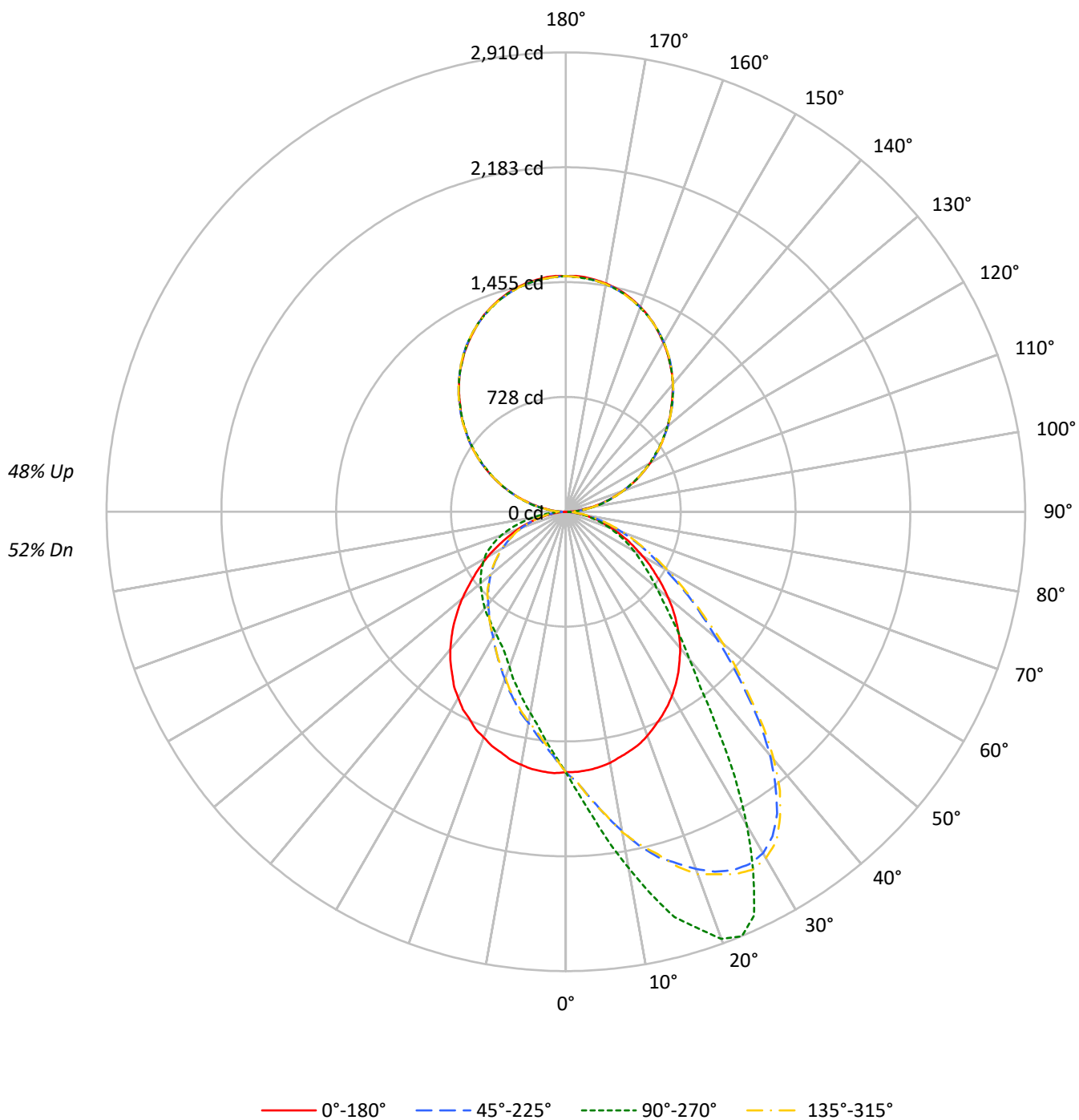
Lumens per Lamp: N/A  
Luminaire Lumens: 8696.0 lumens  
Efficiency: N/A  
Efficacy: 106.3 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 81.8  
Input Voltage (V):  
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: P1000612

CATALOG NUMBER: SA4XXDIP-B1020D1205UB40-4F0-XX-W2A-A1

### Luminous Intensity Polar Plot



TEST NUMBER: P1000612

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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   | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 85 | 85 | 85 | 71 | 71 | 71 | 58 | 58 | 58 |
| 1   | 99  | 94  | 90  | 87  | 91  | 87  | 84  | 81  | 75 | 72 | 70 | 63 | 61 | 60 | 52 | 51 | 50 |
| 2   | 90  | 83  | 77  | 71  | 83  | 77  | 71  | 67  | 66 | 62 | 58 | 55 | 53 | 50 | 46 | 44 | 42 |
| 3   | 82  | 73  | 66  | 60  | 76  | 68  | 61  | 56  | 58 | 53 | 49 | 49 | 46 | 43 | 41 | 38 | 36 |
| 4   | 75  | 65  | 57  | 51  | 69  | 60  | 53  | 48  | 52 | 46 | 42 | 44 | 40 | 37 | 37 | 34 | 31 |
| 5   | 69  | 58  | 50  | 44  | 64  | 54  | 47  | 41  | 46 | 41 | 37 | 40 | 35 | 32 | 33 | 30 | 27 |
| 6   | 64  | 52  | 44  | 38  | 59  | 48  | 41  | 36  | 42 | 36 | 32 | 36 | 31 | 28 | 30 | 27 | 24 |
| 7   | 59  | 47  | 39  | 33  | 55  | 44  | 37  | 32  | 38 | 32 | 28 | 33 | 28 | 25 | 28 | 24 | 22 |
| 8   | 55  | 43  | 35  | 30  | 51  | 40  | 33  | 28  | 35 | 29 | 25 | 30 | 26 | 22 | 25 | 22 | 19 |
| 9   | 51  | 39  | 31  | 26  | 47  | 37  | 30  | 25  | 32 | 26 | 23 | 28 | 23 | 20 | 23 | 20 | 18 |
| 10  | 48  | 36  | 29  | 24  | 44  | 34  | 27  | 23  | 29 | 24 | 20 | 25 | 21 | 18 | 22 | 18 | 16 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 13449 | 13449 | 13449 | 13449 |
| 5°  | 13415 | 15429 | 13493 | 11594 |
| 10° | 13315 | 18001 | 13416 | 10171 |
| 15° | 13154 | 20752 | 13246 | 9100  |
| 20° | 12984 | 22502 | 13078 | 8159  |
| 25° | 12736 | 22244 | 12858 | 7465  |
| 30° | 12493 | 18386 | 12645 | 7107  |
| 35° | 12152 | 13701 | 12285 | 6890  |
| 40° | 11753 | 10321 | 11867 | 6784  |
| 45° | 11145 | 8284  | 11284 | 6639  |
| 50° | 10419 | 6979  | 10571 | 6572  |
| 55° | 9566  | 6075  | 9716  | 6494  |
| 60° | 8737  | 5349  | 8993  | 6386  |
| 65° | 7957  | 4602  | 8032  | 6120  |
| 70° | 7041  | 3786  | 7195  | 5636  |
| 75° | 6144  | 2910  | 6104  | 4788  |
| 80° | 4833  | 1912  | 4775  | 3634  |
| 85° | 3180  | 859   | 2984  | 2119  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 17390 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 160.5  | 1.8       |
| 10°-20°   | 495.4  | 5.7       |
| 20°-30°   | 787.1  | 9.1       |
| 30°-40°   | 874.6  | 10.1      |
| 40°-50°   | 795.3  | 9.1       |
| 50°-60°   | 649.9  | 7.5       |
| 60°-70°   | 463.9  | 5.3       |
| 70°-80°   | 255.3  | 2.9       |
| 80°-90°   | 72.2   | 0.8       |
| 90°-100°  | 97.3   | 1.1       |
| 100°-110° | 291.4  | 3.4       |
| 110°-120° | 495.1  | 5.7       |
| 120°-130° | 652.9  | 7.5       |
| 130°-140° | 733.4  | 8.4       |
| 140°-150° | 720.8  | 8.3       |
| 150°-160° | 606.2  | 7.0       |
| 160°-170° | 403.4  | 4.6       |
| 170°-180° | 141.2  | 1.6       |
| 0°-30°    | 1443.0 | 16.6      |
| 0°-40°    | 2317.6 | 26.7      |
| 0°-60°    | 3762.8 | 43.3      |
| 0°-90°    | 4554.2 | 52.4      |
| 90°-120°  | 883.8  | 10.2      |
| 90°-150°  | 2990.9 | 34.4      |
| 90°-180°  | 4142.0 | 47.6      |
| 0°-180°   | 8696.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1649 | 1649 | 1649 | 1649 | 1649 |      |
| 5°   | 1642 | 1935 | 1652 | 1454 | 1642 | 156  |
| 15°  | 1569 | 2658 | 1580 | 1166 | 1569 | 443  |
| 25°  | 1432 | 2822 | 1446 | 947  | 1432 | 660  |
| 35°  | 1242 | 1668 | 1256 | 839  | 1242 | 776  |
| 45°  | 991  | 936  | 1003 | 750  | 991  | 764  |
| 55°  | 697  | 612  | 708  | 654  | 697  | 627  |
| 65°  | 434  | 394  | 439  | 523  | 434  | 429  |
| 75°  | 213  | 197  | 212  | 324  | 213  | 224  |
| 85°  | 44   | 41   | 41   | 101  | 44   | 51   |
| 90°  | 4    | 35   | 4    | 35   | 4    | 8    |
| 95°  | 69   | 91   | 69   | 91   | 69   | 75   |
| 105° | 269  | 282  | 269  | 282  | 269  | 285  |
| 115° | 503  | 499  | 503  | 499  | 503  | 496  |
| 125° | 733  | 727  | 733  | 727  | 733  | 653  |
| 135° | 946  | 947  | 946  | 947  | 946  | 731  |
| 145° | 1149 | 1150 | 1149 | 1150 | 1149 | 719  |
| 155° | 1316 | 1315 | 1316 | 1315 | 1316 | 606  |
| 165° | 1433 | 1429 | 1433 | 1429 | 1433 | 404  |
| 175° | 1490 | 1484 | 1490 | 1484 | 1490 | 142  |
| 180° | 1493 | 1493 | 1493 | 1493 | 1493 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 |
| 2.5°   | 1649.3 | 1665.7 | 1672.5 | 1677.9 | 1695.7 | 1701.2 | 1702.5 | 1710.7 | 1717.6 | 1718.9 | 1718.9 |
| 5°     | 1642.4 | 1668.4 | 1688.9 | 1708.0 | 1736.7 | 1749.0 | 1764.0 | 1780.4 | 1802.3 | 1816.0 | 1822.8 |
| 7.5°   | 1631.5 | 1669.8 | 1701.2 | 1734.0 | 1773.6 | 1798.2 | 1811.9 | 1855.6 | 1885.6 | 1910.2 | 1940.3 |
| 10°    | 1615.1 | 1664.3 | 1709.4 | 1757.2 | 1813.2 | 1843.3 | 1873.3 | 1926.6 | 1969.0 | 2016.8 | 2055.1 |
| 12.5°  | 1590.5 | 1654.7 | 1709.4 | 1776.3 | 1846.0 | 1881.5 | 1917.1 | 2010.0 | 2059.2 | 2101.5 | 2169.9 |
| 15°    | 1568.6 | 1632.9 | 1710.7 | 1779.1 | 1865.1 | 1918.4 | 1970.4 | 2030.5 | 2108.4 | 2199.9 | 2265.5 |
| 17.5°  | 1544.0 | 1624.7 | 1697.1 | 1792.7 | 1888.4 | 1938.9 | 1981.3 | 2074.2 | 2183.5 | 2273.7 | 2333.8 |
| 20°    | 1509.9 | 1591.9 | 1687.5 | 1788.6 | 1902.0 | 1941.7 | 1997.7 | 2122.0 | 2220.4 | 2309.2 | 2407.6 |
| 22.5°  | 1470.3 | 1565.9 | 1667.0 | 1764.0 | 1881.5 | 1964.9 | 2026.4 | 2135.7 | 2254.6 | 2357.1 | 2467.7 |
| 25°    | 1432.0 | 1535.8 | 1624.7 | 1757.2 | 1881.5 | 1937.6 | 2007.3 | 2137.1 | 2266.9 | 2391.2 | 2504.6 |
| 27.5°  | 1391.0 | 1488.0 | 1608.3 | 1713.5 | 1854.2 | 1915.7 | 1990.9 | 2133.0 | 2271.0 | 2395.3 | 2516.9 |
| 30°    | 1345.9 | 1449.8 | 1549.5 | 1673.9 | 1810.5 | 1889.7 | 1959.4 | 2113.8 | 2254.6 | 2384.4 | 2497.8 |
| 32.5°  | 1295.4 | 1393.7 | 1500.3 | 1617.8 | 1761.3 | 1841.9 | 1929.4 | 2087.9 | 2238.2 | 2350.2 | 2437.7 |
| 35°    | 1242.1 | 1341.8 | 1434.7 | 1555.0 | 1702.5 | 1783.2 | 1867.9 | 2042.8 | 2191.7 | 2283.3 | 2333.8 |
| 37.5°  | 1183.3 | 1277.6 | 1369.1 | 1488.0 | 1635.6 | 1721.7 | 1807.8 | 1977.2 | 2117.9 | 2194.5 | 2180.8 |
| 40°    | 1127.3 | 1212.0 | 1296.7 | 1408.8 | 1563.2 | 1654.7 | 1729.9 | 1900.7 | 2023.7 | 2056.4 | 2011.4 |
| 42.5°  | 1063.1 | 1135.5 | 1217.5 | 1332.2 | 1482.6 | 1568.6 | 1662.9 | 1818.7 | 1910.2 | 1896.6 | 1820.1 |
| 45°    | 990.6  | 1054.9 | 1136.9 | 1244.8 | 1397.8 | 1486.7 | 1565.9 | 1713.5 | 1780.4 | 1746.3 | 1606.9 |
| 47.5°  | 921.0  | 983.8  | 1050.8 | 1158.7 | 1307.7 | 1382.8 | 1463.4 | 1596.0 | 1634.2 | 1561.8 | 1422.4 |
| 50°    | 845.8  | 897.7  | 967.4  | 1069.9 | 1209.3 | 1288.5 | 1355.5 | 1462.1 | 1475.7 | 1386.9 | 1242.1 |
| 52.5°  | 773.4  | 817.1  | 884.1  | 985.2  | 1115.0 | 1177.8 | 1243.4 | 1337.7 | 1326.8 | 1235.2 | 1095.9 |
| 55°    | 696.9  | 737.9  | 799.3  | 892.3  | 1007.0 | 1067.2 | 1123.2 | 1206.5 | 1183.3 | 1089.0 | 967.4  |
| 57.5°  | 632.6  | 661.3  | 721.5  | 807.5  | 901.8  | 967.4  | 1015.2 | 1080.8 | 1045.3 | 951.0  | 837.6  |
| 60°    | 558.9  | 594.4  | 644.9  | 714.6  | 807.5  | 851.3  | 893.6  | 937.4  | 912.8  | 822.6  | 721.5  |
| 62.5°  | 491.9  | 519.2  | 563.0  | 629.9  | 702.3  | 742.0  | 787.1  | 814.4  | 789.8  | 706.4  | 621.7  |
| 65°    | 434.5  | 456.4  | 490.5  | 545.2  | 614.9  | 647.7  | 673.6  | 699.6  | 679.1  | 601.2  | 539.7  |
| 67.5°  | 371.7  | 390.8  | 419.5  | 463.2  | 522.0  | 545.2  | 569.8  | 587.6  | 564.3  | 512.4  | 452.3  |
| 70°    | 315.6  | 329.3  | 356.6  | 389.4  | 430.4  | 452.3  | 472.8  | 490.5  | 470.0  | 426.3  | 381.2  |
| 72.5°  | 258.3  | 269.2  | 293.8  | 317.0  | 353.9  | 368.9  | 384.0  | 397.6  | 390.8  | 349.8  | 312.9  |
| 75°    | 213.2  | 217.3  | 233.7  | 252.8  | 276.0  | 292.4  | 303.3  | 311.5  | 306.1  | 273.3  | 250.1  |
| 77.5°  | 161.2  | 166.7  | 179.0  | 194.0  | 214.5  | 224.1  | 230.9  | 239.1  | 232.3  | 206.3  | 189.9  |
| 80°    | 117.5  | 118.9  | 125.7  | 139.4  | 153.0  | 154.4  | 161.2  | 172.2  | 168.1  | 150.3  | 138.0  |
| 82.5°  | 75.2   | 79.3   | 82.0   | 90.2   | 99.7   | 102.5  | 106.6  | 109.3  | 107.9  | 97.0   | 92.9   |
| 85°    | 43.7   | 43.7   | 46.5   | 51.9   | 54.7   | 58.8   | 60.1   | 61.5   | 64.2   | 57.4   | 53.3   |
| 87.5°  | 19.1   | 20.5   | 20.5   | 21.9   | 24.6   | 24.6   | 26.0   | 27.3   | 28.7   | 27.3   | 23.2   |
| 90°    | 3.5    | 6.3    | 9.1    | 12.0   | 14.8   | 16.2   | 17.2   | 19.3   | 21.3   | 23.4   | 25.4   |
| 92.5°  | 30.0   | 33.3   | 36.7   | 40.0   | 43.3   | 45.0   | 45.6   | 46.9   | 48.2   | 49.5   | 50.8   |
| 95°    | 69.3   | 71.6   | 73.9   | 76.2   | 78.5   | 79.7   | 80.6   | 82.4   | 84.1   | 85.9   | 87.7   |
| 97.5°  | 110.8  | 112.9  | 114.9  | 117.0  | 119.1  | 120.1  | 121.1  | 123.2  | 125.2  | 127.3  | 129.3  |
| 100°   | 161.6  | 162.6  | 163.6  | 164.7  | 165.7  | 166.2  | 167.4  | 169.7  | 172.0  | 174.3  | 176.6  |
| 102.5° | 214.7  | 215.0  | 215.2  | 215.5  | 215.8  | 215.9  | 216.9  | 219.0  | 221.0  | 223.1  | 225.1  |
| 105°   | 269.0  | 269.2  | 269.5  | 269.7  | 270.0  | 270.1  | 270.6  | 271.7  | 272.7  | 273.8  | 274.8  |
| 107.5° | 325.6  | 325.8  | 326.1  | 326.3  | 326.6  | 326.7  | 326.8  | 327.1  | 327.4  | 327.6  | 327.9  |
| 110°   | 383.3  | 383.8  | 384.3  | 384.8  | 385.3  | 385.6  | 385.5  | 385.2  | 384.9  | 384.7  | 384.4  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 443.3  | 443.3  | 443.3  | 443.3  | 443.3  | 443.3  | 443.0  | 442.5  | 442.0  | 441.5  | 441.0  |
| 115°   | 503.4  | 503.4  | 503.4  | 503.4  | 503.4  | 503.4  | 503.1  | 502.6  | 502.1  | 501.5  | 501.0  |
| 117.5° | 559.9  | 559.9  | 559.9  | 559.9  | 559.9  | 559.9  | 559.8  | 559.5  | 559.3  | 559.0  | 558.8  |
| 120°   | 616.5  | 617.5  | 618.5  | 619.6  | 620.6  | 621.1  | 620.7  | 619.9  | 619.2  | 618.4  | 617.6  |
| 122.5° | 675.4  | 675.6  | 675.9  | 676.1  | 676.4  | 676.5  | 676.4  | 676.1  | 675.9  | 675.6  | 675.4  |
| 125°   | 733.1  | 733.1  | 733.1  | 733.1  | 733.1  | 733.1  | 733.0  | 732.7  | 732.4  | 732.2  | 731.9  |
| 127.5° | 785.0  | 785.8  | 786.6  | 787.3  | 788.1  | 788.5  | 788.2  | 787.7  | 787.2  | 786.7  | 786.2  |
| 130°   | 840.5  | 841.3  | 842.0  | 842.8  | 843.5  | 843.9  | 843.9  | 843.9  | 843.9  | 843.9  | 843.9  |
| 132.5° | 897.0  | 897.5  | 898.0  | 898.5  | 899.0  | 899.3  | 899.2  | 898.9  | 898.7  | 898.4  | 898.2  |
| 135°   | 945.5  | 947.0  | 948.6  | 950.1  | 951.6  | 952.4  | 952.4  | 952.4  | 952.4  | 952.4  | 952.4  |
| 137.5° | 999.8  | 1000.6 | 1001.3 | 1002.1 | 1002.8 | 1003.2 | 1003.5 | 1004.0 | 1004.5 | 1005.1 | 1005.6 |
| 140°   | 1054.0 | 1054.5 | 1055.0 | 1055.5 | 1056.0 | 1056.3 | 1056.3 | 1056.3 | 1056.3 | 1056.3 | 1056.3 |
| 142.5° | 1103.7 | 1104.2 | 1104.7 | 1105.2 | 1105.7 | 1106.0 | 1105.9 | 1105.6 | 1105.3 | 1105.1 | 1104.8 |
| 145°   | 1148.7 | 1149.7 | 1150.7 | 1151.8 | 1152.8 | 1153.3 | 1153.4 | 1153.7 | 1154.0 | 1154.2 | 1154.5 |
| 147.5° | 1194.9 | 1196.2 | 1197.5 | 1198.8 | 1200.1 | 1200.7 | 1200.6 | 1200.3 | 1200.0 | 1199.8 | 1199.5 |
| 150°   | 1236.4 | 1237.4 | 1238.5 | 1239.5 | 1240.6 | 1241.1 | 1241.1 | 1241.1 | 1241.1 | 1241.1 | 1241.1 |
| 152.5° | 1275.7 | 1276.2 | 1276.7 | 1277.2 | 1277.7 | 1278.0 | 1278.1 | 1278.4 | 1278.7 | 1278.9 | 1279.2 |
| 155°   | 1316.1 | 1316.1 | 1316.1 | 1316.1 | 1316.1 | 1316.1 | 1316.0 | 1315.7 | 1315.5 | 1315.2 | 1315.0 |
| 157.5° | 1350.7 | 1350.2 | 1349.7 | 1349.2 | 1348.7 | 1348.4 | 1348.4 | 1348.4 | 1348.4 | 1348.4 | 1348.4 |
| 160°   | 1380.8 | 1380.5 | 1380.3 | 1380.0 | 1379.7 | 1379.6 | 1379.5 | 1379.2 | 1378.9 | 1378.7 | 1378.4 |
| 162.5° | 1408.5 | 1407.7 | 1406.9 | 1406.2 | 1405.4 | 1405.0 | 1404.9 | 1404.6 | 1404.3 | 1404.1 | 1403.8 |
| 165°   | 1432.7 | 1431.9 | 1431.1 | 1430.4 | 1429.6 | 1429.2 | 1428.9 | 1428.4 | 1427.9 | 1427.4 | 1426.9 |
| 167.5° | 1452.3 | 1451.3 | 1450.3 | 1449.2 | 1448.2 | 1447.7 | 1447.7 | 1447.7 | 1447.7 | 1447.7 | 1447.7 |
| 170°   | 1468.5 | 1467.2 | 1465.9 | 1464.6 | 1463.3 | 1462.7 | 1462.8 | 1463.1 | 1463.4 | 1463.6 | 1463.9 |
| 172.5° | 1480.0 | 1479.0 | 1478.0 | 1476.9 | 1475.9 | 1475.4 | 1475.4 | 1475.4 | 1475.4 | 1475.4 | 1475.4 |
| 175°   | 1490.4 | 1489.1 | 1487.9 | 1486.6 | 1485.3 | 1484.7 | 1484.6 | 1484.3 | 1484.0 | 1483.8 | 1483.5 |
| 177.5° | 1495.1 | 1493.8 | 1492.5 | 1491.2 | 1489.9 | 1489.3 | 1489.3 | 1489.3 | 1489.3 | 1489.3 | 1489.3 |
| 180°   | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 |
| 2.5°   | 1723.0 | 1747.6 | 1758.6 | 1761.3 | 1776.3 | 1766.8 | 1770.9 | 1769.5 | 1780.4 | 1781.8 | 1781.8 |
| 5°     | 1848.8 | 1877.4 | 1887.0 | 1900.7 | 1921.2 | 1926.6 | 1922.5 | 1930.7 | 1945.8 | 1934.8 | 1951.2 |
| 7.5°   | 1981.3 | 2012.7 | 2034.6 | 2064.6 | 2071.5 | 2089.2 | 2100.2 | 2109.7 | 2112.5 | 2113.8 | 2116.6 |
| 10°    | 2104.3 | 2143.9 | 2174.0 | 2224.5 | 2235.4 | 2245.0 | 2292.8 | 2273.7 | 2298.3 | 2290.1 | 2292.8 |
| 12.5°  | 2204.0 | 2281.9 | 2306.5 | 2391.2 | 2399.4 | 2432.2 | 2429.5 | 2459.5 | 2465.0 | 2475.9 | 2465.0 |
| 15°    | 2335.2 | 2425.4 | 2465.0 | 2512.8 | 2540.2 | 2578.4 | 2585.2 | 2626.2 | 2642.6 | 2657.7 | 2642.6 |
| 17.5°  | 2455.4 | 2503.3 | 2604.4 | 2642.6 | 2660.4 | 2680.9 | 2732.8 | 2747.8 | 2772.4 | 2762.9 | 2790.2 |
| 20°    | 2515.6 | 2583.9 | 2690.5 | 2756.0 | 2783.4 | 2802.5 | 2846.2 | 2869.5 | 2879.0 | 2879.0 | 2881.8 |
| 22.5°  | 2568.8 | 2667.2 | 2746.5 | 2821.6 | 2846.2 | 2859.9 | 2885.9 | 2903.6 | 2907.7 | 2910.4 | 2913.2 |
| 25°    | 2616.7 | 2705.5 | 2769.7 | 2812.1 | 2821.6 | 2821.6 | 2836.7 | 2825.7 | 2808.0 | 2821.6 | 2829.8 |
| 27.5°  | 2616.7 | 2679.5 | 2708.2 | 2723.3 | 2723.3 | 2686.4 | 2664.5 | 2619.4 | 2581.1 | 2570.2 | 2594.8 |
| 30°    | 2572.9 | 2601.6 | 2562.0 | 2525.1 | 2496.4 | 2471.8 | 2385.7 | 2317.4 | 2303.8 | 2294.2 | 2331.1 |
| 32.5°  | 2471.8 | 2434.9 | 2357.1 | 2250.5 | 2208.1 | 2152.1 | 2085.1 | 2033.2 | 2001.8 | 1990.9 | 1982.7 |
| 35°    | 2292.8 | 2197.2 | 2096.1 | 1952.6 | 1922.5 | 1851.5 | 1759.9 | 1721.7 | 1669.8 | 1668.4 | 1686.1 |
| 37.5°  | 2097.4 | 1949.9 | 1840.6 | 1703.9 | 1661.6 | 1586.4 | 1500.3 | 1460.7 | 1425.2 | 1397.8 | 1430.6 |
| 40°    | 1869.2 | 1740.8 | 1574.1 | 1462.1 | 1401.9 | 1362.3 | 1289.9 | 1246.2 | 1229.8 | 1216.1 | 1236.6 |
| 42.5°  | 1656.1 | 1515.3 | 1385.5 | 1270.8 | 1221.6 | 1176.5 | 1128.7 | 1086.3 | 1074.0 | 1072.6 | 1087.7 |
| 45°    | 1444.3 | 1306.3 | 1186.0 | 1087.7 | 1056.2 | 1028.9 | 982.4  | 970.1  | 949.7  | 936.0  | 942.8  |
| 47.5°  | 1274.9 | 1132.8 | 1033.0 | 957.9  | 930.5  | 907.3  | 877.2  | 856.7  | 839.0  | 833.5  | 841.7  |
| 50°    | 1108.2 | 1012.5 | 910.0  | 847.2  | 826.7  | 804.8  | 781.6  | 762.5  | 754.3  | 748.8  | 754.3  |
| 52.5°  | 974.2  | 871.8  | 802.1  | 751.5  | 731.0  | 714.6  | 698.2  | 690.0  | 679.1  | 681.8  | 687.3  |
| 55°    | 854.0  | 763.8  | 705.1  | 668.2  | 655.9  | 649.0  | 628.5  | 619.0  | 614.9  | 612.2  | 614.9  |
| 57.5°  | 740.6  | 675.0  | 631.3  | 599.9  | 583.5  | 579.4  | 563.0  | 563.0  | 558.9  | 554.8  | 556.1  |
| 60°    | 650.4  | 594.4  | 552.0  | 527.4  | 524.7  | 517.9  | 506.9  | 505.6  | 496.0  | 500.1  | 501.5  |
| 62.5°  | 558.9  | 513.8  | 485.1  | 470.0  | 460.5  | 457.7  | 450.9  | 449.5  | 445.4  | 446.8  | 444.1  |
| 65°    | 486.4  | 449.5  | 420.9  | 408.6  | 404.5  | 403.1  | 397.6  | 393.5  | 390.8  | 393.5  | 390.8  |
| 67.5°  | 414.0  | 389.4  | 367.6  | 355.3  | 349.8  | 348.4  | 344.3  | 341.6  | 343.0  | 338.9  | 341.6  |
| 70°    | 345.7  | 321.1  | 307.4  | 300.6  | 297.9  | 293.8  | 293.8  | 293.8  | 293.8  | 291.0  | 289.7  |
| 72.5°  | 291.0  | 266.4  | 256.9  | 252.8  | 250.1  | 248.7  | 244.6  | 246.0  | 244.6  | 243.2  | 248.7  |
| 75°    | 230.9  | 215.9  | 206.3  | 202.2  | 205.0  | 200.9  | 196.8  | 199.5  | 195.4  | 196.8  | 202.2  |
| 77.5°  | 174.9  | 168.1  | 162.6  | 159.9  | 157.1  | 154.4  | 154.4  | 151.7  | 151.7  | 151.7  | 151.7  |
| 80°    | 127.1  | 125.7  | 116.1  | 114.8  | 114.8  | 112.0  | 112.0  | 112.0  | 112.0  | 110.7  | 112.0  |
| 82.5°  | 84.7   | 83.4   | 80.6   | 79.3   | 76.5   | 77.9   | 77.9   | 75.2   | 75.2   | 73.8   | 75.2   |
| 85°    | 49.2   | 49.2   | 46.5   | 45.1   | 43.7   | 45.1   | 42.4   | 41.0   | 42.4   | 41.0   | 42.4   |
| 87.5°  | 23.2   | 20.5   | 21.9   | 20.5   | 17.8   | 19.1   | 16.4   | 17.8   | 16.4   | 15.0   | 17.8   |
| 90°    | 26.9   | 28.5   | 30.0   | 31.5   | 32.3   | 32.6   | 33.1   | 33.6   | 34.1   | 34.6   | 34.1   |
| 92.5°  | 51.6   | 52.4   | 53.1   | 53.9   | 54.3   | 54.4   | 54.7   | 54.9   | 55.2   | 55.4   | 55.2   |
| 95°    | 88.5   | 89.3   | 90.0   | 90.8   | 91.2   | 91.2   | 91.2   | 91.2   | 91.2   | 91.2   | 91.2   |
| 97.5°  | 130.3  | 131.3  | 132.4  | 133.4  | 133.9  | 133.9  | 133.9  | 133.9  | 133.9  | 133.9  | 133.9  |
| 100°   | 177.1  | 177.6  | 178.1  | 178.6  | 178.9  | 178.9  | 178.9  | 178.9  | 178.9  | 178.9  | 178.9  |
| 102.5° | 225.9  | 226.7  | 227.4  | 228.2  | 228.6  | 228.7  | 229.0  | 229.2  | 229.5  | 229.7  | 229.5  |
| 105°   | 275.6  | 276.3  | 277.1  | 277.8  | 278.2  | 278.6  | 279.4  | 280.1  | 280.9  | 281.7  | 280.9  |
| 107.5° | 328.9  | 329.9  | 331.0  | 332.0  | 332.5  | 332.4  | 332.1  | 331.8  | 331.6  | 331.3  | 331.6  |
| 110°   | 383.9  | 383.4  | 382.9  | 382.4  | 382.1  | 382.5  | 383.3  | 384.0  | 384.8  | 385.6  | 384.8  |



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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 441.0  | 441.0  | 441.0  | 441.0  | 441.0  | 441.0  | 441.0  | 441.0  | 441.0  | 441.0  | 441.0  |
| 115°   | 500.8  | 500.5  | 500.3  | 500.0  | 499.9  | 499.8  | 499.5  | 499.2  | 499.0  | 498.7  | 499.0  |
| 117.5° | 558.0  | 557.2  | 556.5  | 555.7  | 555.3  | 554.9  | 554.1  | 553.4  | 552.6  | 551.8  | 552.6  |
| 120°   | 616.3  | 615.1  | 613.8  | 612.5  | 611.9  | 612.2  | 612.7  | 613.2  | 613.7  | 614.2  | 613.7  |
| 122.5° | 674.6  | 673.8  | 673.1  | 672.3  | 671.9  | 671.3  | 670.0  | 668.7  | 667.4  | 666.1  | 667.4  |
| 125°   | 731.4  | 730.9  | 730.4  | 729.9  | 729.6  | 729.3  | 728.8  | 728.3  | 727.8  | 727.3  | 727.8  |
| 127.5° | 785.7  | 785.2  | 784.7  | 784.2  | 783.9  | 783.8  | 783.5  | 783.2  | 783.0  | 782.7  | 783.0  |
| 130°   | 843.4  | 842.9  | 842.4  | 841.9  | 841.6  | 841.1  | 840.1  | 839.0  | 838.0  | 837.0  | 838.0  |
| 132.5° | 897.7  | 897.2  | 896.7  | 896.2  | 895.9  | 895.8  | 895.5  | 895.2  | 895.0  | 894.7  | 895.0  |
| 135°   | 951.9  | 951.4  | 950.9  | 950.4  | 950.1  | 949.7  | 949.0  | 948.2  | 947.5  | 946.7  | 947.5  |
| 137.5° | 1004.8 | 1004.0 | 1003.3 | 1002.5 | 1002.1 | 1002.2 | 1002.5 | 1002.7 | 1003.0 | 1003.2 | 1003.0 |
| 140°   | 1056.1 | 1055.8 | 1055.6 | 1055.3 | 1055.2 | 1055.1 | 1054.8 | 1054.5 | 1054.3 | 1054.0 | 1054.3 |
| 142.5° | 1104.8 | 1104.8 | 1104.8 | 1104.8 | 1104.8 | 1104.8 | 1104.8 | 1104.8 | 1104.8 | 1104.8 | 1104.8 |
| 145°   | 1154.2 | 1154.0 | 1153.7 | 1153.4 | 1153.3 | 1152.9 | 1152.2 | 1151.4 | 1150.7 | 1149.9 | 1150.7 |
| 147.5° | 1199.2 | 1199.0 | 1198.7 | 1198.4 | 1198.3 | 1198.2 | 1197.9 | 1197.7 | 1197.4 | 1197.2 | 1197.4 |
| 150°   | 1241.1 | 1241.1 | 1241.1 | 1241.1 | 1241.1 | 1241.0 | 1240.7 | 1240.4 | 1240.2 | 1239.9 | 1240.2 |
| 152.5° | 1280.0 | 1280.7 | 1281.5 | 1282.2 | 1282.6 | 1282.2 | 1281.5 | 1280.7 | 1280.0 | 1279.2 | 1280.0 |
| 155°   | 1316.0 | 1317.0 | 1318.1 | 1319.1 | 1319.6 | 1319.1 | 1318.1 | 1317.0 | 1316.0 | 1315.0 | 1316.0 |
| 157.5° | 1349.2 | 1350.0 | 1350.7 | 1351.5 | 1351.9 | 1351.5 | 1350.7 | 1350.0 | 1349.2 | 1348.4 | 1349.2 |
| 160°   | 1379.2 | 1380.0 | 1380.7 | 1381.5 | 1381.9 | 1381.3 | 1380.0 | 1378.7 | 1377.4 | 1376.1 | 1377.4 |
| 162.5° | 1405.4 | 1406.9 | 1408.5 | 1410.0 | 1410.8 | 1410.2 | 1408.9 | 1407.6 | 1406.3 | 1405.0 | 1406.3 |
| 165°   | 1428.5 | 1430.0 | 1431.6 | 1433.1 | 1433.9 | 1433.4 | 1432.3 | 1431.3 | 1430.2 | 1429.2 | 1430.2 |
| 167.5° | 1449.2 | 1450.8 | 1452.3 | 1453.8 | 1454.6 | 1453.8 | 1452.3 | 1450.8 | 1449.2 | 1447.7 | 1449.2 |
| 170°   | 1465.4 | 1467.0 | 1468.5 | 1470.0 | 1470.8 | 1469.9 | 1468.1 | 1466.3 | 1464.5 | 1462.7 | 1464.5 |
| 172.5° | 1477.2 | 1479.0 | 1480.8 | 1482.6 | 1483.5 | 1482.6 | 1480.8 | 1479.0 | 1477.2 | 1475.4 | 1477.2 |
| 175°   | 1485.3 | 1487.1 | 1488.9 | 1490.7 | 1491.6 | 1490.7 | 1488.9 | 1487.1 | 1485.3 | 1483.5 | 1485.3 |
| 177.5° | 1491.1 | 1492.9 | 1494.7 | 1496.5 | 1497.4 | 1496.4 | 1494.3 | 1492.2 | 1490.2 | 1488.1 | 1490.2 |
| 180°   | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 |

TEST NUMBER: P1000612

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**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 |
| 2.5°   | 1779.1 | 1775.0 | 1769.5 | 1769.5 | 1762.7 | 1762.7 | 1751.7 | 1732.6 | 1716.2 | 1710.7 | 1713.5 |
| 5°     | 1930.7 | 1932.1 | 1923.9 | 1917.1 | 1904.8 | 1895.2 | 1877.4 | 1843.3 | 1832.4 | 1810.5 | 1795.5 |
| 7.5°   | 2104.3 | 2098.8 | 2083.8 | 2072.8 | 2070.1 | 2048.2 | 2010.0 | 1969.0 | 1936.2 | 1914.3 | 1882.9 |
| 10°    | 2299.7 | 2277.8 | 2255.9 | 2249.1 | 2232.7 | 2195.8 | 2152.1 | 2107.0 | 2061.9 | 2014.1 | 1960.8 |
| 12.5°  | 2463.6 | 2421.3 | 2419.9 | 2403.5 | 2372.1 | 2351.6 | 2299.7 | 2235.4 | 2157.6 | 2104.3 | 2044.1 |
| 15°    | 2639.9 | 2600.3 | 2567.5 | 2537.4 | 2522.4 | 2462.3 | 2418.5 | 2337.9 | 2245.0 | 2187.6 | 2146.6 |
| 17.5°  | 2765.6 | 2747.8 | 2691.8 | 2678.2 | 2657.7 | 2588.0 | 2518.3 | 2439.0 | 2358.4 | 2277.8 | 2167.1 |
| 20°    | 2866.7 | 2855.8 | 2818.9 | 2799.8 | 2767.0 | 2712.3 | 2627.6 | 2536.1 | 2443.1 | 2328.4 | 2224.5 |
| 22.5°  | 2910.4 | 2896.8 | 2866.7 | 2850.3 | 2829.8 | 2783.4 | 2711.0 | 2607.1 | 2485.5 | 2383.0 | 2272.3 |
| 25°    | 2824.4 | 2849.0 | 2840.8 | 2833.9 | 2825.7 | 2798.4 | 2743.7 | 2652.2 | 2533.3 | 2417.2 | 2279.2 |
| 27.5°  | 2630.3 | 2672.7 | 2713.7 | 2719.2 | 2732.8 | 2743.7 | 2721.9 | 2656.3 | 2556.6 | 2433.6 | 2281.9 |
| 30°    | 2369.4 | 2388.5 | 2471.8 | 2496.4 | 2515.6 | 2585.2 | 2626.2 | 2609.8 | 2533.3 | 2422.6 | 2283.3 |
| 32.5°  | 2034.6 | 2085.1 | 2169.9 | 2228.6 | 2280.5 | 2358.4 | 2465.0 | 2507.4 | 2480.0 | 2389.8 | 2251.8 |
| 35°    | 1717.6 | 1777.7 | 1876.1 | 1951.2 | 2003.2 | 2113.8 | 2239.5 | 2331.1 | 2365.3 | 2320.2 | 2197.2 |
| 37.5°  | 1458.0 | 1530.4 | 1617.8 | 1646.5 | 1706.6 | 1843.3 | 2016.8 | 2143.9 | 2227.2 | 2231.3 | 2135.7 |
| 40°    | 1262.6 | 1299.5 | 1369.1 | 1412.9 | 1471.6 | 1586.4 | 1755.8 | 1923.9 | 2049.6 | 2092.0 | 2041.4 |
| 42.5°  | 1097.2 | 1125.9 | 1177.8 | 1231.1 | 1284.4 | 1371.9 | 1527.6 | 1684.8 | 1854.2 | 1938.9 | 1937.6 |
| 45°    | 966.1  | 996.1  | 1031.6 | 1075.4 | 1112.3 | 1206.5 | 1329.5 | 1490.8 | 1637.0 | 1768.1 | 1800.9 |
| 47.5°  | 851.3  | 877.2  | 921.0  | 940.1  | 964.7  | 1053.5 | 1160.1 | 1310.4 | 1462.1 | 1612.4 | 1650.6 |
| 50°    | 766.6  | 788.4  | 818.5  | 830.8  | 858.1  | 923.7  | 1011.1 | 1132.8 | 1300.8 | 1438.8 | 1509.9 |
| 52.5°  | 690.0  | 706.4  | 729.7  | 739.2  | 758.4  | 807.5  | 886.8  | 982.4  | 1121.8 | 1263.9 | 1363.7 |
| 55°    | 624.4  | 635.4  | 651.8  | 662.7  | 676.4  | 720.1  | 778.9  | 864.9  | 985.2  | 1108.2 | 1205.2 |
| 57.5°  | 563.0  | 571.2  | 587.6  | 593.0  | 604.0  | 638.1  | 679.1  | 751.5  | 862.2  | 971.5  | 1065.8 |
| 60°    | 505.6  | 511.0  | 520.6  | 532.9  | 541.1  | 564.3  | 602.6  | 662.7  | 751.5  | 851.3  | 927.8  |
| 62.5°  | 450.9  | 459.1  | 461.8  | 467.3  | 474.1  | 496.0  | 526.1  | 569.8  | 647.7  | 729.7  | 810.3  |
| 65°    | 394.9  | 401.7  | 407.2  | 408.6  | 415.4  | 431.8  | 459.1  | 497.4  | 547.9  | 619.0  | 694.1  |
| 67.5°  | 343.0  | 347.1  | 349.8  | 355.3  | 362.1  | 370.3  | 392.2  | 420.9  | 467.3  | 524.7  | 584.8  |
| 70°    | 295.1  | 295.1  | 299.2  | 300.6  | 308.8  | 318.4  | 327.9  | 355.3  | 396.3  | 442.7  | 483.7  |
| 72.5°  | 243.2  | 250.1  | 248.7  | 255.5  | 254.2  | 261.0  | 273.3  | 291.0  | 321.1  | 358.0  | 397.6  |
| 75°    | 198.1  | 202.2  | 202.2  | 202.2  | 205.0  | 210.4  | 217.3  | 233.7  | 256.9  | 286.9  | 310.2  |
| 77.5°  | 154.4  | 157.1  | 157.1  | 157.1  | 158.5  | 164.0  | 170.8  | 181.7  | 198.1  | 215.9  | 229.6  |
| 80°    | 110.7  | 113.4  | 113.4  | 116.1  | 116.1  | 117.5  | 124.3  | 129.8  | 138.0  | 151.7  | 165.3  |
| 82.5°  | 75.2   | 76.5   | 79.3   | 79.3   | 77.9   | 80.6   | 82.0   | 87.5   | 95.6   | 98.4   | 107.9  |
| 85°    | 41.0   | 42.4   | 43.7   | 43.7   | 45.1   | 47.8   | 46.5   | 51.9   | 51.9   | 57.4   | 60.1   |
| 87.5°  | 16.4   | 19.1   | 19.1   | 17.8   | 19.1   | 19.1   | 19.1   | 21.9   | 23.2   | 24.6   | 23.2   |
| 90°    | 33.6   | 33.1   | 32.6   | 32.3   | 31.5   | 30.0   | 28.5   | 26.9   | 25.4   | 23.4   | 21.3   |
| 92.5°  | 54.9   | 54.7   | 54.4   | 54.3   | 53.9   | 53.1   | 52.4   | 51.6   | 50.8   | 49.5   | 48.2   |
| 95°    | 91.2   | 91.2   | 91.2   | 91.2   | 90.8   | 90.0   | 89.3   | 88.5   | 87.7   | 85.9   | 84.1   |
| 97.5°  | 133.9  | 133.9  | 133.9  | 133.9  | 133.4  | 132.4  | 131.3  | 130.3  | 129.3  | 127.3  | 125.2  |
| 100°   | 178.9  | 178.9  | 178.9  | 178.9  | 178.6  | 178.1  | 177.6  | 177.1  | 176.6  | 174.3  | 172.0  |
| 102.5° | 229.2  | 229.0  | 228.7  | 228.6  | 228.2  | 227.4  | 226.7  | 225.9  | 225.1  | 223.1  | 221.0  |
| 105°   | 280.1  | 279.4  | 278.6  | 278.2  | 277.8  | 277.1  | 276.3  | 275.6  | 274.8  | 273.8  | 272.7  |
| 107.5° | 331.8  | 332.1  | 332.4  | 332.5  | 332.0  | 331.0  | 329.9  | 328.9  | 327.9  | 327.6  | 327.4  |
| 110°   | 384.0  | 383.3  | 382.5  | 382.1  | 382.4  | 382.9  | 383.4  | 383.9  | 384.4  | 384.7  | 384.9  |

TEST NUMBER: P1000612

CATALOG NUMBER: SA4XXDIP-B1020D1205UB40-4F0-XX-W2A-A1

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 441.0  | 441.0  | 441.0  | 441.0  | 441.0  | 441.0  | 441.0  | 441.0  | 441.0  | 441.5  | 442.0  |
| 115°   | 499.2  | 499.5  | 499.8  | 499.9  | 500.0  | 500.3  | 500.5  | 500.8  | 501.0  | 501.5  | 502.1  |
| 117.5° | 553.4  | 554.1  | 554.9  | 555.3  | 555.7  | 556.5  | 557.2  | 558.0  | 558.8  | 559.0  | 559.3  |
| 120°   | 613.2  | 612.7  | 612.2  | 611.9  | 612.5  | 613.8  | 615.1  | 616.3  | 617.6  | 618.4  | 619.2  |
| 122.5° | 668.7  | 670.0  | 671.3  | 671.9  | 672.3  | 673.1  | 673.8  | 674.6  | 675.4  | 675.6  | 675.9  |
| 125°   | 728.3  | 728.8  | 729.3  | 729.6  | 729.9  | 730.4  | 730.9  | 731.4  | 731.9  | 732.2  | 732.4  |
| 127.5° | 783.2  | 783.5  | 783.8  | 783.9  | 784.2  | 784.7  | 785.2  | 785.7  | 786.2  | 786.7  | 787.2  |
| 130°   | 839.0  | 840.1  | 841.1  | 841.6  | 841.9  | 842.4  | 842.9  | 843.4  | 843.9  | 843.9  | 843.9  |
| 132.5° | 895.2  | 895.5  | 895.8  | 895.9  | 896.2  | 896.7  | 897.2  | 897.7  | 898.2  | 898.4  | 898.7  |
| 135°   | 948.2  | 949.0  | 949.7  | 950.1  | 950.4  | 950.9  | 951.4  | 951.9  | 952.4  | 952.4  | 952.4  |
| 137.5° | 1002.7 | 1002.5 | 1002.2 | 1002.1 | 1002.5 | 1003.3 | 1004.0 | 1004.8 | 1005.6 | 1005.1 | 1004.5 |
| 140°   | 1054.5 | 1054.8 | 1055.1 | 1055.2 | 1055.3 | 1055.6 | 1055.8 | 1056.1 | 1056.3 | 1056.3 | 1056.3 |
| 142.5° | 1104.8 | 1104.8 | 1104.8 | 1104.8 | 1104.8 | 1104.8 | 1104.8 | 1104.8 | 1104.8 | 1105.1 | 1105.3 |
| 145°   | 1151.4 | 1152.2 | 1152.9 | 1153.3 | 1153.4 | 1153.7 | 1154.0 | 1154.2 | 1154.5 | 1154.2 | 1154.0 |
| 147.5° | 1197.7 | 1197.9 | 1198.2 | 1198.3 | 1198.4 | 1198.7 | 1199.0 | 1199.2 | 1199.5 | 1199.8 | 1200.0 |
| 150°   | 1240.4 | 1240.7 | 1241.0 | 1241.1 | 1241.1 | 1241.1 | 1241.1 | 1241.1 | 1241.1 | 1241.1 | 1241.1 |
| 152.5° | 1280.7 | 1281.5 | 1282.2 | 1282.6 | 1282.2 | 1281.5 | 1280.7 | 1280.0 | 1279.2 | 1278.9 | 1278.7 |
| 155°   | 1317.0 | 1318.1 | 1319.1 | 1319.6 | 1319.1 | 1318.1 | 1317.0 | 1316.0 | 1315.0 | 1315.2 | 1315.5 |
| 157.5° | 1350.0 | 1350.7 | 1351.5 | 1351.9 | 1351.5 | 1350.7 | 1350.0 | 1349.2 | 1348.4 | 1348.4 | 1348.4 |
| 160°   | 1378.7 | 1380.0 | 1381.3 | 1381.9 | 1381.5 | 1380.7 | 1380.0 | 1379.2 | 1378.4 | 1378.7 | 1378.9 |
| 162.5° | 1407.6 | 1408.9 | 1410.2 | 1410.8 | 1410.0 | 1408.5 | 1406.9 | 1405.4 | 1403.8 | 1404.1 | 1404.3 |
| 165°   | 1431.3 | 1432.3 | 1433.4 | 1433.9 | 1433.1 | 1431.6 | 1430.0 | 1428.5 | 1426.9 | 1427.4 | 1427.9 |
| 167.5° | 1450.8 | 1452.3 | 1453.8 | 1454.6 | 1453.8 | 1452.3 | 1450.8 | 1449.2 | 1447.7 | 1447.7 | 1447.7 |
| 170°   | 1466.3 | 1468.1 | 1469.9 | 1470.8 | 1470.0 | 1468.5 | 1467.0 | 1465.4 | 1463.9 | 1463.6 | 1463.4 |
| 172.5° | 1479.0 | 1480.8 | 1482.6 | 1483.5 | 1482.6 | 1480.8 | 1479.0 | 1477.2 | 1475.4 | 1475.4 | 1475.4 |
| 175°   | 1487.1 | 1488.9 | 1490.7 | 1491.6 | 1490.7 | 1488.9 | 1487.1 | 1485.3 | 1483.5 | 1483.8 | 1484.0 |
| 177.5° | 1492.2 | 1494.3 | 1496.4 | 1497.4 | 1496.5 | 1494.7 | 1492.9 | 1491.1 | 1489.3 | 1489.3 | 1489.3 |
| 180°   | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 |
| 2.5°   | 1701.2 | 1695.7 | 1691.6 | 1691.6 | 1679.3 | 1667.0 | 1660.2 | 1657.5 | 1654.7 | 1643.8 | 1628.8 |
| 5°     | 1770.9 | 1753.1 | 1740.8 | 1728.5 | 1708.0 | 1686.1 | 1664.3 | 1652.0 | 1634.2 | 1609.6 | 1591.9 |
| 7.5°   | 1848.8 | 1806.4 | 1792.7 | 1777.7 | 1736.7 | 1699.8 | 1669.8 | 1643.8 | 1615.1 | 1583.7 | 1552.2 |
| 10°    | 1914.3 | 1869.2 | 1839.2 | 1813.2 | 1759.9 | 1710.7 | 1665.7 | 1627.4 | 1590.5 | 1549.5 | 1511.2 |
| 12.5°  | 1977.2 | 1913.0 | 1881.5 | 1843.3 | 1787.3 | 1716.2 | 1657.5 | 1609.6 | 1555.0 | 1512.6 | 1466.2 |
| 15°    | 2064.6 | 1956.7 | 1904.8 | 1880.2 | 1805.0 | 1721.7 | 1650.6 | 1579.6 | 1534.5 | 1470.3 | 1429.3 |
| 17.5°  | 2078.3 | 1990.9 | 1956.7 | 1893.8 | 1803.7 | 1709.4 | 1627.4 | 1556.3 | 1488.0 | 1430.6 | 1377.3 |
| 20°    | 2126.1 | 2011.4 | 1956.7 | 1917.1 | 1798.2 | 1702.5 | 1612.4 | 1520.8 | 1455.2 | 1393.7 | 1333.6 |
| 22.5°  | 2156.2 | 2026.4 | 1969.0 | 1906.1 | 1792.7 | 1677.9 | 1571.4 | 1492.1 | 1411.5 | 1348.6 | 1300.8 |
| 25°    | 2148.0 | 2018.2 | 1954.0 | 1895.2 | 1757.2 | 1642.4 | 1546.8 | 1445.7 | 1370.5 | 1302.2 | 1239.3 |
| 27.5°  | 2143.9 | 1997.7 | 1929.4 | 1863.8 | 1734.0 | 1613.7 | 1493.5 | 1411.5 | 1328.1 | 1248.9 | 1202.4 |
| 30°    | 2133.0 | 1971.7 | 1892.5 | 1821.4 | 1686.1 | 1560.4 | 1458.0 | 1362.3 | 1279.0 | 1206.5 | 1145.1 |
| 32.5°  | 2096.1 | 1928.0 | 1851.5 | 1775.0 | 1634.2 | 1508.5 | 1404.7 | 1315.9 | 1232.5 | 1157.3 | 1098.6 |
| 35°    | 2046.9 | 1876.1 | 1792.7 | 1712.1 | 1571.4 | 1444.3 | 1348.6 | 1255.7 | 1177.8 | 1105.4 | 1049.4 |
| 37.5°  | 1997.7 | 1816.0 | 1738.1 | 1645.2 | 1515.3 | 1382.8 | 1284.4 | 1201.1 | 1128.7 | 1053.5 | 992.0  |
| 40°    | 1926.6 | 1744.9 | 1658.8 | 1579.6 | 1427.9 | 1303.6 | 1213.4 | 1138.2 | 1067.2 | 996.1  | 944.2  |
| 42.5°  | 1829.6 | 1667.0 | 1578.2 | 1490.8 | 1348.6 | 1225.7 | 1138.2 | 1071.3 | 1004.3 | 945.6  | 888.2  |
| 45°    | 1731.2 | 1572.7 | 1493.5 | 1415.6 | 1261.2 | 1145.1 | 1064.4 | 1002.9 | 946.9  | 882.7  | 836.2  |
| 47.5°  | 1612.4 | 1478.5 | 1399.2 | 1322.7 | 1176.5 | 1060.3 | 986.5  | 929.2  | 877.2  | 823.9  | 780.2  |
| 50°    | 1490.8 | 1374.6 | 1302.2 | 1222.9 | 1083.6 | 978.3  | 905.9  | 858.1  | 815.7  | 765.2  | 729.7  |
| 52.5°  | 1359.6 | 1258.5 | 1197.0 | 1120.5 | 997.5  | 900.5  | 826.7  | 778.9  | 743.3  | 706.4  | 675.0  |
| 55°    | 1220.2 | 1146.4 | 1080.8 | 1019.3 | 903.2  | 815.7  | 750.2  | 707.8  | 683.2  | 649.0  | 621.7  |
| 57.5°  | 1094.5 | 1023.4 | 983.8  | 914.1  | 813.0  | 726.9  | 675.0  | 639.5  | 610.8  | 590.3  | 568.4  |
| 60°    | 963.3  | 905.9  | 862.2  | 811.6  | 722.8  | 650.4  | 595.8  | 575.3  | 545.2  | 530.2  | 520.6  |
| 62.5°  | 837.6  | 796.6  | 755.6  | 717.4  | 638.1  | 569.8  | 528.8  | 502.8  | 485.1  | 470.0  | 461.8  |
| 65°    | 718.7  | 680.5  | 651.8  | 617.6  | 552.0  | 497.4  | 459.1  | 438.6  | 420.9  | 416.8  | 407.2  |
| 67.5°  | 602.6  | 586.2  | 554.8  | 527.4  | 471.4  | 429.1  | 400.4  | 374.4  | 364.8  | 360.7  | 352.5  |
| 70°    | 504.2  | 485.1  | 460.5  | 437.3  | 394.9  | 358.0  | 332.0  | 322.5  | 308.8  | 307.4  | 297.9  |
| 72.5°  | 415.4  | 392.2  | 374.4  | 356.6  | 325.2  | 292.4  | 278.7  | 265.1  | 258.3  | 252.8  | 248.7  |
| 75°    | 329.3  | 312.9  | 300.6  | 285.6  | 258.3  | 236.4  | 217.3  | 211.8  | 207.7  | 206.3  | 203.6  |
| 77.5°  | 246.0  | 235.0  | 229.6  | 214.5  | 195.4  | 176.3  | 168.1  | 159.9  | 159.9  | 157.1  | 158.5  |
| 80°    | 174.9  | 168.1  | 161.2  | 153.0  | 136.6  | 128.4  | 121.6  | 116.1  | 113.4  | 112.0  | 113.4  |
| 82.5°  | 110.7  | 106.6  | 105.2  | 99.7   | 88.8   | 84.7   | 79.3   | 75.2   | 75.2   | 75.2   | 75.2   |
| 85°    | 61.5   | 61.5   | 61.5   | 53.3   | 49.2   | 45.1   | 42.4   | 41.0   | 41.0   | 41.0   | 42.4   |
| 87.5°  | 26.0   | 26.0   | 21.9   | 21.9   | 20.5   | 17.8   | 16.4   | 16.4   | 17.8   | 17.8   | 19.1   |
| 90°    | 19.3   | 17.2   | 16.2   | 14.8   | 12.0   | 9.1    | 6.3    | 3.5    | 6.3    | 9.1    | 12.0   |
| 92.5°  | 46.9   | 45.6   | 45.0   | 43.3   | 40.0   | 36.7   | 33.3   | 30.0   | 33.3   | 36.7   | 40.0   |
| 95°    | 82.4   | 80.6   | 79.7   | 78.5   | 76.2   | 73.9   | 71.6   | 69.3   | 71.6   | 73.9   | 76.2   |
| 97.5°  | 123.2  | 121.1  | 120.1  | 119.1  | 117.0  | 114.9  | 112.9  | 110.8  | 112.9  | 114.9  | 117.0  |
| 100°   | 169.7  | 167.4  | 166.2  | 165.7  | 164.7  | 163.6  | 162.6  | 161.6  | 162.6  | 163.6  | 164.7  |
| 102.5° | 219.0  | 216.9  | 215.9  | 215.8  | 215.5  | 215.2  | 215.0  | 214.7  | 215.0  | 215.2  | 215.5  |
| 105°   | 271.7  | 270.6  | 270.1  | 270.0  | 269.7  | 269.5  | 269.2  | 269.0  | 269.2  | 269.5  | 269.7  |
| 107.5° | 327.1  | 326.8  | 326.7  | 326.6  | 326.3  | 326.1  | 325.8  | 325.6  | 325.8  | 326.1  | 326.3  |
| 110°   | 385.2  | 385.5  | 385.6  | 385.3  | 384.8  | 384.3  | 383.8  | 383.3  | 383.8  | 384.3  | 384.8  |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 442.5  | 443.0  | 443.3  | 443.3  | 443.3  | 443.3  | 443.3  | 443.3  | 443.3  | 443.3  | 443.3  |
| 115°   | 502.6  | 503.1  | 503.4  | 503.4  | 503.4  | 503.4  | 503.4  | 503.4  | 503.4  | 503.4  | 503.4  |
| 117.5° | 559.5  | 559.8  | 559.9  | 559.9  | 559.9  | 559.9  | 559.9  | 559.9  | 559.9  | 559.9  | 559.9  |
| 120°   | 619.9  | 620.7  | 621.1  | 620.6  | 619.6  | 618.5  | 617.5  | 616.5  | 617.5  | 618.5  | 619.6  |
| 122.5° | 676.1  | 676.4  | 676.5  | 676.4  | 676.1  | 675.9  | 675.6  | 675.4  | 675.6  | 675.9  | 676.1  |
| 125°   | 732.7  | 733.0  | 733.1  | 733.1  | 733.1  | 733.1  | 733.1  | 733.1  | 733.1  | 733.1  | 733.1  |
| 127.5° | 787.7  | 788.2  | 788.5  | 788.1  | 787.3  | 786.6  | 785.8  | 785.0  | 785.8  | 786.6  | 787.3  |
| 130°   | 843.9  | 843.9  | 843.9  | 843.5  | 842.8  | 842.0  | 841.3  | 840.5  | 841.3  | 842.0  | 842.8  |
| 132.5° | 898.9  | 899.2  | 899.3  | 899.0  | 898.5  | 898.0  | 897.5  | 897.0  | 897.5  | 898.0  | 898.5  |
| 135°   | 952.4  | 952.4  | 952.4  | 951.6  | 950.1  | 948.6  | 947.0  | 945.5  | 947.0  | 948.6  | 950.1  |
| 137.5° | 1004.0 | 1003.5 | 1003.2 | 1002.8 | 1002.1 | 1001.3 | 1000.6 | 999.8  | 1000.6 | 1001.3 | 1002.1 |
| 140°   | 1056.3 | 1056.3 | 1056.3 | 1056.0 | 1055.5 | 1055.0 | 1054.5 | 1054.0 | 1054.5 | 1055.0 | 1055.5 |
| 142.5° | 1105.6 | 1105.9 | 1106.0 | 1105.7 | 1105.2 | 1104.7 | 1104.2 | 1103.7 | 1104.2 | 1104.7 | 1105.2 |
| 145°   | 1153.7 | 1153.4 | 1153.3 | 1152.8 | 1151.8 | 1150.7 | 1149.7 | 1148.7 | 1149.7 | 1150.7 | 1151.8 |
| 147.5° | 1200.3 | 1200.6 | 1200.7 | 1200.1 | 1198.8 | 1197.5 | 1196.2 | 1194.9 | 1196.2 | 1197.5 | 1198.8 |
| 150°   | 1241.1 | 1241.1 | 1241.1 | 1240.6 | 1239.5 | 1238.5 | 1237.4 | 1236.4 | 1237.4 | 1238.5 | 1239.5 |
| 152.5° | 1278.4 | 1278.1 | 1278.0 | 1277.7 | 1277.2 | 1276.7 | 1276.2 | 1275.7 | 1276.2 | 1276.7 | 1277.2 |
| 155°   | 1315.7 | 1316.0 | 1316.1 | 1316.1 | 1316.1 | 1316.1 | 1316.1 | 1316.1 | 1316.1 | 1316.1 | 1316.1 |
| 157.5° | 1348.4 | 1348.4 | 1348.4 | 1348.7 | 1349.2 | 1349.7 | 1350.2 | 1350.7 | 1350.2 | 1349.7 | 1349.2 |
| 160°   | 1379.2 | 1379.5 | 1379.6 | 1379.7 | 1380.0 | 1380.3 | 1380.5 | 1380.8 | 1380.5 | 1380.3 | 1380.0 |
| 162.5° | 1404.6 | 1404.9 | 1405.0 | 1405.4 | 1406.2 | 1406.9 | 1407.7 | 1408.5 | 1407.7 | 1406.9 | 1406.2 |
| 165°   | 1428.4 | 1428.9 | 1429.2 | 1429.6 | 1430.4 | 1431.1 | 1431.9 | 1432.7 | 1431.9 | 1431.1 | 1430.4 |
| 167.5° | 1447.7 | 1447.7 | 1447.7 | 1448.2 | 1449.2 | 1450.3 | 1451.3 | 1452.3 | 1451.3 | 1450.3 | 1449.2 |
| 170°   | 1463.1 | 1462.8 | 1462.7 | 1463.3 | 1464.6 | 1465.9 | 1467.2 | 1468.5 | 1467.2 | 1465.9 | 1464.6 |
| 172.5° | 1475.4 | 1475.4 | 1475.4 | 1475.9 | 1476.9 | 1478.0 | 1479.0 | 1480.0 | 1479.0 | 1478.0 | 1476.9 |
| 175°   | 1484.3 | 1484.6 | 1484.7 | 1485.3 | 1486.6 | 1487.9 | 1489.1 | 1490.4 | 1489.1 | 1487.9 | 1486.6 |
| 177.5° | 1489.3 | 1489.3 | 1489.3 | 1489.9 | 1491.2 | 1492.5 | 1493.8 | 1495.1 | 1493.8 | 1492.5 | 1491.2 |
| 180°   | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 |
| 2.5°   | 1624.7 | 1619.2 | 1621.9 | 1608.3 | 1596.0 | 1578.2 | 1563.2 | 1560.4 | 1557.7 | 1565.9 | 1560.4 |
| 5°     | 1578.2 | 1571.4 | 1564.5 | 1548.1 | 1523.5 | 1508.5 | 1486.7 | 1485.3 | 1477.1 | 1464.8 | 1467.5 |
| 7.5°   | 1527.6 | 1523.5 | 1514.0 | 1488.0 | 1466.2 | 1440.2 | 1422.4 | 1407.4 | 1400.6 | 1389.6 | 1385.5 |
| 10°    | 1486.7 | 1471.6 | 1463.4 | 1434.7 | 1408.8 | 1381.4 | 1358.2 | 1347.3 | 1335.0 | 1325.4 | 1318.6 |
| 12.5°  | 1430.6 | 1426.5 | 1403.3 | 1380.1 | 1358.2 | 1326.8 | 1309.0 | 1277.6 | 1261.2 | 1269.4 | 1266.7 |
| 15°    | 1393.7 | 1374.6 | 1369.1 | 1336.3 | 1299.5 | 1279.0 | 1246.2 | 1225.7 | 1218.8 | 1206.5 | 1191.5 |
| 17.5°  | 1344.5 | 1332.2 | 1313.1 | 1283.1 | 1240.7 | 1212.0 | 1188.8 | 1169.6 | 1161.4 | 1145.1 | 1132.8 |
| 20°    | 1298.1 | 1277.6 | 1262.6 | 1235.2 | 1194.2 | 1157.3 | 1128.7 | 1116.4 | 1095.9 | 1082.2 | 1075.4 |
| 22.5°  | 1255.7 | 1240.7 | 1218.8 | 1177.8 | 1142.3 | 1106.8 | 1072.6 | 1054.9 | 1035.7 | 1027.5 | 1016.6 |
| 25°    | 1203.8 | 1179.2 | 1164.2 | 1119.1 | 1080.8 | 1052.1 | 1020.7 | 997.5  | 986.5  | 972.9  | 970.1  |
| 27.5°  | 1153.2 | 1130.0 | 1112.3 | 1072.6 | 1026.2 | 989.3  | 970.1  | 953.8  | 934.6  | 934.6  | 927.8  |
| 30°    | 1102.7 | 1086.3 | 1059.0 | 1020.7 | 977.0  | 941.5  | 919.6  | 904.6  | 897.7  | 892.3  | 890.9  |
| 32.5°  | 1052.1 | 1030.3 | 1013.9 | 962.0  | 929.2  | 896.4  | 880.0  | 867.7  | 859.5  | 858.1  | 859.5  |
| 35°    | 1000.2 | 975.6  | 959.2  | 912.8  | 880.0  | 849.9  | 843.1  | 832.1  | 828.0  | 826.7  | 833.5  |
| 37.5°  | 945.6  | 926.4  | 905.9  | 867.7  | 830.8  | 813.0  | 799.3  | 795.2  | 793.9  | 802.1  | 804.8  |
| 40°    | 895.0  | 878.6  | 859.5  | 818.5  | 791.2  | 772.0  | 765.2  | 761.1  | 766.6  | 774.8  | 778.9  |
| 42.5°  | 847.2  | 823.9  | 808.9  | 772.0  | 747.4  | 736.5  | 728.3  | 728.3  | 733.8  | 743.3  | 750.2  |
| 45°    | 796.6  | 778.9  | 763.8  | 731.0  | 709.2  | 696.9  | 695.5  | 696.9  | 703.7  | 710.5  | 718.7  |
| 47.5°  | 747.4  | 729.7  | 713.3  | 685.9  | 666.8  | 660.0  | 658.6  | 660.0  | 670.9  | 680.5  | 690.0  |
| 50°    | 702.3  | 683.2  | 668.2  | 642.2  | 627.2  | 619.0  | 620.3  | 627.2  | 635.4  | 649.0  | 661.3  |
| 52.5°  | 649.0  | 635.4  | 621.7  | 598.5  | 584.8  | 579.4  | 583.5  | 588.9  | 604.0  | 613.5  | 628.5  |
| 55°    | 597.1  | 584.8  | 573.9  | 556.1  | 545.2  | 541.1  | 543.8  | 552.0  | 564.3  | 580.7  | 598.5  |
| 57.5°  | 549.3  | 535.6  | 524.7  | 512.4  | 500.1  | 501.5  | 502.8  | 513.8  | 528.8  | 543.8  | 564.3  |
| 60°    | 496.0  | 487.8  | 478.2  | 463.2  | 457.7  | 457.7  | 461.8  | 474.1  | 487.8  | 512.4  | 530.2  |
| 62.5°  | 448.2  | 437.3  | 430.4  | 420.9  | 412.7  | 414.0  | 423.6  | 434.5  | 450.9  | 471.4  | 494.6  |
| 65°    | 399.0  | 386.7  | 381.2  | 373.0  | 370.3  | 371.7  | 378.5  | 394.9  | 412.7  | 430.4  | 452.3  |
| 67.5°  | 344.3  | 340.2  | 334.8  | 326.6  | 329.3  | 330.7  | 337.5  | 351.2  | 370.3  | 388.1  | 412.7  |
| 70°    | 297.9  | 289.7  | 288.3  | 281.5  | 281.5  | 285.6  | 299.2  | 308.8  | 326.6  | 345.7  | 371.7  |
| 72.5°  | 248.7  | 241.9  | 241.9  | 236.4  | 240.5  | 244.6  | 251.4  | 265.1  | 281.5  | 300.6  | 322.5  |
| 75°    | 198.1  | 195.4  | 198.1  | 195.4  | 195.4  | 202.2  | 210.4  | 221.4  | 239.1  | 259.6  | 277.4  |
| 77.5°  | 153.0  | 153.0  | 151.7  | 155.8  | 155.8  | 159.9  | 170.8  | 181.7  | 195.4  | 211.8  | 230.9  |
| 80°    | 112.0  | 112.0  | 112.0  | 116.1  | 120.2  | 120.2  | 127.1  | 140.7  | 153.0  | 164.0  | 181.7  |
| 82.5°  | 76.5   | 76.5   | 76.5   | 79.3   | 84.7   | 84.7   | 92.9   | 101.1  | 114.8  | 124.3  | 132.5  |
| 85°    | 46.5   | 46.5   | 45.1   | 47.8   | 49.2   | 53.3   | 60.1   | 65.6   | 72.4   | 80.6   | 88.8   |
| 87.5°  | 20.5   | 20.5   | 21.9   | 23.2   | 24.6   | 27.3   | 30.1   | 32.8   | 39.6   | 42.4   | 46.5   |
| 90°    | 14.8   | 16.2   | 17.2   | 19.3   | 21.3   | 23.4   | 25.4   | 26.9   | 28.5   | 30.0   | 31.5   |
| 92.5°  | 43.3   | 45.0   | 45.6   | 46.9   | 48.2   | 49.5   | 50.8   | 51.6   | 52.4   | 53.1   | 53.9   |
| 95°    | 78.5   | 79.7   | 80.6   | 82.4   | 84.1   | 85.9   | 87.7   | 88.5   | 89.3   | 90.0   | 90.8   |
| 97.5°  | 119.1  | 120.1  | 121.1  | 123.2  | 125.2  | 127.3  | 129.3  | 130.3  | 131.3  | 132.4  | 133.4  |
| 100°   | 165.7  | 166.2  | 167.4  | 169.7  | 172.0  | 174.3  | 176.6  | 177.1  | 177.6  | 178.1  | 178.6  |
| 102.5° | 215.8  | 215.9  | 216.9  | 219.0  | 221.0  | 223.1  | 225.1  | 225.9  | 226.7  | 227.4  | 228.2  |
| 105°   | 270.0  | 270.1  | 270.6  | 271.7  | 272.7  | 273.8  | 274.8  | 275.6  | 276.3  | 277.1  | 277.8  |
| 107.5° | 326.6  | 326.7  | 326.8  | 327.1  | 327.4  | 327.6  | 327.9  | 328.9  | 329.9  | 331.0  | 332.0  |
| 110°   | 385.3  | 385.6  | 385.5  | 385.2  | 384.9  | 384.7  | 384.4  | 383.9  | 383.4  | 382.9  | 382.4  |

TEST NUMBER: P1000612

CATALOG NUMBER: SA4XXDIP-B1020D1205UB40-4F0-XX-W2A-A1

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 443.3  | 443.3  | 443.0  | 442.5  | 442.0  | 441.5  | 441.0  | 441.0  | 441.0  | 441.0  | 441.0  |
| 115°   | 503.4  | 503.4  | 503.1  | 502.6  | 502.1  | 501.5  | 501.0  | 500.8  | 500.5  | 500.3  | 500.0  |
| 117.5° | 559.9  | 559.9  | 559.8  | 559.5  | 559.3  | 559.0  | 558.8  | 558.0  | 557.2  | 556.5  | 555.7  |
| 120°   | 620.6  | 621.1  | 620.7  | 619.9  | 619.2  | 618.4  | 617.6  | 616.3  | 615.1  | 613.8  | 612.5  |
| 122.5° | 676.4  | 676.5  | 676.4  | 676.1  | 675.9  | 675.6  | 675.4  | 674.6  | 673.8  | 673.1  | 672.3  |
| 125°   | 733.1  | 733.1  | 733.0  | 732.7  | 732.4  | 732.2  | 731.9  | 731.4  | 730.9  | 730.4  | 729.9  |
| 127.5° | 788.1  | 788.5  | 788.2  | 787.7  | 787.2  | 786.7  | 786.2  | 785.7  | 785.2  | 784.7  | 784.2  |
| 130°   | 843.5  | 843.9  | 843.9  | 843.9  | 843.9  | 843.9  | 843.9  | 843.4  | 842.9  | 842.4  | 841.9  |
| 132.5° | 899.0  | 899.3  | 899.2  | 898.9  | 898.7  | 898.4  | 898.2  | 897.7  | 897.2  | 896.7  | 896.2  |
| 135°   | 951.6  | 952.4  | 952.4  | 952.4  | 952.4  | 952.4  | 952.4  | 951.9  | 951.4  | 950.9  | 950.4  |
| 137.5° | 1002.8 | 1003.2 | 1003.5 | 1004.0 | 1004.5 | 1005.1 | 1005.6 | 1004.8 | 1004.0 | 1003.3 | 1002.5 |
| 140°   | 1056.0 | 1056.3 | 1056.3 | 1056.3 | 1056.3 | 1056.3 | 1056.3 | 1056.1 | 1055.8 | 1055.6 | 1055.3 |
| 142.5° | 1105.7 | 1106.0 | 1105.9 | 1105.6 | 1105.3 | 1105.1 | 1104.8 | 1104.8 | 1104.8 | 1104.8 | 1104.8 |
| 145°   | 1152.8 | 1153.3 | 1153.4 | 1153.7 | 1154.0 | 1154.2 | 1154.5 | 1154.2 | 1154.0 | 1153.7 | 1153.4 |
| 147.5° | 1200.1 | 1200.7 | 1200.6 | 1200.3 | 1200.0 | 1199.8 | 1199.5 | 1199.2 | 1199.0 | 1198.7 | 1198.4 |
| 150°   | 1240.6 | 1241.1 | 1241.1 | 1241.1 | 1241.1 | 1241.1 | 1241.1 | 1241.1 | 1241.1 | 1241.1 | 1241.1 |
| 152.5° | 1277.7 | 1278.0 | 1278.1 | 1278.4 | 1278.7 | 1278.9 | 1279.2 | 1280.0 | 1280.7 | 1281.5 | 1282.2 |
| 155°   | 1316.1 | 1316.1 | 1316.0 | 1315.7 | 1315.5 | 1315.2 | 1315.0 | 1316.0 | 1317.0 | 1318.1 | 1319.1 |
| 157.5° | 1348.7 | 1348.4 | 1348.4 | 1348.4 | 1348.4 | 1348.4 | 1348.4 | 1349.2 | 1350.0 | 1350.7 | 1351.5 |
| 160°   | 1379.7 | 1379.6 | 1379.5 | 1379.2 | 1378.9 | 1378.7 | 1378.4 | 1379.2 | 1380.0 | 1380.7 | 1381.5 |
| 162.5° | 1405.4 | 1405.0 | 1404.9 | 1404.6 | 1404.3 | 1404.1 | 1403.8 | 1405.4 | 1406.9 | 1408.5 | 1410.0 |
| 165°   | 1429.6 | 1429.2 | 1428.9 | 1428.4 | 1427.9 | 1427.4 | 1426.9 | 1428.5 | 1430.0 | 1431.6 | 1433.1 |
| 167.5° | 1448.2 | 1447.7 | 1447.7 | 1447.7 | 1447.7 | 1447.7 | 1447.7 | 1449.2 | 1450.8 | 1452.3 | 1453.8 |
| 170°   | 1463.3 | 1462.7 | 1462.8 | 1463.1 | 1463.4 | 1463.6 | 1463.9 | 1465.4 | 1467.0 | 1468.5 | 1470.0 |
| 172.5° | 1475.9 | 1475.4 | 1475.4 | 1475.4 | 1475.4 | 1475.4 | 1475.4 | 1477.2 | 1479.0 | 1480.8 | 1482.6 |
| 175°   | 1485.3 | 1484.7 | 1484.6 | 1484.3 | 1484.0 | 1483.8 | 1483.5 | 1485.3 | 1487.1 | 1488.9 | 1490.7 |
| 177.5° | 1489.9 | 1489.3 | 1489.3 | 1489.3 | 1489.3 | 1489.3 | 1489.3 | 1491.1 | 1492.9 | 1494.7 | 1496.5 |
| 180°   | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 |



TEST NUMBER: P1000612

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**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 |
| 2.5°   | 1556.3 | 1555.0 | 1548.1 | 1550.9 | 1542.7 | 1545.4 | 1549.5 | 1550.9 | 1556.3 | 1552.2 | 1550.9 |
| 5°     | 1460.7 | 1458.0 | 1453.9 | 1449.8 | 1448.4 | 1453.9 | 1444.3 | 1447.0 | 1449.8 | 1453.9 | 1459.3 |
| 7.5°   | 1382.8 | 1381.4 | 1377.3 | 1370.5 | 1367.8 | 1365.0 | 1366.4 | 1376.0 | 1374.6 | 1373.2 | 1382.8 |
| 10°    | 1311.8 | 1313.1 | 1304.9 | 1303.6 | 1295.4 | 1294.0 | 1295.4 | 1298.1 | 1302.2 | 1307.7 | 1309.0 |
| 12.5°  | 1238.0 | 1255.7 | 1240.7 | 1235.2 | 1222.9 | 1229.8 | 1232.5 | 1220.2 | 1227.0 | 1231.1 | 1251.6 |
| 15°    | 1191.5 | 1183.3 | 1173.7 | 1173.7 | 1168.3 | 1165.5 | 1158.7 | 1168.3 | 1173.7 | 1181.9 | 1179.2 |
| 17.5°  | 1127.3 | 1113.6 | 1108.2 | 1102.7 | 1104.1 | 1109.5 | 1094.5 | 1116.4 | 1116.4 | 1120.5 | 1113.6 |
| 20°    | 1071.3 | 1060.3 | 1053.5 | 1050.8 | 1046.7 | 1043.9 | 1042.6 | 1048.0 | 1056.2 | 1059.0 | 1065.8 |
| 22.5°  | 1012.5 | 1012.5 | 1001.6 | 997.5  | 994.7  | 990.6  | 997.5  | 993.4  | 998.8  | 1004.3 | 1015.2 |
| 25°    | 963.3  | 963.3  | 959.2  | 953.8  | 949.7  | 946.9  | 951.0  | 949.7  | 953.8  | 960.6  | 963.3  |
| 27.5°  | 923.7  | 919.6  | 918.2  | 916.9  | 915.5  | 916.9  | 915.5  | 919.6  | 923.7  | 925.1  | 922.3  |
| 30°    | 889.5  | 885.4  | 886.8  | 886.8  | 888.2  | 886.8  | 885.4  | 889.5  | 890.9  | 888.2  | 889.5  |
| 32.5°  | 858.1  | 858.1  | 860.8  | 862.2  | 862.2  | 863.6  | 864.9  | 862.2  | 863.6  | 859.5  | 860.8  |
| 35°    | 832.1  | 834.9  | 837.6  | 839.0  | 840.3  | 839.0  | 841.7  | 840.3  | 837.6  | 834.9  | 833.5  |
| 37.5°  | 806.2  | 808.9  | 814.4  | 815.7  | 819.8  | 821.2  | 818.5  | 818.5  | 817.1  | 811.6  | 808.9  |
| 40°    | 778.9  | 781.6  | 788.4  | 792.5  | 795.2  | 799.3  | 796.6  | 796.6  | 791.2  | 785.7  | 781.6  |
| 42.5°  | 752.9  | 758.4  | 765.2  | 769.3  | 774.8  | 774.8  | 774.8  | 772.0  | 765.2  | 759.7  | 755.6  |
| 45°    | 726.9  | 728.3  | 737.9  | 744.7  | 750.2  | 750.2  | 750.2  | 746.1  | 742.0  | 731.0  | 725.6  |
| 47.5°  | 698.2  | 702.3  | 713.3  | 720.1  | 725.6  | 726.9  | 726.9  | 722.8  | 714.6  | 705.1  | 698.2  |
| 50°    | 666.8  | 673.6  | 685.9  | 695.5  | 702.3  | 705.1  | 701.0  | 698.2  | 688.7  | 677.7  | 669.5  |
| 52.5°  | 636.7  | 644.9  | 660.0  | 668.2  | 677.7  | 679.1  | 677.7  | 673.6  | 662.7  | 647.7  | 640.8  |
| 55°    | 606.7  | 613.5  | 629.9  | 643.6  | 651.8  | 654.5  | 651.8  | 644.9  | 631.3  | 616.3  | 609.4  |
| 57.5°  | 573.9  | 583.5  | 601.2  | 614.9  | 624.4  | 625.8  | 623.1  | 616.3  | 605.3  | 586.2  | 576.6  |
| 60°    | 539.7  | 552.0  | 569.8  | 583.5  | 595.8  | 597.1  | 594.4  | 584.8  | 571.2  | 552.0  | 543.8  |
| 62.5°  | 505.6  | 515.1  | 535.6  | 550.7  | 560.2  | 567.1  | 561.6  | 552.0  | 538.4  | 519.2  | 506.9  |
| 65°    | 465.9  | 479.6  | 497.4  | 511.0  | 522.0  | 523.3  | 520.6  | 512.4  | 497.4  | 476.9  | 467.3  |
| 67.5°  | 427.7  | 437.3  | 455.0  | 472.8  | 476.9  | 481.0  | 476.9  | 468.7  | 456.4  | 438.6  | 425.0  |
| 70°    | 381.2  | 389.4  | 411.3  | 423.6  | 429.1  | 433.2  | 430.4  | 422.2  | 411.3  | 394.9  | 384.0  |
| 72.5°  | 334.8  | 341.6  | 362.1  | 371.7  | 382.6  | 381.2  | 379.9  | 374.4  | 359.4  | 348.4  | 341.6  |
| 75°    | 285.6  | 293.8  | 307.4  | 319.7  | 323.8  | 323.8  | 323.8  | 319.7  | 310.2  | 292.4  | 285.6  |
| 77.5°  | 240.5  | 244.6  | 255.5  | 262.4  | 266.4  | 267.8  | 266.4  | 259.6  | 254.2  | 241.9  | 237.8  |
| 80°    | 184.5  | 195.4  | 203.6  | 205.0  | 210.4  | 210.4  | 210.4  | 207.7  | 202.2  | 189.9  | 188.6  |
| 82.5°  | 139.4  | 142.1  | 150.3  | 154.4  | 157.1  | 155.8  | 155.8  | 150.3  | 148.9  | 142.1  | 139.4  |
| 85°    | 94.3   | 98.4   | 97.0   | 102.5  | 103.8  | 101.1  | 101.1  | 103.8  | 97.0   | 98.4   | 94.3   |
| 87.5°  | 51.9   | 51.9   | 54.7   | 53.3   | 58.8   | 58.8   | 56.0   | 57.4   | 54.7   | 53.3   | 51.9   |
| 90°    | 32.3   | 32.6   | 33.1   | 33.6   | 34.1   | 34.6   | 34.1   | 33.6   | 33.1   | 32.6   | 32.3   |
| 92.5°  | 54.3   | 54.4   | 54.7   | 54.9   | 55.2   | 55.4   | 55.2   | 54.9   | 54.7   | 54.4   | 54.3   |
| 95°    | 91.2   | 91.2   | 91.2   | 91.2   | 91.2   | 91.2   | 91.2   | 91.2   | 91.2   | 91.2   | 91.2   |
| 97.5°  | 133.9  | 133.9  | 133.9  | 133.9  | 133.9  | 133.9  | 133.9  | 133.9  | 133.9  | 133.9  | 133.9  |
| 100°   | 178.9  | 178.9  | 178.9  | 178.9  | 178.9  | 178.9  | 178.9  | 178.9  | 178.9  | 178.9  | 178.9  |
| 102.5° | 228.6  | 228.7  | 229.0  | 229.2  | 229.5  | 229.7  | 229.5  | 229.2  | 229.0  | 228.7  | 228.6  |
| 105°   | 278.2  | 278.6  | 279.4  | 280.1  | 280.9  | 281.7  | 280.9  | 280.1  | 279.4  | 278.6  | 278.2  |
| 107.5° | 332.5  | 332.4  | 332.1  | 331.8  | 331.6  | 331.3  | 331.6  | 331.8  | 332.1  | 332.4  | 332.5  |
| 110°   | 382.1  | 382.5  | 383.3  | 384.0  | 384.8  | 385.6  | 384.8  | 384.0  | 383.3  | 382.5  | 382.1  |



TEST NUMBER: P1000612

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**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 441.0  | 441.0  | 441.0  | 441.0  | 441.0  | 441.0  | 441.0  | 441.0  | 441.0  | 441.0  | 441.0  |
| 115°   | 499.9  | 499.8  | 499.5  | 499.2  | 499.0  | 498.7  | 499.0  | 499.2  | 499.5  | 499.8  | 499.9  |
| 117.5° | 555.3  | 554.9  | 554.1  | 553.4  | 552.6  | 551.8  | 552.6  | 553.4  | 554.1  | 554.9  | 555.3  |
| 120°   | 611.9  | 612.2  | 612.7  | 613.2  | 613.7  | 614.2  | 613.7  | 613.2  | 612.7  | 612.2  | 611.9  |
| 122.5° | 671.9  | 671.3  | 670.0  | 668.7  | 667.4  | 666.1  | 667.4  | 668.7  | 670.0  | 671.3  | 671.9  |
| 125°   | 729.6  | 729.3  | 728.8  | 728.3  | 727.8  | 727.3  | 727.8  | 728.3  | 728.8  | 729.3  | 729.6  |
| 127.5° | 783.9  | 783.8  | 783.5  | 783.2  | 783.0  | 782.7  | 783.0  | 783.2  | 783.5  | 783.8  | 783.9  |
| 130°   | 841.6  | 841.1  | 840.1  | 839.0  | 838.0  | 837.0  | 838.0  | 839.0  | 840.1  | 841.1  | 841.6  |
| 132.5° | 895.9  | 895.8  | 895.5  | 895.2  | 895.0  | 894.7  | 895.0  | 895.2  | 895.5  | 895.8  | 895.9  |
| 135°   | 950.1  | 949.7  | 949.0  | 948.2  | 947.5  | 946.7  | 947.5  | 948.2  | 949.0  | 949.7  | 950.1  |
| 137.5° | 1002.1 | 1002.2 | 1002.5 | 1002.7 | 1003.0 | 1003.2 | 1003.0 | 1002.7 | 1002.5 | 1002.2 | 1002.1 |
| 140°   | 1055.2 | 1055.1 | 1054.8 | 1054.5 | 1054.3 | 1054.0 | 1054.3 | 1054.5 | 1054.8 | 1055.1 | 1055.2 |
| 142.5° | 1104.8 | 1104.8 | 1104.8 | 1104.8 | 1104.8 | 1104.8 | 1104.8 | 1104.8 | 1104.8 | 1104.8 | 1104.8 |
| 145°   | 1153.3 | 1152.9 | 1152.2 | 1151.4 | 1150.7 | 1149.9 | 1150.7 | 1151.4 | 1152.2 | 1152.9 | 1153.3 |
| 147.5° | 1198.3 | 1198.2 | 1197.9 | 1197.7 | 1197.4 | 1197.2 | 1197.4 | 1197.7 | 1197.9 | 1198.2 | 1198.3 |
| 150°   | 1241.1 | 1241.0 | 1240.7 | 1240.4 | 1240.2 | 1239.9 | 1240.2 | 1240.4 | 1240.7 | 1241.0 | 1241.1 |
| 152.5° | 1282.6 | 1282.2 | 1281.5 | 1280.7 | 1280.0 | 1279.2 | 1280.0 | 1280.7 | 1281.5 | 1282.2 | 1282.6 |
| 155°   | 1319.6 | 1319.1 | 1318.1 | 1317.0 | 1316.0 | 1315.0 | 1316.0 | 1317.0 | 1318.1 | 1319.1 | 1319.6 |
| 157.5° | 1351.9 | 1351.5 | 1350.7 | 1350.0 | 1349.2 | 1348.4 | 1349.2 | 1350.0 | 1350.7 | 1351.5 | 1351.9 |
| 160°   | 1381.9 | 1381.3 | 1380.0 | 1378.7 | 1377.4 | 1376.1 | 1377.4 | 1378.7 | 1380.0 | 1381.3 | 1381.9 |
| 162.5° | 1410.8 | 1410.2 | 1408.9 | 1407.6 | 1406.3 | 1405.0 | 1406.3 | 1407.6 | 1408.9 | 1410.2 | 1410.8 |
| 165°   | 1433.9 | 1433.4 | 1432.3 | 1431.3 | 1430.2 | 1429.2 | 1430.2 | 1431.3 | 1432.3 | 1433.4 | 1433.9 |
| 167.5° | 1454.6 | 1453.8 | 1452.3 | 1450.8 | 1449.2 | 1447.7 | 1449.2 | 1450.8 | 1452.3 | 1453.8 | 1454.6 |
| 170°   | 1470.8 | 1469.9 | 1468.1 | 1466.3 | 1464.5 | 1462.7 | 1464.5 | 1466.3 | 1468.1 | 1469.9 | 1470.8 |
| 172.5° | 1483.5 | 1482.6 | 1480.8 | 1479.0 | 1477.2 | 1475.4 | 1477.2 | 1479.0 | 1480.8 | 1482.6 | 1483.5 |
| 175°   | 1491.6 | 1490.7 | 1488.9 | 1487.1 | 1485.3 | 1483.5 | 1485.3 | 1487.1 | 1488.9 | 1490.7 | 1491.6 |
| 177.5° | 1497.4 | 1496.4 | 1494.3 | 1492.2 | 1490.2 | 1488.1 | 1490.2 | 1492.2 | 1494.3 | 1496.4 | 1497.4 |
| 180°   | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 |

TEST NUMBER: P1000612

CATALOG NUMBER: SA4XXDIP-B1020D1205UB40-4F0-XX-W2A-A1

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 | 1649.3 |
| 2.5°   | 1550.9 | 1559.1 | 1550.9 | 1556.3 | 1559.1 | 1565.9 | 1568.6 | 1580.9 | 1585.0 | 1594.6 | 1594.6 |
| 5°     | 1458.0 | 1462.1 | 1463.4 | 1468.9 | 1474.4 | 1488.0 | 1497.6 | 1515.3 | 1535.8 | 1538.6 | 1550.9 |
| 7.5°   | 1382.8 | 1389.6 | 1400.6 | 1396.5 | 1406.0 | 1426.5 | 1438.8 | 1460.7 | 1481.2 | 1492.1 | 1507.1 |
| 10°    | 1315.9 | 1324.0 | 1328.1 | 1332.2 | 1350.0 | 1367.8 | 1386.9 | 1401.9 | 1429.3 | 1445.7 | 1458.0 |
| 12.5°  | 1261.2 | 1254.4 | 1262.6 | 1277.6 | 1298.1 | 1309.0 | 1335.0 | 1358.2 | 1378.7 | 1396.5 | 1407.4 |
| 15°    | 1190.1 | 1195.6 | 1203.8 | 1229.8 | 1235.2 | 1262.6 | 1272.1 | 1298.1 | 1336.3 | 1352.7 | 1366.4 |
| 17.5°  | 1121.8 | 1139.6 | 1156.0 | 1165.5 | 1181.9 | 1203.8 | 1231.1 | 1259.8 | 1284.4 | 1303.6 | 1320.0 |
| 20°    | 1067.2 | 1084.9 | 1094.5 | 1101.3 | 1117.7 | 1147.8 | 1173.7 | 1209.3 | 1240.7 | 1255.7 | 1277.6 |
| 22.5°  | 1023.4 | 1023.4 | 1037.1 | 1057.6 | 1067.2 | 1095.9 | 1117.7 | 1156.0 | 1190.1 | 1209.3 | 1229.8 |
| 25°    | 968.8  | 977.0  | 987.9  | 1005.7 | 1019.3 | 1042.6 | 1074.0 | 1106.8 | 1143.7 | 1160.1 | 1186.0 |
| 27.5°  | 923.7  | 933.3  | 948.3  | 952.4  | 966.1  | 986.5  | 1019.3 | 1054.9 | 1093.1 | 1110.9 | 1132.8 |
| 30°    | 889.5  | 895.0  | 900.5  | 908.7  | 921.0  | 938.7  | 966.1  | 997.5  | 1043.9 | 1057.6 | 1084.9 |
| 32.5°  | 859.5  | 862.2  | 864.9  | 871.8  | 878.6  | 896.4  | 918.2  | 952.4  | 990.6  | 1011.1 | 1035.7 |
| 35°    | 832.1  | 829.4  | 830.8  | 834.9  | 841.7  | 848.5  | 871.8  | 900.5  | 936.0  | 960.6  | 979.7  |
| 37.5°  | 806.2  | 800.7  | 799.3  | 799.3  | 802.1  | 810.3  | 828.0  | 852.6  | 890.9  | 911.4  | 930.5  |
| 40°    | 777.5  | 772.0  | 769.3  | 767.9  | 766.6  | 772.0  | 785.7  | 810.3  | 840.3  | 859.5  | 881.3  |
| 42.5°  | 750.2  | 744.7  | 737.9  | 736.5  | 733.8  | 736.5  | 746.1  | 769.3  | 795.2  | 814.4  | 832.1  |
| 45°    | 722.8  | 713.3  | 705.1  | 699.6  | 701.0  | 696.9  | 703.7  | 721.5  | 751.5  | 763.8  | 781.6  |
| 47.5°  | 692.8  | 681.8  | 670.9  | 665.4  | 660.0  | 662.7  | 665.4  | 680.5  | 706.4  | 718.7  | 736.5  |
| 50°    | 664.1  | 649.0  | 636.7  | 629.9  | 625.8  | 623.1  | 625.8  | 640.8  | 660.0  | 670.9  | 685.9  |
| 52.5°  | 631.3  | 616.3  | 604.0  | 593.0  | 587.6  | 583.5  | 584.8  | 598.5  | 616.3  | 627.2  | 642.2  |
| 55°    | 601.2  | 582.1  | 565.7  | 552.0  | 547.9  | 546.6  | 545.2  | 554.8  | 569.8  | 580.7  | 593.0  |
| 57.5°  | 567.1  | 547.9  | 530.2  | 513.8  | 505.6  | 504.2  | 504.2  | 506.9  | 526.1  | 534.3  | 541.1  |
| 60°    | 532.9  | 512.4  | 493.3  | 478.2  | 465.9  | 461.8  | 460.5  | 465.9  | 475.5  | 483.7  | 493.3  |
| 62.5°  | 494.6  | 474.1  | 450.9  | 437.3  | 425.0  | 414.0  | 418.1  | 419.5  | 433.2  | 437.3  | 445.4  |
| 65°    | 457.7  | 434.5  | 415.4  | 393.5  | 379.9  | 373.0  | 370.3  | 373.0  | 384.0  | 385.3  | 390.8  |
| 67.5°  | 415.4  | 393.5  | 370.3  | 355.3  | 343.0  | 330.7  | 327.9  | 327.9  | 333.4  | 337.5  | 344.3  |
| 70°    | 374.4  | 352.5  | 326.6  | 310.2  | 297.9  | 286.9  | 282.8  | 281.5  | 285.6  | 288.3  | 295.1  |
| 72.5°  | 326.6  | 304.7  | 285.6  | 267.8  | 252.8  | 244.6  | 240.5  | 237.8  | 241.9  | 244.6  | 246.0  |
| 75°    | 276.0  | 258.3  | 239.1  | 221.4  | 211.8  | 203.6  | 198.1  | 194.0  | 196.8  | 196.8  | 196.8  |
| 77.5°  | 228.2  | 210.4  | 195.4  | 183.1  | 170.8  | 161.2  | 157.1  | 153.0  | 154.4  | 154.4  | 157.1  |
| 80°    | 177.6  | 165.3  | 153.0  | 142.1  | 131.2  | 123.0  | 120.2  | 116.1  | 113.4  | 112.0  | 112.0  |
| 82.5°  | 131.2  | 121.6  | 110.7  | 101.1  | 95.6   | 87.5   | 84.7   | 79.3   | 79.3   | 77.9   | 77.9   |
| 85°    | 87.5   | 82.0   | 71.1   | 64.2   | 60.1   | 56.0   | 53.3   | 50.6   | 46.5   | 46.5   | 45.1   |
| 87.5°  | 46.5   | 43.7   | 41.0   | 32.8   | 32.8   | 28.7   | 27.3   | 26.0   | 21.9   | 23.2   | 23.2   |
| 90°    | 31.5   | 30.0   | 28.5   | 26.9   | 25.4   | 23.4   | 21.3   | 19.3   | 17.2   | 16.2   | 14.8   |
| 92.5°  | 53.9   | 53.1   | 52.4   | 51.6   | 50.8   | 49.5   | 48.2   | 46.9   | 45.6   | 45.0   | 43.3   |
| 95°    | 90.8   | 90.0   | 89.3   | 88.5   | 87.7   | 85.9   | 84.1   | 82.4   | 80.6   | 79.7   | 78.5   |
| 97.5°  | 133.4  | 132.4  | 131.3  | 130.3  | 129.3  | 127.3  | 125.2  | 123.2  | 121.1  | 120.1  | 119.1  |
| 100°   | 178.6  | 178.1  | 177.6  | 177.1  | 176.6  | 174.3  | 172.0  | 169.7  | 167.4  | 166.2  | 165.7  |
| 102.5° | 228.2  | 227.4  | 226.7  | 225.9  | 225.1  | 223.1  | 221.0  | 219.0  | 216.9  | 215.9  | 215.8  |
| 105°   | 277.8  | 277.1  | 276.3  | 275.6  | 274.8  | 273.8  | 272.7  | 271.7  | 270.6  | 270.1  | 270.0  |
| 107.5° | 332.0  | 331.0  | 329.9  | 328.9  | 327.9  | 327.6  | 327.4  | 327.1  | 326.8  | 326.7  | 326.6  |
| 110°   | 382.4  | 382.9  | 383.4  | 383.9  | 384.4  | 384.7  | 384.9  | 385.2  | 385.5  | 385.6  | 385.3  |

TEST NUMBER: P1000612

CATALOG NUMBER: SA4XXDIP-B1020D1205UB40-4F0-XX-W2A-A1

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 441.0  | 441.0  | 441.0  | 441.0  | 441.0  | 441.5  | 442.0  | 442.5  | 443.0  | 443.3  | 443.3  |
| 115°   | 500.0  | 500.3  | 500.5  | 500.8  | 501.0  | 501.5  | 502.1  | 502.6  | 503.1  | 503.4  | 503.4  |
| 117.5° | 555.7  | 556.5  | 557.2  | 558.0  | 558.8  | 559.0  | 559.3  | 559.5  | 559.8  | 559.9  | 559.9  |
| 120°   | 612.5  | 613.8  | 615.1  | 616.3  | 617.6  | 618.4  | 619.2  | 619.9  | 620.7  | 621.1  | 620.6  |
| 122.5° | 672.3  | 673.1  | 673.8  | 674.6  | 675.4  | 675.6  | 675.9  | 676.1  | 676.4  | 676.5  | 676.4  |
| 125°   | 729.9  | 730.4  | 730.9  | 731.4  | 731.9  | 732.2  | 732.4  | 732.7  | 733.0  | 733.1  | 733.1  |
| 127.5° | 784.2  | 784.7  | 785.2  | 785.7  | 786.2  | 786.7  | 787.2  | 787.7  | 788.2  | 788.5  | 788.1  |
| 130°   | 841.9  | 842.4  | 842.9  | 843.4  | 843.9  | 843.9  | 843.9  | 843.9  | 843.9  | 843.9  | 843.5  |
| 132.5° | 896.2  | 896.7  | 897.2  | 897.7  | 898.2  | 898.4  | 898.7  | 898.9  | 899.2  | 899.3  | 899.0  |
| 135°   | 950.4  | 950.9  | 951.4  | 951.9  | 952.4  | 952.4  | 952.4  | 952.4  | 952.4  | 952.4  | 951.6  |
| 137.5° | 1002.5 | 1003.3 | 1004.0 | 1004.8 | 1005.6 | 1005.1 | 1004.5 | 1004.0 | 1003.5 | 1003.2 | 1002.8 |
| 140°   | 1055.3 | 1055.6 | 1055.8 | 1056.1 | 1056.3 | 1056.3 | 1056.3 | 1056.3 | 1056.3 | 1056.3 | 1056.0 |
| 142.5° | 1104.8 | 1104.8 | 1104.8 | 1104.8 | 1104.8 | 1105.1 | 1105.3 | 1105.6 | 1105.9 | 1106.0 | 1105.7 |
| 145°   | 1153.4 | 1153.7 | 1154.0 | 1154.2 | 1154.5 | 1154.2 | 1154.0 | 1153.7 | 1153.4 | 1153.3 | 1152.8 |
| 147.5° | 1198.4 | 1198.7 | 1199.0 | 1199.2 | 1199.5 | 1199.8 | 1200.0 | 1200.3 | 1200.6 | 1200.7 | 1200.1 |
| 150°   | 1241.1 | 1241.1 | 1241.1 | 1241.1 | 1241.1 | 1241.1 | 1241.1 | 1241.1 | 1241.1 | 1241.1 | 1240.6 |
| 152.5° | 1282.2 | 1281.5 | 1280.7 | 1280.0 | 1279.2 | 1278.9 | 1278.7 | 1278.4 | 1278.1 | 1278.0 | 1277.7 |
| 155°   | 1319.1 | 1318.1 | 1317.0 | 1316.0 | 1315.0 | 1315.2 | 1315.5 | 1315.7 | 1316.0 | 1316.1 | 1316.1 |
| 157.5° | 1351.5 | 1350.7 | 1350.0 | 1349.2 | 1348.4 | 1348.4 | 1348.4 | 1348.4 | 1348.4 | 1348.4 | 1348.7 |
| 160°   | 1381.5 | 1380.7 | 1380.0 | 1379.2 | 1378.4 | 1378.7 | 1378.9 | 1379.2 | 1379.5 | 1379.6 | 1379.7 |
| 162.5° | 1410.0 | 1408.5 | 1406.9 | 1405.4 | 1403.8 | 1404.1 | 1404.3 | 1404.6 | 1404.9 | 1405.0 | 1405.4 |
| 165°   | 1433.1 | 1431.6 | 1430.0 | 1428.5 | 1426.9 | 1427.4 | 1427.9 | 1428.4 | 1428.9 | 1429.2 | 1429.6 |
| 167.5° | 1453.8 | 1452.3 | 1450.8 | 1449.2 | 1447.7 | 1447.7 | 1447.7 | 1447.7 | 1447.7 | 1447.7 | 1448.2 |
| 170°   | 1470.0 | 1468.5 | 1467.0 | 1465.4 | 1463.9 | 1463.6 | 1463.4 | 1463.1 | 1462.8 | 1462.7 | 1463.3 |
| 172.5° | 1482.6 | 1480.8 | 1479.0 | 1477.2 | 1475.4 | 1475.4 | 1475.4 | 1475.4 | 1475.4 | 1475.4 | 1475.9 |
| 175°   | 1490.7 | 1488.9 | 1487.1 | 1485.3 | 1483.5 | 1483.8 | 1484.0 | 1484.3 | 1484.6 | 1484.7 | 1485.3 |
| 177.5° | 1496.5 | 1494.7 | 1492.9 | 1491.1 | 1489.3 | 1489.3 | 1489.3 | 1489.3 | 1489.3 | 1489.3 | 1489.9 |
| 180°   | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 | 1492.7 |

TEST NUMBER: P1000612

CATALOG NUMBER: SA4XXDIP-B1020D1205UB40-4F0-XX-W2A-A1

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1649.3 | 1649.3 | 1649.3 | 1649.3 |
| 2.5°   | 1604.2 | 1617.8 | 1630.1 | 1649.3 |
| 5°     | 1568.6 | 1587.8 | 1613.7 | 1642.4 |
| 7.5°   | 1527.6 | 1557.7 | 1591.9 | 1631.5 |
| 10°    | 1489.4 | 1523.5 | 1567.3 | 1615.1 |
| 12.5°  | 1449.8 | 1490.8 | 1538.6 | 1590.5 |
| 15°    | 1404.7 | 1445.7 | 1498.9 | 1568.6 |
| 17.5°  | 1363.7 | 1412.9 | 1470.3 | 1544.0 |
| 20°    | 1315.9 | 1362.3 | 1425.2 | 1509.9 |
| 22.5°  | 1273.5 | 1326.8 | 1396.5 | 1470.3 |
| 25°    | 1227.0 | 1273.5 | 1343.2 | 1432.0 |
| 27.5°  | 1180.6 | 1238.0 | 1304.9 | 1391.0 |
| 30°    | 1135.5 | 1183.3 | 1255.7 | 1345.9 |
| 32.5°  | 1086.3 | 1143.7 | 1210.6 | 1295.4 |
| 35°    | 1033.0 | 1087.7 | 1150.5 | 1242.1 |
| 37.5°  | 985.2  | 1038.5 | 1102.7 | 1183.3 |
| 40°    | 931.9  | 987.9  | 1046.7 | 1127.3 |
| 42.5°  | 880.0  | 930.5  | 989.3  | 1063.1 |
| 45°    | 829.4  | 873.1  | 926.4  | 990.6  |
| 47.5°  | 777.5  | 814.4  | 863.6  | 921.0  |
| 50°    | 721.5  | 761.1  | 798.0  | 845.8  |
| 52.5°  | 669.5  | 703.7  | 733.8  | 773.4  |
| 55°    | 619.0  | 642.2  | 666.8  | 696.9  |
| 57.5°  | 565.7  | 583.5  | 601.2  | 632.6  |
| 60°    | 512.4  | 528.8  | 538.4  | 558.9  |
| 62.5°  | 460.5  | 467.3  | 479.6  | 491.9  |
| 65°    | 403.1  | 412.7  | 419.5  | 434.5  |
| 67.5°  | 351.2  | 355.3  | 362.1  | 371.7  |
| 70°    | 296.5  | 306.1  | 308.8  | 315.6  |
| 72.5°  | 250.1  | 254.2  | 256.9  | 258.3  |
| 75°    | 198.1  | 202.2  | 205.0  | 213.2  |
| 77.5°  | 155.8  | 154.4  | 159.9  | 161.2  |
| 80°    | 114.8  | 110.7  | 112.0  | 117.5  |
| 82.5°  | 75.2   | 76.5   | 75.2   | 75.2   |
| 85°    | 46.5   | 45.1   | 42.4   | 43.7   |
| 87.5°  | 20.5   | 20.5   | 19.1   | 19.1   |
| 90°    | 12.0   | 9.1    | 6.3    | 3.5    |
| 92.5°  | 40.0   | 36.7   | 33.3   | 30.0   |
| 95°    | 76.2   | 73.9   | 71.6   | 69.3   |
| 97.5°  | 117.0  | 114.9  | 112.9  | 110.8  |
| 100°   | 164.7  | 163.6  | 162.6  | 161.6  |
| 102.5° | 215.5  | 215.2  | 215.0  | 214.7  |
| 105°   | 269.7  | 269.5  | 269.2  | 269.0  |
| 107.5° | 326.3  | 326.1  | 325.8  | 325.6  |
| 110°   | 384.8  | 384.3  | 383.8  | 383.3  |

TEST NUMBER: P1000612

CATALOG NUMBER: SA4XXDIP-B1020D1205UB40-4F0-XX-W2A-A1

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 112.5° | 443.3  | 443.3  | 443.3  | 443.3  |
| 115°   | 503.4  | 503.4  | 503.4  | 503.4  |
| 117.5° | 559.9  | 559.9  | 559.9  | 559.9  |
| 120°   | 619.6  | 618.5  | 617.5  | 616.5  |
| 122.5° | 676.1  | 675.9  | 675.6  | 675.4  |
| 125°   | 733.1  | 733.1  | 733.1  | 733.1  |
| 127.5° | 787.3  | 786.6  | 785.8  | 785.0  |
| 130°   | 842.8  | 842.0  | 841.3  | 840.5  |
| 132.5° | 898.5  | 898.0  | 897.5  | 897.0  |
| 135°   | 950.1  | 948.6  | 947.0  | 945.5  |
| 137.5° | 1002.1 | 1001.3 | 1000.6 | 999.8  |
| 140°   | 1055.5 | 1055.0 | 1054.5 | 1054.0 |
| 142.5° | 1105.2 | 1104.7 | 1104.2 | 1103.7 |
| 145°   | 1151.8 | 1150.7 | 1149.7 | 1148.7 |
| 147.5° | 1198.8 | 1197.5 | 1196.2 | 1194.9 |
| 150°   | 1239.5 | 1238.5 | 1237.4 | 1236.4 |
| 152.5° | 1277.2 | 1276.7 | 1276.2 | 1275.7 |
| 155°   | 1316.1 | 1316.1 | 1316.1 | 1316.1 |
| 157.5° | 1349.2 | 1349.7 | 1350.2 | 1350.7 |
| 160°   | 1380.0 | 1380.3 | 1380.5 | 1380.8 |
| 162.5° | 1406.2 | 1406.9 | 1407.7 | 1408.5 |
| 165°   | 1430.4 | 1431.1 | 1431.9 | 1432.7 |
| 167.5° | 1449.2 | 1450.3 | 1451.3 | 1452.3 |
| 170°   | 1464.6 | 1465.9 | 1467.2 | 1468.5 |
| 172.5° | 1476.9 | 1478.0 | 1479.0 | 1480.0 |
| 175°   | 1486.6 | 1487.9 | 1489.1 | 1490.4 |
| 177.5° | 1491.2 | 1492.5 | 1493.8 | 1495.1 |
| 180°   | 1492.7 | 1492.7 | 1492.7 | 1492.7 |

(END OF REPORT)