

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: P1031454

Luminaire Tested: S123DIW-B1165D1320UB40-4F0-XX-W2A-A1

Issue Date: 5/6/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1031454  
REPORT IS A COMBINATION OF REPORTS P990964 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S123DIW-B1165D1320UB40-4F0-XX-W2A-A1  
Description: Define 3 Direct/Indirect Wall Mount with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}  
Light Source: -  
Ballast/Driver: -

**Summary**

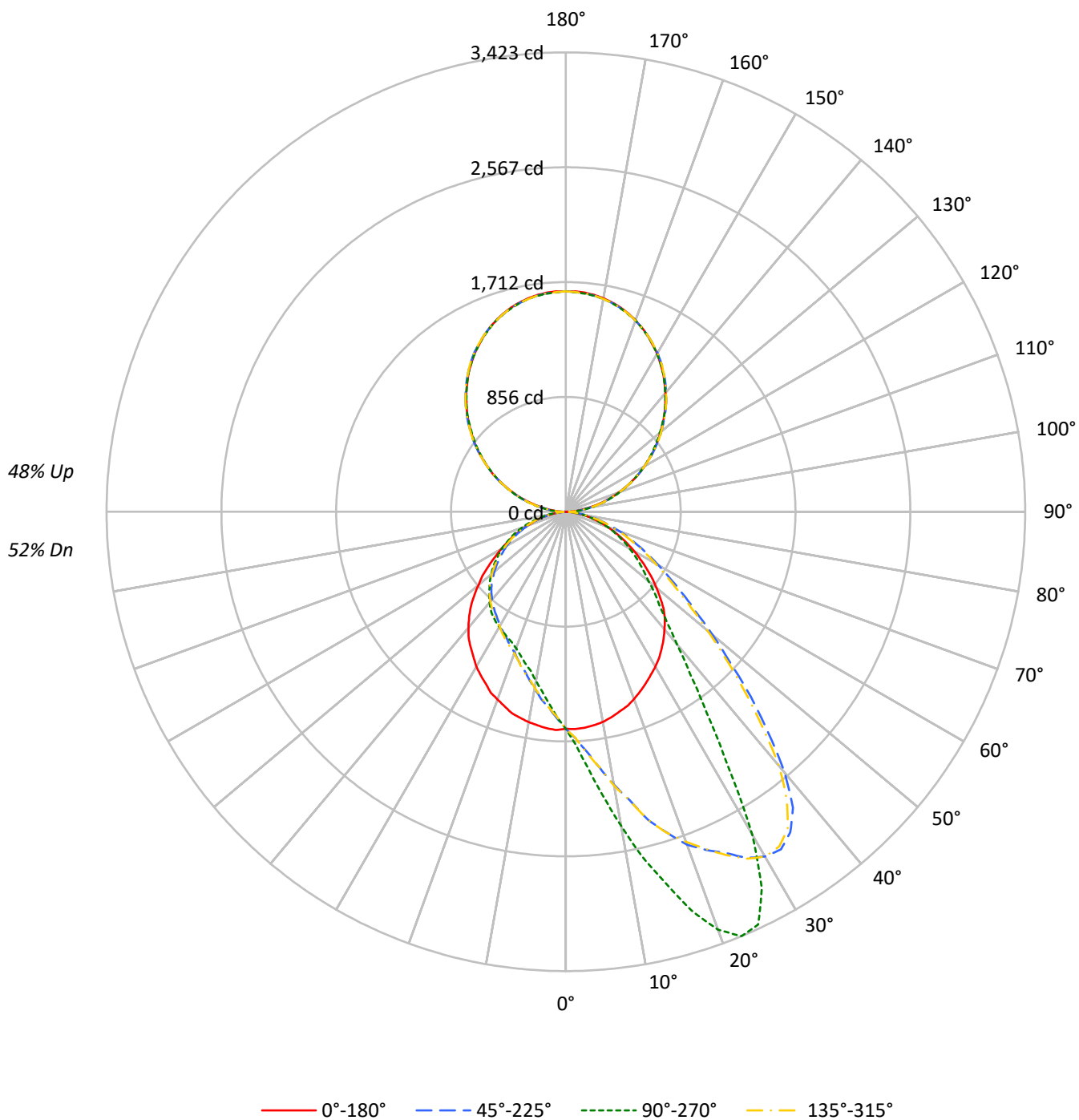
Lumens per Lamp: N/A  
Luminaire Lumens: 9433.0 lumens  
Efficiency: N/A  
Efficacy: 91.2 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 103.4  
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

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### Luminous Intensity Polar Plot



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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   | 108 | 108 | 108 | 108 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 70 | 70 | 70 | 58 | 58 | 58 | 58 | 58 | 52 |
| 1   | 98  | 94  | 90  | 87  | 91 | 87 | 84 | 81 | 74 | 72 | 70 | 62 | 61 | 59 | 51 | 50 | 49 | 49 | 49 | 44 |
| 2   | 90  | 83  | 77  | 72  | 83 | 77 | 71 | 67 | 65 | 62 | 58 | 55 | 52 | 50 | 46 | 44 | 42 | 42 | 42 | 37 |
| 3   | 82  | 73  | 66  | 60  | 76 | 68 | 61 | 56 | 58 | 53 | 49 | 49 | 45 | 43 | 41 | 38 | 36 | 36 | 36 | 32 |
| 4   | 75  | 65  | 57  | 51  | 69 | 60 | 53 | 48 | 52 | 46 | 42 | 44 | 40 | 37 | 36 | 34 | 31 | 31 | 31 | 28 |
| 5   | 69  | 58  | 50  | 44  | 64 | 54 | 47 | 41 | 46 | 41 | 36 | 39 | 35 | 32 | 33 | 30 | 27 | 27 | 27 | 24 |
| 6   | 64  | 52  | 44  | 38  | 59 | 48 | 41 | 36 | 42 | 36 | 32 | 36 | 31 | 28 | 30 | 27 | 24 | 24 | 24 | 21 |
| 7   | 59  | 47  | 39  | 33  | 54 | 44 | 37 | 32 | 38 | 32 | 28 | 32 | 28 | 25 | 27 | 24 | 21 | 21 | 21 | 19 |
| 8   | 55  | 42  | 35  | 29  | 51 | 40 | 33 | 28 | 35 | 29 | 25 | 30 | 25 | 22 | 25 | 22 | 19 | 19 | 19 | 17 |
| 9   | 51  | 39  | 31  | 26  | 47 | 36 | 30 | 25 | 32 | 26 | 22 | 27 | 23 | 20 | 23 | 20 | 17 | 17 | 17 | 15 |
| 10  | 48  | 36  | 28  | 24  | 44 | 33 | 27 | 22 | 29 | 24 | 20 | 25 | 21 | 18 | 21 | 18 | 16 | 16 | 16 | 14 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 17400 | 17400 | 17400 | 17400 |
| 5°  | 17412 | 20048 | 17463 | 14963 |
| 10° | 17301 | 24262 | 17319 | 13067 |
| 15° | 17062 | 28772 | 17201 | 11762 |
| 20° | 16857 | 33127 | 16892 | 10823 |
| 25° | 16551 | 33962 | 16587 | 10333 |
| 30° | 16332 | 28058 | 16332 | 10011 |
| 35° | 16061 | 18765 | 15961 | 9728  |
| 40° | 15738 | 13546 | 15543 | 9295  |
| 45° | 15331 | 10730 | 14888 | 8754  |
| 50° | 14341 | 9113  | 13832 | 8225  |
| 55° | 13254 | 8007  | 12716 | 7633  |
| 60° | 12154 | 6972  | 11506 | 7012  |
| 65° | 10943 | 5970  | 10414 | 6184  |
| 70° | 9686  | 4955  | 9041  | 5213  |
| 75° | 8281  | 3737  | 7745  | 4024  |
| 80° | 6547  | 2496  | 6037  | 2644  |
| 85° | 4515  | 1146  | 3612  | 1042  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 28063 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 159.0  | 1.7       |
| 10°-20°   | 510.6  | 5.4       |
| 20°-30°   | 859.2  | 9.1       |
| 30°-40°   | 971.0  | 10.3      |
| 40°-50°   | 869.7  | 9.2       |
| 50°-60°   | 702.0  | 7.4       |
| 60°-70°   | 489.2  | 5.2       |
| 70°-80°   | 256.8  | 2.7       |
| 80°-90°   | 65.0   | 0.7       |
| 90°-100°  | 105.7  | 1.1       |
| 100°-110° | 320.0  | 3.4       |
| 110°-120° | 544.7  | 5.8       |
| 120°-130° | 716.6  | 7.6       |
| 130°-140° | 805.5  | 8.5       |
| 140°-150° | 791.9  | 8.4       |
| 150°-160° | 666.7  | 7.1       |
| 160°-170° | 443.9  | 4.7       |
| 170°-180° | 155.4  | 1.6       |
| 0°-30°    | 1528.8 | 16.2      |
| 0°-40°    | 2499.8 | 26.5      |
| 0°-60°    | 4071.5 | 43.2      |
| 0°-90°    | 4882.5 | 51.8      |
| 90°-120°  | 970.5  | 10.3      |
| 90°-150°  | 3284.6 | 34.8      |
| 90°-180°  | 4551.0 | 48.2      |
| 0°-180°   | 9433.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1616 | 1616 | 1616 | 1616 | 1616 |      |
| 5°   | 1615 | 1920 | 1620 | 1433 | 1615 | 153  |
| 15°  | 1541 | 2859 | 1554 | 1169 | 1541 | 436  |
| 25°  | 1410 | 3393 | 1413 | 1032 | 1410 | 650  |
| 35°  | 1244 | 1828 | 1236 | 948  | 1244 | 778  |
| 45°  | 1032 | 987  | 1002 | 805  | 1032 | 790  |
| 55°  | 732  | 670  | 702  | 639  | 732  | 655  |
| 65°  | 453  | 436  | 431  | 451  | 453  | 451  |
| 75°  | 218  | 224  | 204  | 241  | 218  | 233  |
| 85°  | 47   | 52   | 38   | 47   | 47   | 54   |
| 90°  | 1    | 39   | 1    | 39   | 1    | 9    |
| 95°  | 76   | 101  | 76   | 101  | 76   | 84   |
| 105° | 290  | 307  | 290  | 307  | 290  | 311  |
| 115° | 548  | 550  | 548  | 550  | 548  | 543  |
| 125° | 802  | 793  | 802  | 793  | 802  | 716  |
| 135° | 1041 | 1040 | 1041 | 1040 | 1041 | 802  |
| 145° | 1263 | 1263 | 1263 | 1263 | 1263 | 789  |
| 155° | 1446 | 1444 | 1446 | 1444 | 1446 | 666  |
| 165° | 1575 | 1570 | 1575 | 1570 | 1575 | 444  |
| 175° | 1638 | 1632 | 1638 | 1632 | 1638 | 156  |
| 180° | 1642 | 1642 | 1642 | 1642 | 1642 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 |
| 2.5°   | 1621.2 | 1633.8 | 1640.0 | 1649.4 | 1658.8 | 1672.9 | 1677.6 | 1685.5 | 1682.3 | 1688.6 | 1691.7 |
| 5°     | 1615.0 | 1636.9 | 1655.7 | 1679.2 | 1701.1 | 1716.8 | 1732.5 | 1757.5 | 1776.3 | 1779.5 | 1793.6 |
| 7.5°   | 1604.0 | 1635.3 | 1668.2 | 1701.1 | 1743.4 | 1768.5 | 1796.7 | 1831.1 | 1859.3 | 1904.8 | 1922.0 |
| 10°    | 1589.9 | 1633.8 | 1680.8 | 1726.2 | 1784.2 | 1823.3 | 1857.8 | 1915.7 | 1973.7 | 2020.7 | 2064.5 |
| 12.5°  | 1568.0 | 1622.8 | 1683.9 | 1751.3 | 1826.4 | 1871.9 | 1918.9 | 1995.6 | 2083.3 | 2155.4 | 2202.4 |
| 15°    | 1541.4 | 1610.3 | 1688.6 | 1760.7 | 1843.7 | 1928.3 | 1978.4 | 2064.5 | 2189.9 | 2257.2 | 2377.8 |
| 17.5°  | 1519.4 | 1589.9 | 1668.2 | 1781.0 | 1893.8 | 1978.4 | 2014.4 | 2172.6 | 2258.8 | 2371.6 | 2507.8 |
| 20°    | 1485.0 | 1574.3 | 1674.5 | 1787.3 | 1933.0 | 1984.7 | 2058.3 | 2218.1 | 2324.6 | 2471.8 | 2639.4 |
| 22.5°  | 1448.9 | 1544.5 | 1665.1 | 1782.6 | 1945.5 | 2000.3 | 2100.6 | 2227.5 | 2396.6 | 2542.3 | 2727.1 |
| 25°    | 1409.8 | 1513.2 | 1635.3 | 1774.8 | 1934.5 | 2014.4 | 2108.4 | 2265.0 | 2448.3 | 2631.6 | 2802.3 |
| 27.5°  | 1370.6 | 1483.4 | 1610.3 | 1749.7 | 1904.8 | 1998.8 | 2092.7 | 2255.6 | 2490.6 | 2689.5 | 2907.3 |
| 30°    | 1333.0 | 1445.8 | 1572.7 | 1715.2 | 1878.1 | 1969.0 | 2058.3 | 2261.9 | 2523.5 | 2747.5 | 2966.8 |
| 32.5°  | 1292.3 | 1408.2 | 1541.4 | 1660.4 | 1824.9 | 1922.0 | 2022.3 | 2261.9 | 2543.9 | 2782.0 | 2982.5 |
| 35°    | 1243.7 | 1362.8 | 1477.1 | 1596.2 | 1759.1 | 1867.2 | 1980.0 | 2246.2 | 2562.7 | 2792.9 | 2916.7 |
| 37.5°  | 1196.7 | 1301.7 | 1400.4 | 1516.3 | 1687.0 | 1803.0 | 1933.0 | 2227.5 | 2553.3 | 2745.9 | 2780.4 |
| 40°    | 1143.5 | 1248.4 | 1328.3 | 1436.4 | 1616.5 | 1751.3 | 1882.8 | 2202.4 | 2512.5 | 2634.7 | 2534.5 |
| 42.5°  | 1091.8 | 1174.8 | 1243.7 | 1348.7 | 1544.5 | 1676.1 | 1818.6 | 2157.0 | 2432.7 | 2457.7 | 2232.2 |
| 45°    | 1032.3 | 1091.8 | 1152.9 | 1271.9 | 1466.2 | 1600.9 | 1759.1 | 2091.2 | 2304.2 | 2232.2 | 1947.1 |
| 47.5°  | 955.5  | 1008.8 | 1076.1 | 1185.8 | 1383.2 | 1522.6 | 1672.9 | 2006.6 | 2117.8 | 1967.4 | 1655.7 |
| 50°    | 881.9  | 927.3  | 990.0  | 1096.5 | 1295.4 | 1431.7 | 1591.5 | 1873.4 | 1928.3 | 1691.7 | 1427.0 |
| 52.5°  | 808.3  | 842.7  | 903.8  | 1010.3 | 1209.3 | 1340.9 | 1486.5 | 1737.2 | 1705.8 | 1452.1 | 1217.1 |
| 55°    | 731.5  | 761.3  | 819.2  | 924.2  | 1109.0 | 1234.3 | 1373.8 | 1569.6 | 1488.1 | 1246.9 | 1058.9 |
| 57.5°  | 656.3  | 687.7  | 747.2  | 834.9  | 1008.8 | 1131.0 | 1242.2 | 1395.7 | 1273.5 | 1080.8 | 914.8  |
| 60°    | 589.0  | 615.6  | 661.0  | 747.2  | 905.4  | 1004.1 | 1105.9 | 1210.8 | 1109.0 | 922.6  | 795.7  |
| 62.5°  | 518.5  | 543.5  | 585.8  | 664.2  | 800.4  | 888.2  | 969.6  | 1055.8 | 943.0  | 806.7  | 693.9  |
| 65°    | 452.7  | 473.1  | 512.2  | 584.3  | 695.5  | 767.5  | 833.3  | 892.9  | 802.0  | 676.7  | 592.1  |
| 67.5°  | 393.2  | 410.4  | 443.3  | 507.5  | 601.5  | 653.2  | 706.5  | 756.6  | 679.8  | 579.6  | 507.5  |
| 70°    | 328.9  | 343.0  | 372.8  | 419.8  | 495.0  | 548.2  | 587.4  | 625.0  | 556.1  | 476.2  | 427.6  |
| 72.5°  | 272.6  | 286.7  | 305.5  | 354.0  | 405.7  | 438.6  | 480.9  | 501.3  | 462.1  | 396.3  | 347.7  |
| 75°    | 217.7  | 228.7  | 245.9  | 277.3  | 325.8  | 347.7  | 374.4  | 390.0  | 354.0  | 310.2  | 280.4  |
| 77.5°  | 170.7  | 175.4  | 188.0  | 209.9  | 242.8  | 267.9  | 288.2  | 297.6  | 272.6  | 244.4  | 219.3  |
| 80°    | 120.6  | 126.9  | 136.3  | 155.1  | 180.1  | 188.0  | 200.5  | 211.5  | 195.8  | 170.7  | 155.1  |
| 82.5°  | 79.9   | 87.7   | 92.4   | 100.3  | 115.9  | 125.3  | 128.4  | 137.8  | 123.7  | 114.3  | 108.1  |
| 85°    | 47.0   | 50.1   | 51.7   | 56.4   | 64.2   | 68.9   | 73.6   | 75.2   | 72.1   | 70.5   | 64.2   |
| 87.5°  | 23.5   | 23.5   | 23.5   | 26.6   | 28.2   | 31.3   | 32.9   | 32.9   | 32.9   | 31.3   | 29.8   |
| 90°    | 1.3    | 4.2    | 7.0    | 9.9    | 12.8   | 14.2   | 16.1   | 19.8   | 23.5   | 27.3   | 31.0   |
| 92.5°  | 38.7   | 40.4   | 42.1   | 43.8   | 45.5   | 46.4   | 47.3   | 49.0   | 50.7   | 52.5   | 54.2   |
| 95°    | 76.1   | 78.1   | 80.1   | 82.1   | 84.1   | 85.1   | 86.3   | 88.6   | 90.9   | 93.2   | 95.5   |
| 97.5°  | 125.1  | 126.5  | 128.0  | 129.4  | 130.9  | 131.6  | 132.5  | 134.2  | 135.9  | 137.6  | 139.3  |
| 100°   | 175.5  | 177.2  | 178.9  | 180.6  | 182.3  | 183.2  | 183.9  | 185.3  | 186.8  | 188.2  | 189.6  |
| 102.5° | 233.5  | 234.4  | 235.2  | 236.1  | 237.0  | 237.4  | 238.4  | 240.4  | 242.4  | 244.4  | 246.4  |
| 105°   | 290.3  | 290.9  | 291.5  | 292.0  | 292.6  | 292.9  | 294.2  | 296.8  | 299.3  | 301.9  | 304.5  |
| 107.5° | 357.4  | 357.7  | 357.9  | 358.2  | 358.5  | 358.6  | 359.2  | 360.3  | 361.5  | 362.6  | 363.8  |
| 110°   | 419.3  | 419.9  | 420.5  | 421.0  | 421.6  | 421.9  | 422.2  | 422.7  | 423.3  | 423.8  | 424.4  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 483.8  | 484.1  | 484.4  | 484.7  | 485.0  | 485.1  | 485.1  | 485.1  | 485.1  | 485.1  | 485.1  |
| 115°   | 548.3  | 549.2  | 550.0  | 550.9  | 551.8  | 552.2  | 551.9  | 551.3  | 550.8  | 550.2  | 549.6  |
| 117.5° | 614.1  | 614.4  | 614.7  | 615.0  | 615.3  | 615.4  | 615.1  | 614.5  | 614.0  | 613.4  | 612.8  |
| 120°   | 674.7  | 676.4  | 678.2  | 679.9  | 681.6  | 682.5  | 681.8  | 680.3  | 678.9  | 677.4  | 676.0  |
| 122.5° | 737.9  | 739.1  | 740.2  | 741.4  | 742.5  | 743.1  | 742.8  | 742.2  | 741.7  | 741.1  | 740.5  |
| 125°   | 802.4  | 803.3  | 804.1  | 805.0  | 805.9  | 806.3  | 806.0  | 805.4  | 804.9  | 804.3  | 803.7  |
| 127.5° | 861.8  | 863.5  | 865.2  | 866.9  | 868.6  | 869.5  | 869.2  | 868.7  | 868.1  | 867.6  | 867.0  |
| 130°   | 921.1  | 923.4  | 925.7  | 928.0  | 930.3  | 931.5  | 931.1  | 930.2  | 929.3  | 928.5  | 927.6  |
| 132.5° | 980.5  | 982.8  | 985.1  | 987.4  | 989.7  | 990.8  | 990.5  | 989.9  | 989.4  | 988.8  | 988.2  |
| 135°   | 1041.1 | 1042.8 | 1044.6 | 1046.3 | 1048.0 | 1048.9 | 1048.8 | 1048.5 | 1048.2 | 1047.9 | 1047.6 |
| 137.5° | 1096.6 | 1098.0 | 1099.4 | 1100.9 | 1102.3 | 1103.0 | 1103.4 | 1104.3 | 1105.2 | 1106.0 | 1106.9 |
| 140°   | 1154.6 | 1156.0 | 1157.5 | 1158.9 | 1160.4 | 1161.1 | 1161.2 | 1161.5 | 1161.8 | 1162.1 | 1162.4 |
| 142.5° | 1207.5 | 1208.9 | 1210.4 | 1211.8 | 1213.3 | 1214.0 | 1214.3 | 1214.9 | 1215.4 | 1216.0 | 1216.6 |
| 145°   | 1263.0 | 1263.6 | 1264.2 | 1264.7 | 1265.3 | 1265.6 | 1266.0 | 1266.9 | 1267.8 | 1268.6 | 1269.5 |
| 147.5° | 1310.7 | 1311.9 | 1313.0 | 1314.2 | 1315.3 | 1315.9 | 1316.3 | 1317.2 | 1318.1 | 1318.9 | 1319.8 |
| 150°   | 1361.1 | 1361.7 | 1362.2 | 1362.8 | 1363.3 | 1363.6 | 1363.9 | 1364.5 | 1365.0 | 1365.6 | 1366.2 |
| 152.5° | 1402.3 | 1403.2 | 1404.0 | 1404.9 | 1405.8 | 1406.2 | 1406.3 | 1406.6 | 1406.9 | 1407.2 | 1407.5 |
| 155°   | 1446.2 | 1446.2 | 1446.2 | 1446.2 | 1446.2 | 1446.2 | 1446.3 | 1446.6 | 1446.9 | 1447.2 | 1447.5 |
| 157.5° | 1483.6 | 1483.3 | 1483.0 | 1482.7 | 1482.4 | 1482.3 | 1482.4 | 1482.7 | 1483.0 | 1483.3 | 1483.6 |
| 160°   | 1518.5 | 1517.9 | 1517.3 | 1516.8 | 1516.2 | 1515.9 | 1515.9 | 1515.9 | 1515.9 | 1515.9 | 1515.9 |
| 162.5° | 1549.4 | 1548.5 | 1547.7 | 1546.8 | 1545.9 | 1545.5 | 1545.6 | 1545.9 | 1546.2 | 1546.5 | 1546.8 |
| 165°   | 1575.2 | 1574.3 | 1573.5 | 1572.6 | 1571.7 | 1571.3 | 1571.3 | 1571.3 | 1571.3 | 1571.3 | 1571.3 |
| 167.5° | 1597.2 | 1596.0 | 1594.9 | 1593.7 | 1592.6 | 1592.0 | 1592.1 | 1592.4 | 1592.7 | 1593.0 | 1593.3 |
| 170°   | 1615.2 | 1614.1 | 1612.9 | 1611.8 | 1610.7 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 |
| 172.5° | 1629.4 | 1628.2 | 1627.1 | 1625.9 | 1624.8 | 1624.2 | 1624.2 | 1624.2 | 1624.2 | 1624.2 | 1624.2 |
| 175°   | 1638.4 | 1637.3 | 1636.1 | 1635.0 | 1633.9 | 1633.3 | 1633.3 | 1633.3 | 1633.3 | 1633.3 | 1633.3 |
| 177.5° | 1643.6 | 1642.4 | 1641.3 | 1640.1 | 1639.0 | 1638.4 | 1638.4 | 1638.4 | 1638.4 | 1638.4 | 1638.4 |
| 180°   | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 |

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CATALOG NUMBER: S123DIW-B1165D1320UB40-4F0-XX-W2A-A1

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 |
| 2.5°   | 1702.7 | 1705.8 | 1716.8 | 1724.6 | 1740.3 | 1738.7 | 1738.7 | 1737.2 | 1732.5 | 1740.3 | 1745.0 |
| 5°     | 1821.7 | 1848.4 | 1851.5 | 1886.0 | 1887.5 | 1901.6 | 1911.0 | 1903.2 | 1922.0 | 1920.4 | 1906.3 |
| 7.5°   | 1969.0 | 2005.0 | 2022.3 | 2055.1 | 2092.7 | 2083.3 | 2119.4 | 2125.6 | 2122.5 | 2138.2 | 2149.1 |
| 10°    | 2130.3 | 2193.0 | 2236.9 | 2297.9 | 2313.6 | 2323.0 | 2346.5 | 2366.9 | 2407.6 | 2376.3 | 2396.6 |
| 12.5°  | 2315.2 | 2360.6 | 2418.6 | 2515.7 | 2564.2 | 2595.6 | 2606.5 | 2620.6 | 2648.8 | 2631.6 | 2633.2 |
| 15°    | 2470.2 | 2531.3 | 2630.0 | 2750.6 | 2764.7 | 2803.9 | 2794.5 | 2879.1 | 2919.8 | 2858.7 | 2893.2 |
| 17.5°  | 2631.6 | 2713.0 | 2830.5 | 2935.5 | 2995.0 | 3021.6 | 3046.7 | 3128.1 | 3125.0 | 3115.6 | 3123.4 |
| 20°    | 2735.0 | 2868.1 | 3013.8 | 3153.2 | 3170.4 | 3190.8 | 3258.2 | 3292.6 | 3286.4 | 3313.0 | 3330.2 |
| 22.5°  | 2880.7 | 3021.6 | 3176.7 | 3269.1 | 3308.3 | 3331.8 | 3385.0 | 3407.0 | 3416.4 | 3422.6 | 3411.7 |
| 25°    | 3002.8 | 3153.2 | 3267.6 | 3349.0 | 3372.5 | 3385.0 | 3402.3 | 3408.5 | 3403.8 | 3392.9 | 3402.3 |
| 27.5°  | 3085.9 | 3206.5 | 3284.8 | 3322.4 | 3309.8 | 3289.5 | 3256.6 | 3234.7 | 3186.1 | 3162.6 | 3190.8 |
| 30°    | 3120.3 | 3173.6 | 3197.1 | 3134.4 | 3071.8 | 3021.6 | 2959.0 | 2843.1 | 2752.2 | 2778.8 | 2742.8 |
| 32.5°  | 3065.5 | 3031.0 | 2918.2 | 2756.9 | 2708.3 | 2626.9 | 2449.9 | 2313.6 | 2318.3 | 2246.2 | 2276.0 |
| 35°    | 2904.1 | 2747.5 | 2534.5 | 2290.1 | 2225.9 | 2182.0 | 1987.8 | 1958.0 | 1895.4 | 1828.0 | 1846.8 |
| 37.5°  | 2619.1 | 2390.4 | 2131.9 | 1951.8 | 1856.2 | 1760.7 | 1651.0 | 1585.2 | 1547.6 | 1519.4 | 1541.4 |
| 40°    | 2271.3 | 1992.5 | 1779.5 | 1618.1 | 1536.7 | 1475.6 | 1400.4 | 1334.6 | 1292.3 | 1287.6 | 1295.4 |
| 42.5°  | 1929.8 | 1694.9 | 1499.1 | 1345.6 | 1318.9 | 1246.9 | 1198.3 | 1146.6 | 1134.1 | 1113.7 | 1124.7 |
| 45°    | 1633.8 | 1442.7 | 1281.3 | 1156.0 | 1124.7 | 1105.9 | 1046.4 | 1013.5 | 999.4  | 986.8  | 1005.6 |
| 47.5°  | 1419.2 | 1218.7 | 1101.2 | 1026.0 | 994.7  | 963.3  | 930.5  | 908.5  | 897.6  | 899.1  | 897.6  |
| 50°    | 1212.4 | 1065.2 | 961.8  | 903.8  | 885.0  | 863.1  | 836.5  | 822.4  | 817.7  | 803.6  | 814.5  |
| 52.5°  | 1043.2 | 936.7  | 864.7  | 809.8  | 795.7  | 780.1  | 758.1  | 750.3  | 739.4  | 736.2  | 736.2  |
| 55°    | 907.0  | 823.9  | 766.0  | 730.0  | 712.7  | 700.2  | 687.7  | 678.3  | 670.4  | 670.4  | 670.4  |
| 57.5°  | 800.4  | 728.4  | 686.1  | 654.8  | 648.5  | 636.0  | 621.9  | 621.9  | 610.9  | 609.3  | 614.0  |
| 60°    | 709.6  | 645.4  | 612.5  | 585.8  | 576.4  | 573.3  | 559.2  | 559.2  | 556.1  | 548.2  | 554.5  |
| 62.5°  | 617.2  | 570.2  | 542.0  | 521.6  | 512.2  | 512.2  | 501.3  | 493.4  | 493.4  | 495.0  | 491.9  |
| 65°    | 532.6  | 498.1  | 473.1  | 457.4  | 452.7  | 446.4  | 444.9  | 438.6  | 433.9  | 435.5  | 433.9  |
| 67.5°  | 457.4  | 430.8  | 413.5  | 401.0  | 393.2  | 390.0  | 385.3  | 385.3  | 382.2  | 383.8  | 375.9  |
| 70°    | 390.0  | 363.4  | 349.3  | 336.8  | 333.6  | 333.6  | 327.4  | 328.9  | 325.8  | 330.5  | 327.4  |
| 72.5°  | 321.1  | 300.8  | 289.8  | 285.1  | 282.0  | 280.4  | 277.3  | 274.1  | 272.6  | 275.7  | 274.1  |
| 75°    | 260.0  | 242.8  | 235.0  | 231.8  | 228.7  | 228.7  | 227.1  | 225.6  | 224.0  | 224.0  | 224.0  |
| 77.5°  | 202.1  | 191.1  | 181.7  | 184.8  | 180.1  | 181.7  | 177.0  | 177.0  | 178.6  | 177.0  | 177.0  |
| 80°    | 148.8  | 141.0  | 141.0  | 137.8  | 131.6  | 134.7  | 134.7  | 130.0  | 128.4  | 131.6  | 126.9  |
| 82.5°  | 98.7   | 97.1   | 94.0   | 92.4   | 89.3   | 90.9   | 89.3   | 87.7   | 86.2   | 89.3   | 86.2   |
| 85°    | 58.0   | 58.0   | 56.4   | 53.3   | 56.4   | 54.8   | 53.3   | 53.3   | 51.7   | 51.7   | 51.7   |
| 87.5°  | 29.8   | 26.6   | 26.6   | 25.1   | 26.6   | 23.5   | 25.1   | 23.5   | 21.9   | 23.5   | 21.9   |
| 90°    | 32.1   | 33.3   | 34.4   | 35.5   | 36.1   | 36.4   | 37.0   | 37.5   | 38.1   | 38.7   | 38.1   |
| 92.5°  | 55.1   | 55.9   | 56.8   | 57.7   | 58.1   | 57.8   | 57.2   | 56.7   | 56.1   | 55.5   | 56.1   |
| 95°    | 96.6   | 97.8   | 98.9   | 100.0  | 100.6  | 100.6  | 100.6  | 100.6  | 100.6  | 100.6  | 100.6  |
| 97.5°  | 140.7  | 142.2  | 143.6  | 145.1  | 145.8  | 145.7  | 145.4  | 145.1  | 144.8  | 144.5  | 144.8  |
| 100°   | 190.5  | 191.3  | 192.2  | 193.1  | 193.5  | 193.8  | 194.4  | 194.9  | 195.5  | 196.1  | 195.5  |
| 102.5° | 247.3  | 248.1  | 249.0  | 249.9  | 250.3  | 250.2  | 249.9  | 249.6  | 249.3  | 249.0  | 249.3  |
| 105°   | 304.5  | 304.5  | 304.5  | 304.5  | 304.5  | 304.8  | 305.3  | 305.9  | 306.4  | 307.0  | 306.4  |
| 107.5° | 364.7  | 365.5  | 366.4  | 367.3  | 367.7  | 367.6  | 367.3  | 367.0  | 366.7  | 366.4  | 366.7  |
| 110°   | 425.6  | 426.7  | 427.9  | 429.0  | 429.6  | 429.3  | 428.7  | 428.2  | 427.6  | 427.0  | 427.6  |



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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 486.5  | 487.9  | 489.4  | 490.8  | 491.5  | 491.5  | 491.5  | 491.5  | 491.5  | 491.5  | 491.5  |
| 115°   | 549.9  | 550.2  | 550.5  | 550.8  | 550.9  | 550.8  | 550.5  | 550.2  | 549.9  | 549.6  | 549.9  |
| 117.5° | 612.8  | 612.8  | 612.8  | 612.8  | 612.8  | 612.4  | 611.5  | 610.6  | 609.8  | 608.9  | 609.8  |
| 120°   | 675.7  | 675.4  | 675.1  | 674.8  | 674.7  | 674.4  | 673.8  | 673.3  | 672.7  | 672.1  | 672.7  |
| 122.5° | 739.7  | 738.8  | 738.0  | 737.1  | 736.7  | 736.3  | 735.4  | 734.5  | 733.7  | 732.8  | 733.7  |
| 125°   | 802.6  | 801.4  | 800.3  | 799.2  | 798.6  | 798.0  | 796.9  | 795.7  | 794.6  | 793.4  | 794.6  |
| 127.5° | 865.3  | 863.5  | 861.8  | 860.1  | 859.2  | 858.6  | 857.5  | 856.4  | 855.2  | 854.1  | 855.2  |
| 130°   | 926.4  | 925.3  | 924.1  | 923.0  | 922.4  | 921.4  | 919.4  | 917.4  | 915.4  | 913.4  | 915.4  |
| 132.5° | 986.8  | 985.4  | 983.9  | 982.5  | 981.8  | 981.1  | 979.6  | 978.2  | 976.7  | 975.3  | 976.7  |
| 135°   | 1046.4 | 1045.3 | 1044.1 | 1043.0 | 1042.4 | 1042.1 | 1041.5 | 1041.0 | 1040.4 | 1039.8 | 1040.4 |
| 137.5° | 1105.5 | 1104.1 | 1102.6 | 1101.2 | 1100.5 | 1100.1 | 1099.2 | 1098.3 | 1097.5 | 1096.6 | 1097.5 |
| 140°   | 1162.1 | 1161.8 | 1161.5 | 1161.2 | 1161.1 | 1160.1 | 1158.1 | 1156.1 | 1154.1 | 1152.1 | 1154.1 |
| 142.5° | 1216.3 | 1216.0 | 1215.7 | 1215.4 | 1215.3 | 1214.6 | 1213.1 | 1211.7 | 1210.2 | 1208.8 | 1210.2 |
| 145°   | 1269.2 | 1268.9 | 1268.6 | 1268.3 | 1268.2 | 1267.6 | 1266.5 | 1265.3 | 1264.2 | 1263.0 | 1264.2 |
| 147.5° | 1319.8 | 1319.8 | 1319.8 | 1319.8 | 1319.8 | 1318.9 | 1317.2 | 1315.5 | 1313.7 | 1312.0 | 1313.7 |
| 150°   | 1366.2 | 1366.2 | 1366.2 | 1366.2 | 1366.2 | 1365.3 | 1363.6 | 1361.9 | 1360.2 | 1358.5 | 1360.2 |
| 152.5° | 1408.1 | 1408.7 | 1409.2 | 1409.8 | 1410.1 | 1409.4 | 1407.9 | 1406.5 | 1405.0 | 1403.6 | 1405.0 |
| 155°   | 1448.7 | 1449.8 | 1451.0 | 1452.1 | 1452.7 | 1451.7 | 1449.7 | 1447.6 | 1445.6 | 1443.6 | 1445.6 |
| 157.5° | 1484.8 | 1485.9 | 1487.1 | 1488.2 | 1488.8 | 1487.9 | 1486.2 | 1484.5 | 1482.7 | 1481.0 | 1482.7 |
| 160°   | 1517.3 | 1518.7 | 1520.2 | 1521.6 | 1522.3 | 1521.7 | 1520.6 | 1519.5 | 1518.3 | 1517.2 | 1518.3 |
| 162.5° | 1548.2 | 1549.7 | 1551.1 | 1552.6 | 1553.3 | 1552.3 | 1550.3 | 1548.3 | 1546.3 | 1544.3 | 1546.3 |
| 165°   | 1573.0 | 1574.8 | 1576.5 | 1578.2 | 1579.1 | 1578.1 | 1576.1 | 1574.1 | 1572.1 | 1570.1 | 1572.1 |
| 167.5° | 1595.0 | 1596.7 | 1598.4 | 1600.1 | 1601.0 | 1600.1 | 1598.4 | 1596.7 | 1595.0 | 1593.3 | 1595.0 |
| 170°   | 1612.1 | 1614.1 | 1616.1 | 1618.1 | 1619.1 | 1618.1 | 1616.1 | 1614.1 | 1612.1 | 1610.1 | 1612.1 |
| 172.5° | 1625.9 | 1627.7 | 1629.4 | 1631.1 | 1632.0 | 1631.0 | 1629.0 | 1627.0 | 1625.0 | 1623.0 | 1625.0 |
| 175°   | 1635.0 | 1636.7 | 1638.4 | 1640.1 | 1641.0 | 1640.0 | 1638.0 | 1636.0 | 1634.0 | 1632.0 | 1634.0 |
| 177.5° | 1640.1 | 1641.9 | 1643.6 | 1645.3 | 1646.2 | 1645.2 | 1643.2 | 1641.1 | 1639.1 | 1637.1 | 1639.1 |
| 180°   | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 |

TEST NUMBER: P1031454

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**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 |
| 2.5°   | 1732.5 | 1737.2 | 1724.6 | 1721.5 | 1721.5 | 1727.8 | 1723.1 | 1680.8 | 1688.6 | 1679.2 | 1676.1 |
| 5°     | 1923.6 | 1914.2 | 1901.6 | 1895.4 | 1887.5 | 1865.6 | 1864.0 | 1815.5 | 1806.1 | 1774.8 | 1760.7 |
| 7.5°   | 2133.5 | 2125.6 | 2088.0 | 2083.3 | 2080.2 | 2059.8 | 2008.2 | 1956.5 | 1918.9 | 1882.8 | 1848.4 |
| 10°    | 2373.1 | 2349.6 | 2332.4 | 2297.9 | 2280.7 | 2252.5 | 2185.2 | 2136.6 | 2072.4 | 2017.6 | 1945.5 |
| 12.5°  | 2661.4 | 2634.7 | 2576.8 | 2551.7 | 2529.8 | 2451.5 | 2384.1 | 2329.3 | 2204.0 | 2166.4 | 2077.1 |
| 15°    | 2872.8 | 2816.4 | 2810.2 | 2755.3 | 2752.2 | 2666.1 | 2537.6 | 2478.1 | 2381.0 | 2243.1 | 2150.7 |
| 17.5°  | 3101.5 | 3051.4 | 3012.2 | 2946.4 | 2937.0 | 2855.6 | 2761.6 | 2615.9 | 2509.4 | 2377.8 | 2260.3 |
| 20°    | 3269.1 | 3242.5 | 3175.1 | 3148.5 | 3093.7 | 3024.8 | 2927.6 | 2747.5 | 2617.5 | 2485.9 | 2341.8 |
| 22.5°  | 3402.3 | 3375.6 | 3322.4 | 3286.4 | 3255.0 | 3165.7 | 3049.8 | 2896.3 | 2717.7 | 2545.4 | 2396.6 |
| 25°    | 3400.7 | 3392.9 | 3370.9 | 3353.7 | 3330.2 | 3264.4 | 3167.3 | 3020.1 | 2821.1 | 2631.6 | 2424.8 |
| 27.5°  | 3208.0 | 3230.0 | 3267.6 | 3286.4 | 3281.7 | 3272.3 | 3217.4 | 3093.7 | 2915.1 | 2689.5 | 2457.7 |
| 30°    | 2807.0 | 2886.9 | 2957.4 | 3051.4 | 3079.6 | 3148.5 | 3179.8 | 3109.3 | 2966.8 | 2756.9 | 2500.0 |
| 32.5°  | 2327.7 | 2443.6 | 2597.1 | 2648.8 | 2738.1 | 2871.3 | 3020.1 | 3046.7 | 2957.4 | 2796.1 | 2526.6 |
| 35°    | 1909.5 | 2005.0 | 2124.1 | 2205.5 | 2285.4 | 2501.6 | 2689.5 | 2852.5 | 2882.2 | 2775.7 | 2520.4 |
| 37.5°  | 1580.5 | 1647.9 | 1752.8 | 1821.7 | 1895.4 | 2080.2 | 2343.4 | 2554.8 | 2703.6 | 2706.8 | 2503.1 |
| 40°    | 1342.4 | 1372.2 | 1463.0 | 1513.2 | 1583.7 | 1743.4 | 1978.4 | 2254.1 | 2471.8 | 2572.1 | 2457.7 |
| 42.5°  | 1137.2 | 1176.4 | 1251.6 | 1289.2 | 1334.6 | 1474.0 | 1629.1 | 1890.7 | 2160.1 | 2374.7 | 2373.1 |
| 45°    | 1015.0 | 1043.2 | 1077.7 | 1109.0 | 1160.7 | 1243.7 | 1420.7 | 1616.5 | 1875.0 | 2117.8 | 2213.4 |
| 47.5°  | 907.0  | 933.6  | 968.0  | 977.4  | 1011.9 | 1090.2 | 1198.3 | 1369.1 | 1610.3 | 1851.5 | 2031.6 |
| 50°    | 816.1  | 838.0  | 861.5  | 878.8  | 894.4  | 958.7  | 1040.1 | 1184.2 | 1376.9 | 1610.3 | 1834.3 |
| 52.5°  | 745.6  | 761.3  | 781.6  | 791.0  | 805.1  | 852.1  | 914.8  | 1021.3 | 1179.5 | 1392.5 | 1610.3 |
| 55°    | 679.8  | 690.8  | 703.3  | 719.0  | 725.3  | 759.7  | 808.3  | 899.1  | 1016.6 | 1207.7 | 1414.5 |
| 57.5°  | 618.7  | 623.4  | 631.3  | 640.7  | 648.5  | 678.3  | 720.6  | 781.6  | 885.0  | 1032.3 | 1228.1 |
| 60°    | 549.8  | 562.3  | 567.0  | 576.4  | 581.1  | 604.6  | 637.5  | 689.2  | 769.1  | 896.0  | 1043.2 |
| 62.5°  | 491.9  | 499.7  | 507.5  | 512.2  | 523.2  | 531.0  | 557.6  | 604.6  | 670.4  | 764.4  | 897.6  |
| 65°    | 440.2  | 443.3  | 448.0  | 452.7  | 455.8  | 465.2  | 490.3  | 521.6  | 571.7  | 654.8  | 758.1  |
| 67.5°  | 380.6  | 383.8  | 390.0  | 391.6  | 394.7  | 407.3  | 421.4  | 448.0  | 490.3  | 552.9  | 637.5  |
| 70°    | 322.7  | 327.4  | 330.5  | 333.6  | 338.3  | 343.0  | 358.7  | 380.6  | 413.5  | 457.4  | 523.2  |
| 72.5°  | 272.6  | 277.3  | 277.3  | 280.4  | 278.8  | 285.1  | 300.8  | 316.4  | 338.3  | 374.4  | 432.3  |
| 75°    | 222.4  | 222.4  | 225.6  | 227.1  | 228.7  | 235.0  | 241.2  | 253.8  | 271.0  | 299.2  | 335.2  |
| 77.5°  | 175.4  | 173.9  | 177.0  | 177.0  | 177.0  | 181.7  | 188.0  | 194.2  | 205.2  | 225.6  | 253.8  |
| 80°    | 128.4  | 128.4  | 131.6  | 133.1  | 130.0  | 131.6  | 134.7  | 141.0  | 148.8  | 162.9  | 178.6  |
| 82.5°  | 84.6   | 90.9   | 89.3   | 90.9   | 89.3   | 92.4   | 94.0   | 95.6   | 98.7   | 105.0  | 115.9  |
| 85°    | 51.7   | 51.7   | 51.7   | 53.3   | 51.7   | 53.3   | 53.3   | 53.3   | 54.8   | 58.0   | 62.7   |
| 87.5°  | 21.9   | 21.9   | 21.9   | 23.5   | 21.9   | 21.9   | 23.5   | 21.9   | 23.5   | 23.5   | 25.1   |
| 90°    | 37.5   | 37.0   | 36.4   | 36.1   | 35.5   | 34.4   | 33.3   | 32.1   | 31.0   | 27.3   | 23.5   |
| 92.5°  | 56.7   | 57.2   | 57.8   | 58.1   | 57.7   | 56.8   | 55.9   | 55.1   | 54.2   | 52.5   | 50.7   |
| 95°    | 100.6  | 100.6  | 100.6  | 100.6  | 100.0  | 98.9   | 97.8   | 96.6   | 95.5   | 93.2   | 90.9   |
| 97.5°  | 145.1  | 145.4  | 145.7  | 145.8  | 145.1  | 143.6  | 142.2  | 140.7  | 139.3  | 137.6  | 135.9  |
| 100°   | 194.9  | 194.4  | 193.8  | 193.5  | 193.1  | 192.2  | 191.3  | 190.5  | 189.6  | 188.2  | 186.8  |
| 102.5° | 249.6  | 249.9  | 250.2  | 250.3  | 249.9  | 249.0  | 248.1  | 247.3  | 246.4  | 244.4  | 242.4  |
| 105°   | 305.9  | 305.3  | 304.8  | 304.5  | 304.5  | 304.5  | 304.5  | 304.5  | 304.5  | 301.9  | 299.3  |
| 107.5° | 367.0  | 367.3  | 367.6  | 367.7  | 367.3  | 366.4  | 365.5  | 364.7  | 363.8  | 362.6  | 361.5  |
| 110°   | 428.2  | 428.7  | 429.3  | 429.6  | 429.0  | 427.9  | 426.7  | 425.6  | 424.4  | 423.8  | 423.3  |

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**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 491.5  | 491.5  | 491.5  | 491.5  | 490.8  | 489.4  | 487.9  | 486.5  | 485.1  | 485.1  | 485.1  |
| 115°   | 550.2  | 550.5  | 550.8  | 550.9  | 550.8  | 550.5  | 550.2  | 549.9  | 549.6  | 550.2  | 550.8  |
| 117.5° | 610.6  | 611.5  | 612.4  | 612.8  | 612.8  | 612.8  | 612.8  | 612.8  | 612.8  | 613.4  | 614.0  |
| 120°   | 673.3  | 673.8  | 674.4  | 674.7  | 674.8  | 675.1  | 675.4  | 675.7  | 676.0  | 677.4  | 678.9  |
| 122.5° | 734.5  | 735.4  | 736.3  | 736.7  | 737.1  | 738.0  | 738.8  | 739.7  | 740.5  | 741.1  | 741.7  |
| 125°   | 795.7  | 796.9  | 798.0  | 798.6  | 799.2  | 800.3  | 801.4  | 802.6  | 803.7  | 804.3  | 804.9  |
| 127.5° | 856.4  | 857.5  | 858.6  | 859.2  | 860.1  | 861.8  | 863.5  | 865.3  | 867.0  | 867.6  | 868.1  |
| 130°   | 917.4  | 919.4  | 921.4  | 922.4  | 923.0  | 924.1  | 925.3  | 926.4  | 927.6  | 928.5  | 929.3  |
| 132.5° | 978.2  | 979.6  | 981.1  | 981.8  | 982.5  | 983.9  | 985.4  | 986.8  | 988.2  | 988.8  | 989.4  |
| 135°   | 1041.0 | 1041.5 | 1042.1 | 1042.4 | 1043.0 | 1044.1 | 1045.3 | 1046.4 | 1047.6 | 1047.9 | 1048.2 |
| 137.5° | 1098.3 | 1099.2 | 1100.1 | 1100.5 | 1101.2 | 1102.6 | 1104.1 | 1105.5 | 1106.9 | 1106.0 | 1105.2 |
| 140°   | 1156.1 | 1158.1 | 1160.1 | 1161.1 | 1161.2 | 1161.5 | 1161.8 | 1162.1 | 1162.4 | 1162.1 | 1161.8 |
| 142.5° | 1211.7 | 1213.1 | 1214.6 | 1215.3 | 1215.4 | 1215.7 | 1216.0 | 1216.3 | 1216.6 | 1216.0 | 1215.4 |
| 145°   | 1265.3 | 1266.5 | 1267.6 | 1268.2 | 1268.3 | 1268.6 | 1268.9 | 1269.2 | 1269.5 | 1268.6 | 1267.8 |
| 147.5° | 1315.5 | 1317.2 | 1318.9 | 1319.8 | 1319.8 | 1319.8 | 1319.8 | 1319.8 | 1319.8 | 1318.9 | 1318.1 |
| 150°   | 1361.9 | 1363.6 | 1365.3 | 1366.2 | 1366.2 | 1366.2 | 1366.2 | 1366.2 | 1366.2 | 1365.6 | 1365.0 |
| 152.5° | 1406.5 | 1407.9 | 1409.4 | 1410.1 | 1409.8 | 1409.2 | 1408.7 | 1408.1 | 1407.5 | 1407.2 | 1406.9 |
| 155°   | 1447.6 | 1449.7 | 1451.7 | 1452.7 | 1452.1 | 1451.0 | 1449.8 | 1448.7 | 1447.5 | 1447.2 | 1446.9 |
| 157.5° | 1484.5 | 1486.2 | 1487.9 | 1488.8 | 1488.2 | 1487.1 | 1485.9 | 1484.8 | 1483.6 | 1483.3 | 1483.0 |
| 160°   | 1519.5 | 1520.6 | 1521.7 | 1522.3 | 1521.6 | 1520.2 | 1518.7 | 1517.3 | 1515.9 | 1515.9 | 1515.9 |
| 162.5° | 1548.3 | 1550.3 | 1552.3 | 1553.3 | 1552.6 | 1551.1 | 1549.7 | 1548.2 | 1546.8 | 1546.5 | 1546.2 |
| 165°   | 1574.1 | 1576.1 | 1578.1 | 1579.1 | 1578.2 | 1576.5 | 1574.8 | 1573.0 | 1571.3 | 1571.3 | 1571.3 |
| 167.5° | 1596.7 | 1598.4 | 1600.1 | 1601.0 | 1600.1 | 1598.4 | 1596.7 | 1595.0 | 1593.3 | 1593.0 | 1592.7 |
| 170°   | 1614.1 | 1616.1 | 1618.1 | 1619.1 | 1618.1 | 1616.1 | 1614.1 | 1612.1 | 1610.1 | 1610.1 | 1610.1 |
| 172.5° | 1627.0 | 1629.0 | 1631.0 | 1632.0 | 1631.1 | 1629.4 | 1627.7 | 1625.9 | 1624.2 | 1624.2 | 1624.2 |
| 175°   | 1636.0 | 1638.0 | 1640.0 | 1641.0 | 1640.1 | 1638.4 | 1636.7 | 1635.0 | 1633.3 | 1633.3 | 1633.3 |
| 177.5° | 1641.1 | 1643.2 | 1645.2 | 1646.2 | 1645.3 | 1643.6 | 1641.9 | 1640.1 | 1638.4 | 1638.4 | 1638.4 |
| 180°   | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 |
| 2.5°   | 1660.4 | 1655.7 | 1655.7 | 1652.6 | 1643.2 | 1625.9 | 1624.4 | 1627.5 | 1618.1 | 1608.7 | 1594.6 |
| 5°     | 1741.9 | 1712.1 | 1702.7 | 1693.3 | 1674.5 | 1643.2 | 1630.6 | 1619.7 | 1602.4 | 1582.1 | 1560.2 |
| 7.5°   | 1810.8 | 1768.5 | 1756.0 | 1738.7 | 1701.1 | 1657.3 | 1629.1 | 1605.6 | 1582.1 | 1553.9 | 1527.3 |
| 10°    | 1896.9 | 1835.8 | 1806.1 | 1781.0 | 1729.3 | 1668.2 | 1625.9 | 1591.5 | 1553.9 | 1519.4 | 1485.0 |
| 12.5°  | 1994.1 | 1895.4 | 1886.0 | 1824.9 | 1765.4 | 1674.5 | 1622.8 | 1572.7 | 1522.6 | 1480.3 | 1444.2 |
| 15°    | 2075.5 | 1967.4 | 1928.3 | 1887.5 | 1773.2 | 1660.4 | 1610.3 | 1553.9 | 1495.9 | 1450.5 | 1397.2 |
| 17.5°  | 2127.2 | 2037.9 | 1954.9 | 1900.1 | 1781.0 | 1680.8 | 1583.7 | 1519.4 | 1458.3 | 1395.7 | 1351.8 |
| 20°    | 2189.9 | 2059.8 | 1987.8 | 1914.2 | 1796.7 | 1665.1 | 1568.0 | 1488.1 | 1412.9 | 1356.5 | 1303.3 |
| 22.5°  | 2252.5 | 2077.1 | 2017.6 | 1937.7 | 1799.8 | 1649.4 | 1539.8 | 1459.9 | 1373.8 | 1317.4 | 1259.4 |
| 25°    | 2246.2 | 2102.1 | 2003.5 | 1936.1 | 1768.5 | 1635.3 | 1506.9 | 1412.9 | 1333.0 | 1261.0 | 1203.0 |
| 27.5°  | 2250.9 | 2073.9 | 1973.7 | 1895.4 | 1746.6 | 1615.0 | 1472.4 | 1373.8 | 1290.7 | 1215.5 | 1154.5 |
| 30°    | 2252.5 | 2031.6 | 1943.9 | 1849.9 | 1705.8 | 1566.4 | 1433.3 | 1333.0 | 1245.3 | 1163.9 | 1109.0 |
| 32.5°  | 2247.8 | 1997.2 | 1887.5 | 1803.0 | 1641.6 | 1519.4 | 1387.8 | 1281.3 | 1192.0 | 1116.9 | 1065.2 |
| 35°    | 2236.9 | 1956.5 | 1829.6 | 1723.1 | 1575.8 | 1452.1 | 1345.6 | 1235.9 | 1140.4 | 1071.4 | 1011.9 |
| 37.5°  | 2207.1 | 1912.6 | 1768.5 | 1663.5 | 1499.1 | 1373.8 | 1279.8 | 1188.9 | 1096.5 | 1015.0 | 964.9  |
| 40°    | 2185.2 | 1853.1 | 1707.4 | 1593.1 | 1416.0 | 1293.9 | 1215.5 | 1129.4 | 1038.5 | 964.9  | 916.4  |
| 42.5°  | 2135.0 | 1796.7 | 1644.7 | 1508.5 | 1334.6 | 1209.3 | 1135.7 | 1066.7 | 988.4  | 916.4  | 872.5  |
| 45°    | 2053.6 | 1735.6 | 1568.0 | 1430.1 | 1245.3 | 1126.3 | 1058.9 | 1002.5 | 933.6  | 864.7  | 820.8  |
| 47.5°  | 1939.2 | 1647.9 | 1486.5 | 1348.7 | 1157.6 | 1037.0 | 969.6  | 927.3  | 872.5  | 814.5  | 776.9  |
| 50°    | 1815.5 | 1552.3 | 1403.5 | 1267.2 | 1073.0 | 955.5  | 889.7  | 850.6  | 814.5  | 761.3  | 725.3  |
| 52.5°  | 1654.1 | 1450.5 | 1308.0 | 1177.9 | 982.1  | 869.4  | 811.4  | 783.2  | 745.6  | 708.0  | 676.7  |
| 55°    | 1497.5 | 1318.9 | 1201.4 | 1077.7 | 892.9  | 787.9  | 731.5  | 701.8  | 679.8  | 648.5  | 623.4  |
| 57.5°  | 1315.8 | 1196.7 | 1088.7 | 975.9  | 809.8  | 714.3  | 661.0  | 625.0  | 610.9  | 596.8  | 573.3  |
| 60°    | 1148.2 | 1057.3 | 969.6  | 875.6  | 723.7  | 637.5  | 585.8  | 557.6  | 543.5  | 534.1  | 518.5  |
| 62.5°  | 994.7  | 924.2  | 849.0  | 773.8  | 636.0  | 557.6  | 518.5  | 490.3  | 477.8  | 476.2  | 462.1  |
| 65°    | 847.4  | 797.3  | 736.2  | 662.6  | 554.5  | 485.6  | 448.0  | 430.8  | 416.7  | 416.7  | 405.7  |
| 67.5°  | 700.2  | 665.7  | 617.2  | 565.5  | 480.9  | 416.7  | 382.2  | 366.5  | 358.7  | 358.7  | 350.9  |
| 70°    | 582.7  | 559.2  | 515.4  | 469.9  | 396.3  | 347.7  | 321.1  | 307.0  | 302.3  | 303.9  | 297.6  |
| 72.5°  | 473.1  | 448.0  | 412.0  | 379.1  | 324.2  | 288.2  | 269.4  | 253.8  | 245.9  | 247.5  | 245.9  |
| 75°    | 366.5  | 354.0  | 322.7  | 297.6  | 253.8  | 228.7  | 211.5  | 203.6  | 197.4  | 198.9  | 195.8  |
| 77.5°  | 275.7  | 256.9  | 239.7  | 222.4  | 195.8  | 175.4  | 161.3  | 153.5  | 148.8  | 148.8  | 148.8  |
| 80°    | 188.0  | 184.8  | 170.7  | 161.3  | 139.4  | 123.7  | 112.8  | 111.2  | 106.5  | 106.5  | 106.5  |
| 82.5°  | 122.2  | 114.3  | 106.5  | 100.3  | 87.7   | 78.3   | 73.6   | 70.5   | 68.9   | 67.4   | 70.5   |
| 85°    | 67.4   | 62.7   | 59.5   | 53.3   | 48.6   | 43.9   | 39.2   | 37.6   | 36.0   | 37.6   | 36.0   |
| 87.5°  | 26.6   | 21.9   | 21.9   | 20.4   | 18.8   | 17.2   | 17.2   | 14.1   | 14.1   | 12.5   | 12.5   |
| 90°    | 19.8   | 16.1   | 14.2   | 12.8   | 9.9    | 7.0    | 4.2    | 1.3    | 4.2    | 7.0    | 9.9    |
| 92.5°  | 49.0   | 47.3   | 46.4   | 45.5   | 43.8   | 42.1   | 40.4   | 38.7   | 40.4   | 42.1   | 43.8   |
| 95°    | 88.6   | 86.3   | 85.1   | 84.1   | 82.1   | 80.1   | 78.1   | 76.1   | 78.1   | 80.1   | 82.1   |
| 97.5°  | 134.2  | 132.5  | 131.6  | 130.9  | 129.4  | 128.0  | 126.5  | 125.1  | 126.5  | 128.0  | 129.4  |
| 100°   | 185.3  | 183.9  | 183.2  | 182.3  | 180.6  | 178.9  | 177.2  | 175.5  | 177.2  | 178.9  | 180.6  |
| 102.5° | 240.4  | 238.4  | 237.4  | 237.0  | 236.1  | 235.2  | 234.4  | 233.5  | 234.4  | 235.2  | 236.1  |
| 105°   | 296.8  | 294.2  | 292.9  | 292.6  | 292.0  | 291.5  | 290.9  | 290.3  | 290.9  | 291.5  | 292.0  |
| 107.5° | 360.3  | 359.2  | 358.6  | 358.5  | 358.2  | 357.9  | 357.7  | 357.4  | 357.7  | 357.9  | 358.2  |
| 110°   | 422.7  | 422.2  | 421.9  | 421.6  | 421.0  | 420.5  | 419.9  | 419.3  | 419.9  | 420.5  | 421.0  |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 485.1  | 485.1  | 485.1  | 485.0  | 484.7  | 484.4  | 484.1  | 483.8  | 484.1  | 484.4  | 484.7  |
| 115°   | 551.3  | 551.9  | 552.2  | 551.8  | 550.9  | 550.0  | 549.2  | 548.3  | 549.2  | 550.0  | 550.9  |
| 117.5° | 614.5  | 615.1  | 615.4  | 615.3  | 615.0  | 614.7  | 614.4  | 614.1  | 614.4  | 614.7  | 615.0  |
| 120°   | 680.3  | 681.8  | 682.5  | 681.6  | 679.9  | 678.2  | 676.4  | 674.7  | 676.4  | 678.2  | 679.9  |
| 122.5° | 742.2  | 742.8  | 743.1  | 742.5  | 741.4  | 740.2  | 739.1  | 737.9  | 739.1  | 740.2  | 741.4  |
| 125°   | 805.4  | 806.0  | 806.3  | 805.9  | 805.0  | 804.1  | 803.3  | 802.4  | 803.3  | 804.1  | 805.0  |
| 127.5° | 868.7  | 869.2  | 869.5  | 868.6  | 866.9  | 865.2  | 863.5  | 861.8  | 863.5  | 865.2  | 866.9  |
| 130°   | 930.2  | 931.1  | 931.5  | 930.3  | 928.0  | 925.7  | 923.4  | 921.1  | 923.4  | 925.7  | 928.0  |
| 132.5° | 989.9  | 990.5  | 990.8  | 989.7  | 987.4  | 985.1  | 982.8  | 980.5  | 982.8  | 985.1  | 987.4  |
| 135°   | 1048.5 | 1048.8 | 1048.9 | 1048.0 | 1046.3 | 1044.6 | 1042.8 | 1041.1 | 1042.8 | 1044.6 | 1046.3 |
| 137.5° | 1104.3 | 1103.4 | 1103.0 | 1102.3 | 1100.9 | 1099.4 | 1098.0 | 1096.6 | 1098.0 | 1099.4 | 1100.9 |
| 140°   | 1161.5 | 1161.2 | 1161.1 | 1160.4 | 1158.9 | 1157.5 | 1156.0 | 1154.6 | 1156.0 | 1157.5 | 1158.9 |
| 142.5° | 1214.9 | 1214.3 | 1214.0 | 1213.3 | 1211.8 | 1210.4 | 1208.9 | 1207.5 | 1208.9 | 1210.4 | 1211.8 |
| 145°   | 1266.9 | 1266.0 | 1265.6 | 1265.3 | 1264.7 | 1264.2 | 1263.6 | 1263.0 | 1263.6 | 1264.2 | 1264.7 |
| 147.5° | 1317.2 | 1316.3 | 1315.9 | 1315.3 | 1314.2 | 1313.0 | 1311.9 | 1310.7 | 1311.9 | 1313.0 | 1314.2 |
| 150°   | 1364.5 | 1363.9 | 1363.6 | 1363.3 | 1362.8 | 1362.2 | 1361.7 | 1361.1 | 1361.7 | 1362.2 | 1362.8 |
| 152.5° | 1406.6 | 1406.3 | 1406.2 | 1405.8 | 1404.9 | 1404.0 | 1403.2 | 1402.3 | 1403.2 | 1404.0 | 1404.9 |
| 155°   | 1446.6 | 1446.3 | 1446.2 | 1446.2 | 1446.2 | 1446.2 | 1446.2 | 1446.2 | 1446.2 | 1446.2 | 1446.2 |
| 157.5° | 1482.7 | 1482.4 | 1482.3 | 1482.4 | 1482.7 | 1483.0 | 1483.3 | 1483.6 | 1483.3 | 1483.0 | 1482.7 |
| 160°   | 1515.9 | 1515.9 | 1515.9 | 1516.2 | 1516.8 | 1517.3 | 1517.9 | 1518.5 | 1517.9 | 1517.3 | 1516.8 |
| 162.5° | 1545.9 | 1545.6 | 1545.5 | 1545.9 | 1546.8 | 1547.7 | 1548.5 | 1549.4 | 1548.5 | 1547.7 | 1546.8 |
| 165°   | 1571.3 | 1571.3 | 1571.3 | 1571.7 | 1572.6 | 1573.5 | 1574.3 | 1575.2 | 1574.3 | 1573.5 | 1572.6 |
| 167.5° | 1592.4 | 1592.1 | 1592.0 | 1592.6 | 1593.7 | 1594.9 | 1596.0 | 1597.2 | 1596.0 | 1594.9 | 1593.7 |
| 170°   | 1610.1 | 1610.1 | 1610.1 | 1610.7 | 1611.8 | 1612.9 | 1614.1 | 1615.2 | 1614.1 | 1612.9 | 1611.8 |
| 172.5° | 1624.2 | 1624.2 | 1624.2 | 1624.8 | 1625.9 | 1627.1 | 1628.2 | 1629.4 | 1628.2 | 1627.1 | 1625.9 |
| 175°   | 1633.3 | 1633.3 | 1633.3 | 1633.9 | 1635.0 | 1636.1 | 1637.3 | 1638.4 | 1637.3 | 1636.1 | 1635.0 |
| 177.5° | 1638.4 | 1638.4 | 1638.4 | 1639.0 | 1640.1 | 1641.3 | 1642.4 | 1643.6 | 1642.4 | 1641.3 | 1640.1 |
| 180°   | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 |

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**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 |
| 2.5°   | 1591.5 | 1589.9 | 1593.1 | 1583.7 | 1568.0 | 1560.2 | 1538.2 | 1533.5 | 1532.0 | 1533.5 | 1535.1 |
| 5°     | 1547.6 | 1546.1 | 1541.4 | 1525.7 | 1506.9 | 1492.8 | 1466.2 | 1464.6 | 1455.2 | 1445.8 | 1450.5 |
| 7.5°   | 1505.3 | 1499.1 | 1489.7 | 1469.3 | 1444.2 | 1428.6 | 1406.6 | 1391.0 | 1378.5 | 1370.6 | 1364.4 |
| 10°    | 1463.0 | 1453.6 | 1444.2 | 1417.6 | 1386.3 | 1362.8 | 1336.2 | 1323.6 | 1309.5 | 1303.3 | 1297.0 |
| 12.5°  | 1408.2 | 1398.8 | 1381.6 | 1350.3 | 1331.5 | 1301.7 | 1275.1 | 1262.5 | 1254.7 | 1242.2 | 1234.3 |
| 15°    | 1364.4 | 1345.6 | 1336.2 | 1303.3 | 1264.1 | 1261.0 | 1212.4 | 1209.3 | 1193.6 | 1193.6 | 1181.1 |
| 17.5°  | 1314.2 | 1300.1 | 1282.9 | 1250.0 | 1221.8 | 1193.6 | 1168.6 | 1159.2 | 1145.1 | 1141.9 | 1135.7 |
| 20°    | 1265.7 | 1246.9 | 1240.6 | 1207.7 | 1177.9 | 1143.5 | 1116.9 | 1107.5 | 1101.2 | 1094.9 | 1099.6 |
| 22.5°  | 1215.5 | 1199.9 | 1184.2 | 1154.5 | 1132.5 | 1098.1 | 1082.4 | 1073.0 | 1063.6 | 1060.5 | 1062.0 |
| 25°    | 1167.0 | 1152.9 | 1137.2 | 1107.5 | 1084.0 | 1055.8 | 1041.7 | 1037.0 | 1032.3 | 1032.3 | 1030.7 |
| 27.5°  | 1120.0 | 1105.9 | 1091.8 | 1065.2 | 1041.7 | 1021.3 | 1010.3 | 1005.6 | 1000.9 | 1004.1 | 1007.2 |
| 30°    | 1071.4 | 1058.9 | 1046.4 | 1022.9 | 1004.1 | 985.3  | 979.0  | 975.9  | 974.3  | 982.1  | 982.1  |
| 32.5°  | 1027.6 | 1016.6 | 1007.2 | 985.3  | 966.5  | 950.8  | 946.1  | 947.7  | 949.3  | 954.0  | 957.1  |
| 35°    | 982.1  | 974.3  | 964.9  | 946.1  | 930.5  | 916.4  | 917.9  | 917.9  | 921.1  | 928.9  | 935.2  |
| 37.5°  | 941.4  | 930.5  | 922.6  | 907.0  | 894.4  | 881.9  | 886.6  | 891.3  | 894.4  | 903.8  | 907.0  |
| 40°    | 892.9  | 888.2  | 881.9  | 866.2  | 855.3  | 853.7  | 855.3  | 858.4  | 864.7  | 869.4  | 874.1  |
| 42.5°  | 853.7  | 847.4  | 839.6  | 827.1  | 817.7  | 819.2  | 820.8  | 823.9  | 827.1  | 834.9  | 839.6  |
| 45°    | 809.8  | 805.1  | 798.9  | 787.9  | 780.1  | 781.6  | 783.2  | 783.2  | 786.3  | 795.7  | 798.9  |
| 47.5°  | 761.3  | 762.8  | 755.0  | 744.1  | 739.4  | 739.4  | 739.4  | 742.5  | 750.3  | 753.4  | 755.0  |
| 50°    | 714.3  | 711.2  | 709.6  | 698.6  | 695.5  | 693.9  | 695.5  | 697.1  | 708.0  | 706.5  | 711.2  |
| 52.5°  | 664.2  | 664.2  | 662.6  | 656.3  | 651.6  | 651.6  | 648.5  | 656.3  | 659.5  | 662.6  | 667.3  |
| 55°    | 615.6  | 610.9  | 609.3  | 606.2  | 599.9  | 598.4  | 601.5  | 610.9  | 614.0  | 617.2  | 621.9  |
| 57.5°  | 562.3  | 562.3  | 559.2  | 554.5  | 554.5  | 554.5  | 554.5  | 560.8  | 565.5  | 568.6  | 578.0  |
| 60°    | 513.8  | 507.5  | 502.8  | 502.8  | 502.8  | 501.3  | 510.7  | 510.7  | 520.1  | 521.6  | 524.8  |
| 62.5°  | 455.8  | 452.7  | 449.6  | 451.1  | 449.6  | 452.7  | 455.8  | 462.1  | 463.7  | 468.4  | 473.1  |
| 65°    | 401.0  | 401.0  | 397.9  | 407.3  | 401.0  | 401.0  | 408.8  | 408.8  | 412.0  | 416.7  | 422.9  |
| 67.5°  | 347.7  | 349.3  | 346.2  | 346.2  | 349.3  | 350.9  | 352.4  | 358.7  | 360.3  | 366.5  | 374.4  |
| 70°    | 292.9  | 296.1  | 297.6  | 294.5  | 297.6  | 300.8  | 303.9  | 305.5  | 311.7  | 314.9  | 319.6  |
| 72.5°  | 244.4  | 247.5  | 242.8  | 244.4  | 245.9  | 249.1  | 250.6  | 253.8  | 256.9  | 266.3  | 269.4  |
| 75°    | 195.8  | 194.2  | 192.7  | 198.9  | 195.8  | 202.1  | 203.6  | 203.6  | 206.8  | 214.6  | 217.7  |
| 77.5°  | 150.4  | 150.4  | 151.9  | 148.8  | 153.5  | 151.9  | 153.5  | 158.2  | 162.9  | 162.9  | 175.4  |
| 80°    | 105.0  | 108.1  | 108.1  | 108.1  | 109.6  | 111.2  | 108.1  | 115.9  | 117.5  | 117.5  | 122.2  |
| 82.5°  | 67.4   | 68.9   | 67.4   | 70.5   | 70.5   | 73.6   | 72.1   | 73.6   | 76.8   | 79.9   | 81.5   |
| 85°    | 36.0   | 36.0   | 39.2   | 39.2   | 37.6   | 39.2   | 37.6   | 39.2   | 42.3   | 42.3   | 43.9   |
| 87.5°  | 12.5   | 12.5   | 12.5   | 12.5   | 14.1   | 12.5   | 14.1   | 14.1   | 12.5   | 12.5   | 17.2   |
| 90°    | 12.8   | 14.2   | 16.1   | 19.8   | 23.5   | 27.3   | 31.0   | 32.1   | 33.3   | 34.4   | 35.5   |
| 92.5°  | 45.5   | 46.4   | 47.3   | 49.0   | 50.7   | 52.5   | 54.2   | 55.1   | 55.9   | 56.8   | 57.7   |
| 95°    | 84.1   | 85.1   | 86.3   | 88.6   | 90.9   | 93.2   | 95.5   | 96.6   | 97.8   | 98.9   | 100.0  |
| 97.5°  | 130.9  | 131.6  | 132.5  | 134.2  | 135.9  | 137.6  | 139.3  | 140.7  | 142.2  | 143.6  | 145.1  |
| 100°   | 182.3  | 183.2  | 183.9  | 185.3  | 186.8  | 188.2  | 189.6  | 190.5  | 191.3  | 192.2  | 193.1  |
| 102.5° | 237.0  | 237.4  | 238.4  | 240.4  | 242.4  | 244.4  | 246.4  | 247.3  | 248.1  | 249.0  | 249.9  |
| 105°   | 292.6  | 292.9  | 294.2  | 296.8  | 299.3  | 301.9  | 304.5  | 304.5  | 304.5  | 304.5  | 304.5  |
| 107.5° | 358.5  | 358.6  | 359.2  | 360.3  | 361.5  | 362.6  | 363.8  | 364.7  | 365.5  | 366.4  | 367.3  |
| 110°   | 421.6  | 421.9  | 422.2  | 422.7  | 423.3  | 423.8  | 424.4  | 425.6  | 426.7  | 427.9  | 429.0  |

TEST NUMBER: P1031454

CATALOG NUMBER: S123DIW-B1165D1320UB40-4F0-XX-W2A-A1

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 485.0  | 485.1  | 485.1  | 485.1  | 485.1  | 485.1  | 485.1  | 486.5  | 487.9  | 489.4  | 490.8  |
| 115°   | 551.8  | 552.2  | 551.9  | 551.3  | 550.8  | 550.2  | 549.6  | 549.9  | 550.2  | 550.5  | 550.8  |
| 117.5° | 615.3  | 615.4  | 615.1  | 614.5  | 614.0  | 613.4  | 612.8  | 612.8  | 612.8  | 612.8  | 612.8  |
| 120°   | 681.6  | 682.5  | 681.8  | 680.3  | 678.9  | 677.4  | 676.0  | 675.7  | 675.4  | 675.1  | 674.8  |
| 122.5° | 742.5  | 743.1  | 742.8  | 742.2  | 741.7  | 741.1  | 740.5  | 739.7  | 738.8  | 738.0  | 737.1  |
| 125°   | 805.9  | 806.3  | 806.0  | 805.4  | 804.9  | 804.3  | 803.7  | 802.6  | 801.4  | 800.3  | 799.2  |
| 127.5° | 868.6  | 869.5  | 869.2  | 868.7  | 868.1  | 867.6  | 867.0  | 865.3  | 863.5  | 861.8  | 860.1  |
| 130°   | 930.3  | 931.5  | 931.1  | 930.2  | 929.3  | 928.5  | 927.6  | 926.4  | 925.3  | 924.1  | 923.0  |
| 132.5° | 989.7  | 990.8  | 990.5  | 989.9  | 989.4  | 988.8  | 988.2  | 986.8  | 985.4  | 983.9  | 982.5  |
| 135°   | 1048.0 | 1048.9 | 1048.8 | 1048.5 | 1048.2 | 1047.9 | 1047.6 | 1046.4 | 1045.3 | 1044.1 | 1043.0 |
| 137.5° | 1102.3 | 1103.0 | 1103.4 | 1104.3 | 1105.2 | 1106.0 | 1106.9 | 1105.5 | 1104.1 | 1102.6 | 1101.2 |
| 140°   | 1160.4 | 1161.1 | 1161.2 | 1161.5 | 1161.8 | 1162.1 | 1162.4 | 1162.1 | 1161.8 | 1161.5 | 1161.2 |
| 142.5° | 1213.3 | 1214.0 | 1214.3 | 1214.9 | 1215.4 | 1216.0 | 1216.6 | 1216.3 | 1216.0 | 1215.7 | 1215.4 |
| 145°   | 1265.3 | 1265.6 | 1266.0 | 1266.9 | 1267.8 | 1268.6 | 1269.5 | 1269.2 | 1268.9 | 1268.6 | 1268.3 |
| 147.5° | 1315.3 | 1315.9 | 1316.3 | 1317.2 | 1318.1 | 1318.9 | 1319.8 | 1319.8 | 1319.8 | 1319.8 | 1319.8 |
| 150°   | 1363.3 | 1363.6 | 1363.9 | 1364.5 | 1365.0 | 1365.6 | 1366.2 | 1366.2 | 1366.2 | 1366.2 | 1366.2 |
| 152.5° | 1405.8 | 1406.2 | 1406.3 | 1406.6 | 1406.9 | 1407.2 | 1407.5 | 1408.1 | 1408.7 | 1409.2 | 1409.8 |
| 155°   | 1446.2 | 1446.2 | 1446.3 | 1446.6 | 1446.9 | 1447.2 | 1447.5 | 1448.7 | 1449.8 | 1451.0 | 1452.1 |
| 157.5° | 1482.4 | 1482.3 | 1482.4 | 1482.7 | 1483.0 | 1483.3 | 1483.6 | 1484.8 | 1485.9 | 1487.1 | 1488.2 |
| 160°   | 1516.2 | 1515.9 | 1515.9 | 1515.9 | 1515.9 | 1515.9 | 1515.9 | 1517.3 | 1518.7 | 1520.2 | 1521.6 |
| 162.5° | 1545.9 | 1545.5 | 1545.6 | 1545.9 | 1546.2 | 1546.5 | 1546.8 | 1548.2 | 1549.7 | 1551.1 | 1552.6 |
| 165°   | 1571.7 | 1571.3 | 1571.3 | 1571.3 | 1571.3 | 1571.3 | 1571.3 | 1573.0 | 1574.8 | 1576.5 | 1578.2 |
| 167.5° | 1592.6 | 1592.0 | 1592.1 | 1592.4 | 1592.7 | 1593.0 | 1593.3 | 1595.0 | 1596.7 | 1598.4 | 1600.1 |
| 170°   | 1610.7 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1612.1 | 1614.1 | 1616.1 | 1618.1 |
| 172.5° | 1624.8 | 1624.2 | 1624.2 | 1624.2 | 1624.2 | 1624.2 | 1624.2 | 1625.9 | 1627.7 | 1629.4 | 1631.1 |
| 175°   | 1633.9 | 1633.3 | 1633.3 | 1633.3 | 1633.3 | 1633.3 | 1633.3 | 1635.0 | 1636.7 | 1638.4 | 1640.1 |
| 177.5° | 1639.0 | 1638.4 | 1638.4 | 1638.4 | 1638.4 | 1638.4 | 1638.4 | 1640.1 | 1641.9 | 1643.6 | 1645.3 |
| 180°   | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 |



TEST NUMBER: P1031454

CATALOG NUMBER: S123DIW-B1165D1320UB40-4F0-XX-W2A-A1

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 |
| 2.5°   | 1533.5 | 1535.1 | 1528.8 | 1524.1 | 1536.7 | 1528.8 | 1528.8 | 1530.4 | 1527.3 | 1532.0 | 1530.4 |
| 5°     | 1447.4 | 1448.9 | 1438.0 | 1441.1 | 1434.8 | 1433.3 | 1431.7 | 1441.1 | 1439.5 | 1438.0 | 1441.1 |
| 7.5°   | 1362.8 | 1362.8 | 1358.1 | 1355.0 | 1355.0 | 1350.3 | 1356.5 | 1355.0 | 1358.1 | 1358.1 | 1362.8 |
| 10°    | 1292.3 | 1295.4 | 1287.6 | 1279.8 | 1278.2 | 1279.8 | 1279.8 | 1281.3 | 1282.9 | 1293.9 | 1292.3 |
| 12.5°  | 1234.3 | 1229.6 | 1228.1 | 1223.4 | 1215.5 | 1212.4 | 1209.3 | 1226.5 | 1221.8 | 1221.8 | 1221.8 |
| 15°    | 1170.1 | 1181.1 | 1179.5 | 1165.4 | 1162.3 | 1168.6 | 1165.4 | 1165.4 | 1181.1 | 1179.5 | 1177.9 |
| 17.5°  | 1135.7 | 1132.5 | 1129.4 | 1121.6 | 1123.1 | 1121.6 | 1123.1 | 1123.1 | 1132.5 | 1132.5 | 1132.5 |
| 20°    | 1096.5 | 1090.2 | 1090.2 | 1087.1 | 1087.1 | 1082.4 | 1088.7 | 1090.2 | 1096.5 | 1096.5 | 1098.1 |
| 22.5°  | 1062.0 | 1057.3 | 1057.3 | 1055.8 | 1058.9 | 1052.6 | 1058.9 | 1060.5 | 1060.5 | 1065.2 | 1065.2 |
| 25°    | 1032.3 | 1029.1 | 1029.1 | 1032.3 | 1032.3 | 1032.3 | 1032.3 | 1038.5 | 1033.8 | 1035.4 | 1033.8 |
| 27.5°  | 1005.6 | 1007.2 | 1008.8 | 1010.3 | 1008.8 | 1010.3 | 1011.9 | 1015.0 | 1016.6 | 1015.0 | 1011.9 |
| 30°    | 980.6  | 985.3  | 986.8  | 986.8  | 990.0  | 991.5  | 993.1  | 993.1  | 994.7  | 990.0  | 993.1  |
| 32.5°  | 961.8  | 961.8  | 964.9  | 966.5  | 969.6  | 971.2  | 971.2  | 974.3  | 972.7  | 968.0  | 969.6  |
| 35°    | 935.2  | 935.2  | 941.4  | 944.6  | 949.3  | 947.7  | 949.3  | 949.3  | 950.8  | 947.7  | 943.0  |
| 37.5°  | 908.5  | 911.7  | 911.7  | 917.9  | 919.5  | 921.1  | 919.5  | 922.6  | 921.1  | 917.9  | 916.4  |
| 40°    | 877.2  | 875.6  | 877.2  | 881.9  | 883.5  | 883.5  | 883.5  | 886.6  | 886.6  | 886.6  | 885.0  |
| 42.5°  | 838.0  | 842.7  | 841.2  | 845.9  | 844.3  | 844.3  | 847.4  | 850.6  | 852.1  | 847.4  | 849.0  |
| 45°    | 800.4  | 800.4  | 803.6  | 803.6  | 805.1  | 805.1  | 811.4  | 808.3  | 811.4  | 808.3  | 809.8  |
| 47.5°  | 759.7  | 761.3  | 761.3  | 762.8  | 766.0  | 769.1  | 766.0  | 767.5  | 767.5  | 769.1  | 766.0  |
| 50°    | 714.3  | 714.3  | 717.4  | 722.1  | 728.4  | 725.3  | 723.7  | 730.0  | 725.3  | 725.3  | 722.1  |
| 52.5°  | 667.3  | 672.0  | 673.6  | 678.3  | 683.0  | 684.5  | 686.1  | 683.0  | 684.5  | 679.8  | 681.4  |
| 55°    | 621.9  | 623.4  | 629.7  | 634.4  | 639.1  | 639.1  | 637.5  | 639.1  | 640.7  | 634.4  | 634.4  |
| 57.5°  | 576.4  | 581.1  | 587.4  | 587.4  | 593.7  | 593.7  | 592.1  | 592.1  | 593.7  | 589.0  | 587.4  |
| 60°    | 527.9  | 532.6  | 540.4  | 540.4  | 549.8  | 551.4  | 548.2  | 545.1  | 545.1  | 540.4  | 542.0  |
| 62.5°  | 476.2  | 480.9  | 485.6  | 493.4  | 499.7  | 496.6  | 502.8  | 496.6  | 498.1  | 488.7  | 488.7  |
| 65°    | 430.8  | 432.3  | 440.2  | 448.0  | 448.0  | 451.1  | 448.0  | 449.6  | 444.9  | 444.9  | 438.6  |
| 67.5°  | 377.5  | 377.5  | 385.3  | 393.2  | 401.0  | 401.0  | 401.0  | 396.3  | 396.3  | 391.6  | 391.6  |
| 70°    | 330.5  | 328.9  | 336.8  | 341.5  | 346.2  | 347.7  | 344.6  | 343.0  | 339.9  | 335.2  | 333.6  |
| 72.5°  | 272.6  | 275.7  | 283.5  | 286.7  | 294.5  | 292.9  | 300.8  | 291.4  | 291.4  | 283.5  | 282.0  |
| 75°    | 220.9  | 224.0  | 231.8  | 236.5  | 241.2  | 241.2  | 245.9  | 241.2  | 235.0  | 231.8  | 230.3  |
| 77.5°  | 175.4  | 173.9  | 180.1  | 188.0  | 189.5  | 188.0  | 191.1  | 189.5  | 183.3  | 183.3  | 180.1  |
| 80°    | 125.3  | 130.0  | 136.3  | 134.7  | 141.0  | 139.4  | 139.4  | 136.3  | 136.3  | 131.6  | 134.7  |
| 82.5°  | 83.0   | 87.7   | 89.3   | 87.7   | 89.3   | 92.4   | 94.0   | 92.4   | 92.4   | 89.3   | 90.9   |
| 85°    | 43.9   | 43.9   | 47.0   | 48.6   | 47.0   | 47.0   | 48.6   | 53.3   | 50.1   | 47.0   | 50.1   |
| 87.5°  | 14.1   | 12.5   | 12.5   | 14.1   | 12.5   | 12.5   | 14.1   | 14.1   | 15.7   | 15.7   | 15.7   |
| 90°    | 36.1   | 36.4   | 37.0   | 37.5   | 38.1   | 38.7   | 38.1   | 37.5   | 37.0   | 36.4   | 36.1   |
| 92.5°  | 58.1   | 57.8   | 57.2   | 56.7   | 56.1   | 55.5   | 56.1   | 56.7   | 57.2   | 57.8   | 58.1   |
| 95°    | 100.6  | 100.6  | 100.6  | 100.6  | 100.6  | 100.6  | 100.6  | 100.6  | 100.6  | 100.6  | 100.6  |
| 97.5°  | 145.8  | 145.7  | 145.4  | 145.1  | 144.8  | 144.5  | 144.8  | 145.1  | 145.4  | 145.7  | 145.8  |
| 100°   | 193.5  | 193.8  | 194.4  | 194.9  | 195.5  | 196.1  | 195.5  | 194.9  | 194.4  | 193.8  | 193.5  |
| 102.5° | 250.3  | 250.2  | 249.9  | 249.6  | 249.3  | 249.0  | 249.3  | 249.6  | 249.9  | 250.2  | 250.3  |
| 105°   | 304.5  | 304.8  | 305.3  | 305.9  | 306.4  | 307.0  | 306.4  | 305.9  | 305.3  | 304.8  | 304.5  |
| 107.5° | 367.7  | 367.6  | 367.3  | 367.0  | 366.7  | 366.4  | 366.7  | 367.0  | 367.3  | 367.6  | 367.7  |
| 110°   | 429.6  | 429.3  | 428.7  | 428.2  | 427.6  | 427.0  | 427.6  | 428.2  | 428.7  | 429.3  | 429.6  |



TEST NUMBER: P1031454

CATALOG NUMBER: S123DIW-B1165D1320UB40-4F0-XX-W2A-A1

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 491.5  | 491.5  | 491.5  | 491.5  | 491.5  | 491.5  | 491.5  | 491.5  | 491.5  | 491.5  | 491.5  |
| 115°   | 550.9  | 550.8  | 550.5  | 550.2  | 549.9  | 549.6  | 549.9  | 550.2  | 550.5  | 550.8  | 550.9  |
| 117.5° | 612.8  | 612.4  | 611.5  | 610.6  | 609.8  | 608.9  | 609.8  | 610.6  | 611.5  | 612.4  | 612.8  |
| 120°   | 674.7  | 674.4  | 673.8  | 673.3  | 672.7  | 672.1  | 672.7  | 673.3  | 673.8  | 674.4  | 674.7  |
| 122.5° | 736.7  | 736.3  | 735.4  | 734.5  | 733.7  | 732.8  | 733.7  | 734.5  | 735.4  | 736.3  | 736.7  |
| 125°   | 798.6  | 798.0  | 796.9  | 795.7  | 794.6  | 793.4  | 794.6  | 795.7  | 796.9  | 798.0  | 798.6  |
| 127.5° | 859.2  | 858.6  | 857.5  | 856.4  | 855.2  | 854.1  | 855.2  | 856.4  | 857.5  | 858.6  | 859.2  |
| 130°   | 922.4  | 921.4  | 919.4  | 917.4  | 915.4  | 913.4  | 915.4  | 917.4  | 919.4  | 921.4  | 922.4  |
| 132.5° | 981.8  | 981.1  | 979.6  | 978.2  | 976.7  | 975.3  | 976.7  | 978.2  | 979.6  | 981.1  | 981.8  |
| 135°   | 1042.4 | 1042.1 | 1041.5 | 1041.0 | 1040.4 | 1039.8 | 1040.4 | 1041.0 | 1041.5 | 1042.1 | 1042.4 |
| 137.5° | 1100.5 | 1100.1 | 1099.2 | 1098.3 | 1097.5 | 1096.6 | 1097.5 | 1098.3 | 1099.2 | 1100.1 | 1100.5 |
| 140°   | 1161.1 | 1160.1 | 1158.1 | 1156.1 | 1154.1 | 1152.1 | 1154.1 | 1156.1 | 1158.1 | 1160.1 | 1161.1 |
| 142.5° | 1215.3 | 1214.6 | 1213.1 | 1211.7 | 1210.2 | 1208.8 | 1210.2 | 1211.7 | 1213.1 | 1214.6 | 1215.3 |
| 145°   | 1268.2 | 1267.6 | 1266.5 | 1265.3 | 1264.2 | 1263.0 | 1264.2 | 1265.3 | 1266.5 | 1267.6 | 1268.2 |
| 147.5° | 1319.8 | 1318.9 | 1317.2 | 1315.5 | 1313.7 | 1312.0 | 1313.7 | 1315.5 | 1317.2 | 1318.9 | 1319.8 |
| 150°   | 1366.2 | 1365.3 | 1363.6 | 1361.9 | 1360.2 | 1358.5 | 1360.2 | 1361.9 | 1363.6 | 1365.3 | 1366.2 |
| 152.5° | 1410.1 | 1409.4 | 1407.9 | 1406.5 | 1405.0 | 1403.6 | 1405.0 | 1406.5 | 1407.9 | 1409.4 | 1410.1 |
| 155°   | 1452.7 | 1451.7 | 1449.7 | 1447.6 | 1445.6 | 1443.6 | 1445.6 | 1447.6 | 1449.7 | 1451.7 | 1452.7 |
| 157.5° | 1488.8 | 1487.9 | 1486.2 | 1484.5 | 1482.7 | 1481.0 | 1482.7 | 1484.5 | 1486.2 | 1487.9 | 1488.8 |
| 160°   | 1522.3 | 1521.7 | 1520.6 | 1519.5 | 1518.3 | 1517.2 | 1518.3 | 1519.5 | 1520.6 | 1521.7 | 1522.3 |
| 162.5° | 1553.3 | 1552.3 | 1550.3 | 1548.3 | 1546.3 | 1544.3 | 1546.3 | 1548.3 | 1550.3 | 1552.3 | 1553.3 |
| 165°   | 1579.1 | 1578.1 | 1576.1 | 1574.1 | 1572.1 | 1570.1 | 1572.1 | 1574.1 | 1576.1 | 1578.1 | 1579.1 |
| 167.5° | 1601.0 | 1600.1 | 1598.4 | 1596.7 | 1595.0 | 1593.3 | 1595.0 | 1596.7 | 1598.4 | 1600.1 | 1601.0 |
| 170°   | 1619.1 | 1618.1 | 1616.1 | 1614.1 | 1612.1 | 1610.1 | 1612.1 | 1614.1 | 1616.1 | 1618.1 | 1619.1 |
| 172.5° | 1632.0 | 1631.0 | 1629.0 | 1627.0 | 1625.0 | 1623.0 | 1625.0 | 1627.0 | 1629.0 | 1631.0 | 1632.0 |
| 175°   | 1641.0 | 1640.0 | 1638.0 | 1636.0 | 1634.0 | 1632.0 | 1634.0 | 1636.0 | 1638.0 | 1640.0 | 1641.0 |
| 177.5° | 1646.2 | 1645.2 | 1643.2 | 1641.1 | 1639.1 | 1637.1 | 1639.1 | 1641.1 | 1643.2 | 1645.2 | 1646.2 |
| 180°   | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 |

TEST NUMBER: P1031454

CATALOG NUMBER: S123DIW-B1165D1320UB40-4F0-XX-W2A-A1

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 | 1616.5 |
| 2.5°   | 1535.1 | 1538.2 | 1539.8 | 1533.5 | 1528.8 | 1536.7 | 1547.6 | 1555.5 | 1561.7 | 1569.6 | 1574.3 |
| 5°     | 1444.2 | 1455.2 | 1455.2 | 1458.3 | 1463.0 | 1470.9 | 1491.2 | 1505.3 | 1517.9 | 1527.3 | 1535.1 |
| 7.5°   | 1367.5 | 1375.3 | 1380.0 | 1387.8 | 1395.7 | 1406.6 | 1430.1 | 1450.5 | 1469.3 | 1480.3 | 1492.8 |
| 10°    | 1298.6 | 1304.8 | 1312.7 | 1317.4 | 1331.5 | 1347.1 | 1376.9 | 1394.1 | 1416.0 | 1433.3 | 1448.9 |
| 12.5°  | 1232.8 | 1254.7 | 1259.4 | 1257.8 | 1270.4 | 1287.6 | 1317.4 | 1344.0 | 1367.5 | 1384.7 | 1401.9 |
| 15°    | 1185.8 | 1193.6 | 1203.0 | 1201.4 | 1228.1 | 1232.8 | 1257.8 | 1289.2 | 1320.5 | 1331.5 | 1347.1 |
| 17.5°  | 1134.1 | 1146.6 | 1156.0 | 1160.7 | 1168.6 | 1185.8 | 1209.3 | 1232.8 | 1273.5 | 1275.1 | 1315.8 |
| 20°    | 1093.4 | 1105.9 | 1112.2 | 1118.4 | 1123.1 | 1143.5 | 1163.9 | 1190.5 | 1223.4 | 1240.6 | 1262.5 |
| 22.5°  | 1066.7 | 1073.0 | 1077.7 | 1082.4 | 1088.7 | 1099.6 | 1124.7 | 1154.5 | 1176.4 | 1195.2 | 1209.3 |
| 25°    | 1035.4 | 1041.7 | 1047.9 | 1051.1 | 1055.8 | 1062.0 | 1080.8 | 1104.3 | 1135.7 | 1148.2 | 1162.3 |
| 27.5°  | 1013.5 | 1013.5 | 1016.6 | 1016.6 | 1022.9 | 1029.1 | 1043.2 | 1065.2 | 1090.2 | 1105.9 | 1124.7 |
| 30°    | 990.0  | 988.4  | 990.0  | 988.4  | 986.8  | 996.2  | 1008.8 | 1027.6 | 1044.8 | 1063.6 | 1076.1 |
| 32.5°  | 966.5  | 964.9  | 964.9  | 966.5  | 960.2  | 964.9  | 971.2  | 988.4  | 1007.2 | 1016.6 | 1030.7 |
| 35°    | 941.4  | 938.3  | 938.3  | 938.3  | 935.2  | 932.0  | 938.3  | 954.0  | 966.5  | 979.0  | 990.0  |
| 37.5°  | 916.4  | 911.7  | 911.7  | 908.5  | 905.4  | 900.7  | 900.7  | 913.2  | 930.5  | 935.2  | 949.3  |
| 40°    | 881.9  | 881.9  | 878.8  | 877.2  | 874.1  | 870.9  | 866.2  | 877.2  | 892.9  | 897.6  | 908.5  |
| 42.5°  | 847.4  | 842.7  | 841.2  | 841.2  | 841.2  | 836.5  | 833.3  | 841.2  | 850.6  | 858.4  | 864.7  |
| 45°    | 808.3  | 805.1  | 806.7  | 805.1  | 802.0  | 800.4  | 798.9  | 802.0  | 813.0  | 816.1  | 823.9  |
| 47.5°  | 766.0  | 764.4  | 764.4  | 762.8  | 761.3  | 762.8  | 756.6  | 764.4  | 767.5  | 770.7  | 776.9  |
| 50°    | 722.1  | 720.6  | 719.0  | 717.4  | 717.4  | 719.0  | 717.4  | 717.4  | 723.7  | 726.8  | 733.1  |
| 52.5°  | 678.3  | 673.6  | 673.6  | 672.0  | 672.0  | 668.9  | 672.0  | 673.6  | 676.7  | 679.8  | 683.0  |
| 55°    | 631.3  | 631.3  | 626.6  | 626.6  | 623.4  | 623.4  | 625.0  | 623.4  | 629.7  | 632.8  | 632.8  |
| 57.5°  | 585.8  | 579.6  | 581.1  | 578.0  | 574.9  | 573.3  | 573.3  | 576.4  | 579.6  | 579.6  | 582.7  |
| 60°    | 537.3  | 531.0  | 529.5  | 523.2  | 526.3  | 521.6  | 523.2  | 523.2  | 529.5  | 526.3  | 529.5  |
| 62.5°  | 488.7  | 480.9  | 476.2  | 473.1  | 473.1  | 474.6  | 471.5  | 469.9  | 473.1  | 476.2  | 482.5  |
| 65°    | 437.0  | 432.3  | 427.6  | 422.9  | 422.9  | 421.4  | 424.5  | 419.8  | 418.2  | 419.8  | 422.9  |
| 67.5°  | 383.8  | 379.1  | 374.4  | 369.7  | 371.2  | 366.5  | 363.4  | 368.1  | 365.0  | 366.5  | 369.7  |
| 70°    | 332.1  | 328.9  | 319.6  | 316.4  | 314.9  | 316.4  | 314.9  | 311.7  | 316.4  | 314.9  | 316.4  |
| 72.5°  | 280.4  | 277.3  | 272.6  | 264.7  | 264.7  | 263.2  | 261.6  | 261.6  | 260.0  | 260.0  | 260.0  |
| 75°    | 230.3  | 224.0  | 219.3  | 217.7  | 214.6  | 213.0  | 211.5  | 208.3  | 209.9  | 211.5  | 208.3  |
| 77.5°  | 178.6  | 170.7  | 169.2  | 169.2  | 164.5  | 164.5  | 166.0  | 164.5  | 162.9  | 162.9  | 162.9  |
| 80°    | 131.6  | 125.3  | 125.3  | 122.2  | 119.0  | 119.0  | 119.0  | 119.0  | 117.5  | 115.9  | 117.5  |
| 82.5°  | 84.6   | 83.0   | 81.5   | 81.5   | 84.6   | 78.3   | 81.5   | 79.9   | 78.3   | 78.3   | 76.8   |
| 85°    | 47.0   | 48.6   | 47.0   | 48.6   | 45.4   | 47.0   | 47.0   | 47.0   | 45.4   | 47.0   | 43.9   |
| 87.5°  | 17.2   | 17.2   | 17.2   | 18.8   | 18.8   | 18.8   | 18.8   | 18.8   | 20.4   | 18.8   | 18.8   |
| 90°    | 35.5   | 34.4   | 33.3   | 32.1   | 31.0   | 27.3   | 23.5   | 19.8   | 16.1   | 14.2   | 12.8   |
| 92.5°  | 57.7   | 56.8   | 55.9   | 55.1   | 54.2   | 52.5   | 50.7   | 49.0   | 47.3   | 46.4   | 45.5   |
| 95°    | 100.0  | 98.9   | 97.8   | 96.6   | 95.5   | 93.2   | 90.9   | 88.6   | 86.3   | 85.1   | 84.1   |
| 97.5°  | 145.1  | 143.6  | 142.2  | 140.7  | 139.3  | 137.6  | 135.9  | 134.2  | 132.5  | 131.6  | 130.9  |
| 100°   | 193.1  | 192.2  | 191.3  | 190.5  | 189.6  | 188.2  | 186.8  | 185.3  | 183.9  | 183.2  | 182.3  |
| 102.5° | 249.9  | 249.0  | 248.1  | 247.3  | 246.4  | 244.4  | 242.4  | 240.4  | 238.4  | 237.4  | 237.0  |
| 105°   | 304.5  | 304.5  | 304.5  | 304.5  | 304.5  | 301.9  | 299.3  | 296.8  | 294.2  | 292.9  | 292.6  |
| 107.5° | 367.3  | 366.4  | 365.5  | 364.7  | 363.8  | 362.6  | 361.5  | 360.3  | 359.2  | 358.6  | 358.5  |
| 110°   | 429.0  | 427.9  | 426.7  | 425.6  | 424.4  | 423.8  | 423.3  | 422.7  | 422.2  | 421.9  | 421.6  |

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**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 490.8  | 489.4  | 487.9  | 486.5  | 485.1  | 485.1  | 485.1  | 485.1  | 485.1  | 485.1  | 485.0  |
| 115°   | 550.8  | 550.5  | 550.2  | 549.9  | 549.6  | 550.2  | 550.8  | 551.3  | 551.9  | 552.2  | 551.8  |
| 117.5° | 612.8  | 612.8  | 612.8  | 612.8  | 612.8  | 613.4  | 614.0  | 614.5  | 615.1  | 615.4  | 615.3  |
| 120°   | 674.8  | 675.1  | 675.4  | 675.7  | 676.0  | 677.4  | 678.9  | 680.3  | 681.8  | 682.5  | 681.6  |
| 122.5° | 737.1  | 738.0  | 738.8  | 739.7  | 740.5  | 741.1  | 741.7  | 742.2  | 742.8  | 743.1  | 742.5  |
| 125°   | 799.2  | 800.3  | 801.4  | 802.6  | 803.7  | 804.3  | 804.9  | 805.4  | 806.0  | 806.3  | 805.9  |
| 127.5° | 860.1  | 861.8  | 863.5  | 865.3  | 867.0  | 867.6  | 868.1  | 868.7  | 869.2  | 869.5  | 868.6  |
| 130°   | 923.0  | 924.1  | 925.3  | 926.4  | 927.6  | 928.5  | 929.3  | 930.2  | 931.1  | 931.5  | 930.3  |
| 132.5° | 982.5  | 983.9  | 985.4  | 986.8  | 988.2  | 988.8  | 989.4  | 989.9  | 990.5  | 990.8  | 989.7  |
| 135°   | 1043.0 | 1044.1 | 1045.3 | 1046.4 | 1047.6 | 1047.9 | 1048.2 | 1048.5 | 1048.8 | 1048.9 | 1048.0 |
| 137.5° | 1101.2 | 1102.6 | 1104.1 | 1105.5 | 1106.9 | 1106.0 | 1105.2 | 1104.3 | 1103.4 | 1103.0 | 1102.3 |
| 140°   | 1161.2 | 1161.5 | 1161.8 | 1162.1 | 1162.4 | 1162.1 | 1161.8 | 1161.5 | 1161.2 | 1161.1 | 1160.4 |
| 142.5° | 1215.4 | 1215.7 | 1216.0 | 1216.3 | 1216.6 | 1216.0 | 1215.4 | 1214.9 | 1214.3 | 1214.0 | 1213.3 |
| 145°   | 1268.3 | 1268.6 | 1268.9 | 1269.2 | 1269.5 | 1268.6 | 1267.8 | 1266.9 | 1266.0 | 1265.6 | 1265.3 |
| 147.5° | 1319.8 | 1319.8 | 1319.8 | 1319.8 | 1319.8 | 1318.9 | 1318.1 | 1317.2 | 1316.3 | 1315.9 | 1315.3 |
| 150°   | 1366.2 | 1366.2 | 1366.2 | 1366.2 | 1366.2 | 1365.6 | 1365.0 | 1364.5 | 1363.9 | 1363.6 | 1363.3 |
| 152.5° | 1409.8 | 1409.2 | 1408.7 | 1408.1 | 1407.5 | 1407.2 | 1406.9 | 1406.6 | 1406.3 | 1406.2 | 1405.8 |
| 155°   | 1452.1 | 1451.0 | 1449.8 | 1448.7 | 1447.5 | 1447.2 | 1446.9 | 1446.6 | 1446.3 | 1446.2 | 1446.2 |
| 157.5° | 1488.2 | 1487.1 | 1485.9 | 1484.8 | 1483.6 | 1483.3 | 1483.0 | 1482.7 | 1482.4 | 1482.3 | 1482.4 |
| 160°   | 1521.6 | 1520.2 | 1518.7 | 1517.3 | 1515.9 | 1515.9 | 1515.9 | 1515.9 | 1515.9 | 1515.9 | 1516.2 |
| 162.5° | 1552.6 | 1551.1 | 1549.7 | 1548.2 | 1546.8 | 1546.5 | 1546.2 | 1545.9 | 1545.6 | 1545.5 | 1545.9 |
| 165°   | 1578.2 | 1576.5 | 1574.8 | 1573.0 | 1571.3 | 1571.3 | 1571.3 | 1571.3 | 1571.3 | 1571.3 | 1571.7 |
| 167.5° | 1600.1 | 1598.4 | 1596.7 | 1595.0 | 1593.3 | 1593.0 | 1592.7 | 1592.4 | 1592.1 | 1592.0 | 1592.6 |
| 170°   | 1618.1 | 1616.1 | 1614.1 | 1612.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.1 | 1610.7 |
| 172.5° | 1631.1 | 1629.4 | 1627.7 | 1625.9 | 1624.2 | 1624.2 | 1624.2 | 1624.2 | 1624.2 | 1624.2 | 1624.8 |
| 175°   | 1640.1 | 1638.4 | 1636.7 | 1635.0 | 1633.3 | 1633.3 | 1633.3 | 1633.3 | 1633.3 | 1633.3 | 1633.9 |
| 177.5° | 1645.3 | 1643.6 | 1641.9 | 1640.1 | 1638.4 | 1638.4 | 1638.4 | 1638.4 | 1638.4 | 1638.4 | 1639.0 |
| 180°   | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 | 1642.3 |

TEST NUMBER: P1031454

CATALOG NUMBER: S123DIW-B1165D1320UB40-4F0-XX-W2A-A1

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1616.5 | 1616.5 | 1616.5 | 1616.5 |
| 2.5°   | 1582.1 | 1586.8 | 1602.4 | 1621.2 |
| 5°     | 1550.8 | 1563.3 | 1585.2 | 1615.0 |
| 7.5°   | 1516.3 | 1535.1 | 1566.4 | 1604.0 |
| 10°    | 1477.1 | 1503.8 | 1542.9 | 1589.9 |
| 12.5°  | 1434.8 | 1469.3 | 1519.4 | 1568.0 |
| 15°    | 1408.2 | 1442.7 | 1488.1 | 1541.4 |
| 17.5°  | 1356.5 | 1397.2 | 1444.2 | 1519.4 |
| 20°    | 1303.3 | 1348.7 | 1409.8 | 1485.0 |
| 22.5°  | 1262.5 | 1311.1 | 1369.1 | 1448.9 |
| 25°    | 1214.0 | 1264.1 | 1326.8 | 1409.8 |
| 27.5°  | 1162.3 | 1212.4 | 1282.9 | 1370.6 |
| 30°    | 1123.1 | 1171.7 | 1239.0 | 1333.0 |
| 32.5°  | 1076.1 | 1123.1 | 1193.6 | 1292.3 |
| 35°    | 1022.9 | 1076.1 | 1143.5 | 1243.7 |
| 37.5°  | 982.1  | 1030.7 | 1101.2 | 1196.7 |
| 40°    | 938.3  | 980.6  | 1049.5 | 1143.5 |
| 42.5°  | 891.3  | 938.3  | 997.8  | 1091.8 |
| 45°    | 847.4  | 881.9  | 943.0  | 1032.3 |
| 47.5°  | 800.4  | 839.6  | 886.6  | 955.5  |
| 50°    | 750.3  | 783.2  | 834.9  | 881.9  |
| 52.5°  | 701.8  | 728.4  | 772.2  | 808.3  |
| 55°    | 650.1  | 676.7  | 709.6  | 731.5  |
| 57.5°  | 601.5  | 620.3  | 642.2  | 656.3  |
| 60°    | 542.0  | 560.8  | 574.9  | 589.0  |
| 62.5°  | 488.7  | 502.8  | 510.7  | 518.5  |
| 65°    | 433.9  | 441.7  | 446.4  | 452.7  |
| 67.5°  | 374.4  | 382.2  | 383.8  | 393.2  |
| 70°    | 319.6  | 321.1  | 324.2  | 328.9  |
| 72.5°  | 267.9  | 271.0  | 269.4  | 272.6  |
| 75°    | 214.6  | 217.7  | 214.6  | 217.7  |
| 77.5°  | 162.9  | 166.0  | 166.0  | 170.7  |
| 80°    | 117.5  | 119.0  | 120.6  | 120.6  |
| 82.5°  | 76.8   | 81.5   | 78.3   | 79.9   |
| 85°    | 43.9   | 45.4   | 45.4   | 47.0   |
| 87.5°  | 20.4   | 21.9   | 20.4   | 23.5   |
| 90°    | 9.9    | 7.0    | 4.2    | 1.3    |
| 92.5°  | 43.8   | 42.1   | 40.4   | 38.7   |
| 95°    | 82.1   | 80.1   | 78.1   | 76.1   |
| 97.5°  | 129.4  | 128.0  | 126.5  | 125.1  |
| 100°   | 180.6  | 178.9  | 177.2  | 175.5  |
| 102.5° | 236.1  | 235.2  | 234.4  | 233.5  |
| 105°   | 292.0  | 291.5  | 290.9  | 290.3  |
| 107.5° | 358.2  | 357.9  | 357.7  | 357.4  |
| 110°   | 421.0  | 420.5  | 419.9  | 419.3  |



TEST NUMBER: P1031454

CATALOG NUMBER: S123DIW-B1165D1320UB40-4F0-XX-W2A-A1

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 112.5° | 484.7  | 484.4  | 484.1  | 483.8  |
| 115°   | 550.9  | 550.0  | 549.2  | 548.3  |
| 117.5° | 615.0  | 614.7  | 614.4  | 614.1  |
| 120°   | 679.9  | 678.2  | 676.4  | 674.7  |
| 122.5° | 741.4  | 740.2  | 739.1  | 737.9  |
| 125°   | 805.0  | 804.1  | 803.3  | 802.4  |
| 127.5° | 866.9  | 865.2  | 863.5  | 861.8  |
| 130°   | 928.0  | 925.7  | 923.4  | 921.1  |
| 132.5° | 987.4  | 985.1  | 982.8  | 980.5  |
| 135°   | 1046.3 | 1044.6 | 1042.8 | 1041.1 |
| 137.5° | 1100.9 | 1099.4 | 1098.0 | 1096.6 |
| 140°   | 1158.9 | 1157.5 | 1156.0 | 1154.6 |
| 142.5° | 1211.8 | 1210.4 | 1208.9 | 1207.5 |
| 145°   | 1264.7 | 1264.2 | 1263.6 | 1263.0 |
| 147.5° | 1314.2 | 1313.0 | 1311.9 | 1310.7 |
| 150°   | 1362.8 | 1362.2 | 1361.7 | 1361.1 |
| 152.5° | 1404.9 | 1404.0 | 1403.2 | 1402.3 |
| 155°   | 1446.2 | 1446.2 | 1446.2 | 1446.2 |
| 157.5° | 1482.7 | 1483.0 | 1483.3 | 1483.6 |
| 160°   | 1516.8 | 1517.3 | 1517.9 | 1518.5 |
| 162.5° | 1546.8 | 1547.7 | 1548.5 | 1549.4 |
| 165°   | 1572.6 | 1573.5 | 1574.3 | 1575.2 |
| 167.5° | 1593.7 | 1594.9 | 1596.0 | 1597.2 |
| 170°   | 1611.8 | 1612.9 | 1614.1 | 1615.2 |
| 172.5° | 1625.9 | 1627.1 | 1628.2 | 1629.4 |
| 175°   | 1635.0 | 1636.1 | 1637.3 | 1638.4 |
| 177.5° | 1640.1 | 1641.3 | 1642.4 | 1643.6 |
| 180°   | 1642.3 | 1642.3 | 1642.3 | 1642.3 |

(END OF REPORT)