

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: P1029279

Luminaire Tested: S122DIW-B1005D970UB2750-4F0-XX-W2A-A\_2700K

Issue Date: 5/6/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1029279  
REPORT IS A COMBINATION OF REPORTS P985397 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S122DIW-B1005D970UB2750-4F0-XX-W2A-A\_2700K  
Description: Define 2 Direct/Indirect Wall Mount with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}  
Light Source: -  
Ballast/Driver: -

**Summary**

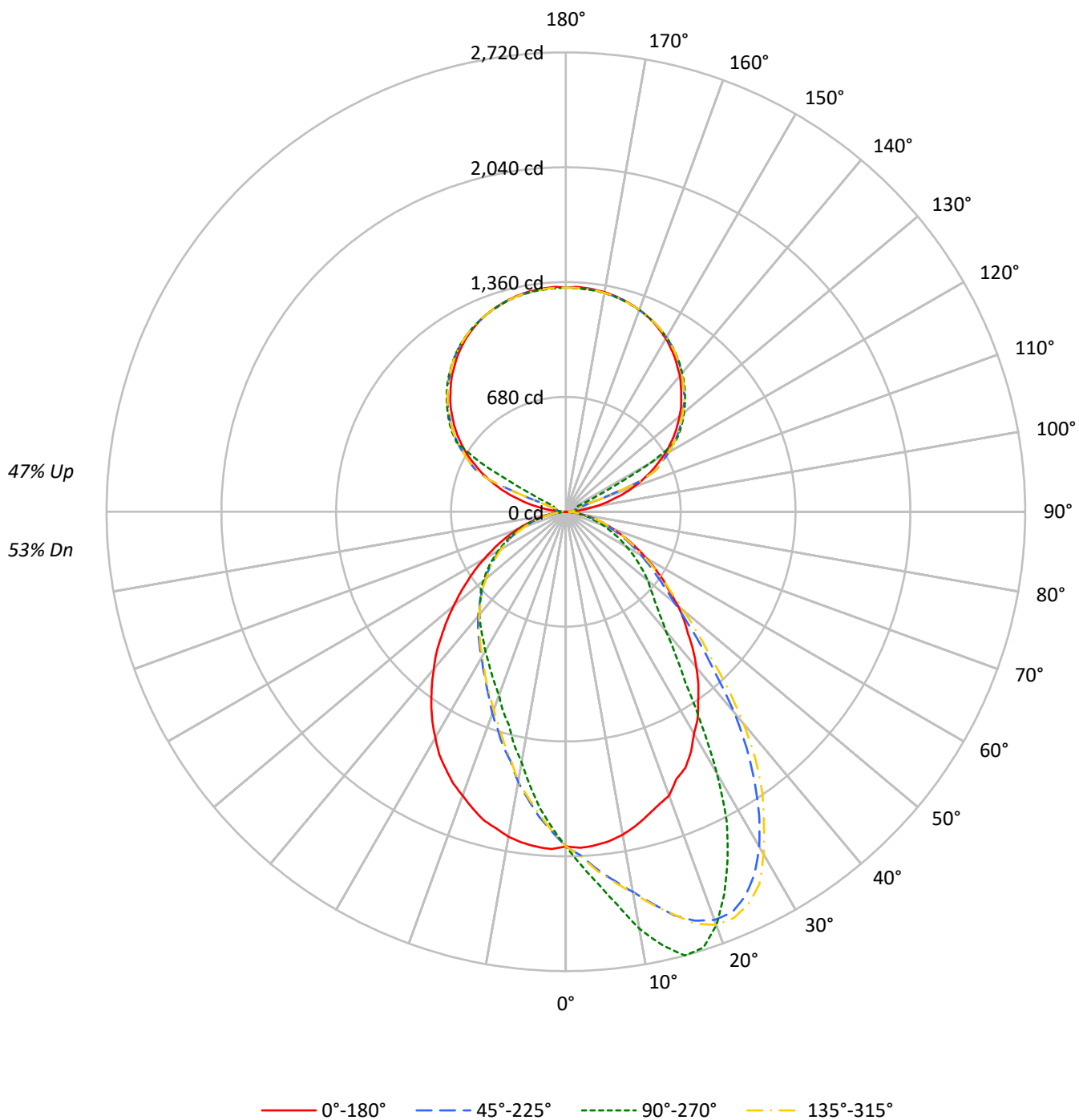
Lumens per Lamp: N/A  
Luminaire Lumens: 8266.0 lumens  
Efficiency: N/A  
Efficacy: 89.1 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 92.8  
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: P1029279

CATALOG NUMBER: S122DIW-B1005D970UB2750-4F0-XX-W2A-A\_2700K

### Luminous Intensity Polar Plot



TEST NUMBER: P1029279

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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 | 50 | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 85 | 85 | 85 | 71 | 71 | 71 | 59 | 59 | 59 | 59 | 59 | 59 |
| 1   | 99  | 95  | 91  | 88  | 92  | 88  | 85  | 82  | 75 | 73 | 71 | 64 | 62 | 60 | 53 | 52 | 51 | 51 | 51 | 51 |
| 2   | 91  | 83  | 77  | 73  | 84  | 78  | 72  | 68  | 67 | 63 | 59 | 56 | 54 | 51 | 47 | 45 | 43 | 43 | 43 | 43 |
| 3   | 83  | 74  | 67  | 61  | 77  | 69  | 62  | 57  | 59 | 54 | 51 | 50 | 47 | 44 | 42 | 40 | 38 | 38 | 38 | 38 |
| 4   | 76  | 66  | 58  | 52  | 70  | 61  | 54  | 49  | 53 | 48 | 44 | 45 | 41 | 38 | 38 | 35 | 33 | 33 | 33 | 33 |
| 5   | 70  | 59  | 51  | 45  | 65  | 55  | 48  | 43  | 48 | 42 | 38 | 41 | 37 | 33 | 35 | 31 | 29 | 29 | 29 | 29 |
| 6   | 65  | 53  | 45  | 39  | 60  | 50  | 42  | 37  | 43 | 38 | 33 | 37 | 33 | 30 | 32 | 28 | 26 | 26 | 26 | 26 |
| 7   | 60  | 48  | 40  | 35  | 56  | 45  | 38  | 33  | 39 | 34 | 30 | 34 | 30 | 26 | 29 | 26 | 23 | 23 | 23 | 23 |
| 8   | 56  | 44  | 36  | 31  | 52  | 41  | 34  | 29  | 36 | 30 | 27 | 31 | 27 | 24 | 27 | 23 | 21 | 21 | 21 | 21 |
| 9   | 52  | 40  | 33  | 28  | 48  | 38  | 31  | 26  | 33 | 28 | 24 | 29 | 24 | 21 | 25 | 21 | 19 | 19 | 19 | 19 |
| 10  | 49  | 37  | 30  | 25  | 45  | 35  | 28  | 24  | 31 | 25 | 22 | 27 | 22 | 19 | 23 | 20 | 17 | 17 | 17 | 17 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 31359 | 31359 | 31359 | 31359 |
| 5°  | 31436 | 33437 | 31556 | 26602 |
| 10° | 31070 | 36502 | 31265 | 21932 |
| 15° | 30317 | 38501 | 30739 | 18474 |
| 20° | 29843 | 36150 | 29843 | 16057 |
| 25° | 28892 | 31057 | 29025 | 14360 |
| 30° | 27328 | 24414 | 27849 | 13007 |
| 35° | 25941 | 16882 | 26375 | 11901 |
| 40° | 24348 | 12746 | 24625 | 11018 |
| 45° | 22382 | 10474 | 22749 | 10067 |
| 50° | 20683 | 9193  | 20721 | 9215  |
| 55° | 18746 | 7833  | 18868 | 8291  |
| 60° | 16680 | 6542  | 16911 | 7235  |
| 65° | 14831 | 5321  | 15105 | 6179  |
| 70° | 12992 | 4175  | 13321 | 4983  |
| 75° | 10903 | 3032  | 11328 | 3614  |
| 80° | 8511  | 1922  | 9117  | 2144  |
| 85° | 5594  | 966   | 6018  | 717   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 32417 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 188.7  | 2.3       |
| 10°-20°   | 549.2  | 6.6       |
| 20°-30°   | 797.1  | 9.6       |
| 30°-40°   | 840.3  | 10.2      |
| 40°-50°   | 743.6  | 9.0       |
| 50°-60°   | 593.7  | 7.2       |
| 60°-70°   | 403.3  | 4.9       |
| 70°-80°   | 206.3  | 2.5       |
| 80°-90°   | 51.1   | 0.6       |
| 90°-100°  | 43.8   | 0.5       |
| 100°-110° | 163.2  | 2.0       |
| 110°-120° | 432.9  | 5.2       |
| 120°-130° | 718.0  | 8.7       |
| 130°-140° | 762.6  | 9.2       |
| 140°-150° | 708.8  | 8.6       |
| 150°-160° | 569.8  | 6.9       |
| 160°-170° | 367.2  | 4.4       |
| 170°-180° | 126.4  | 1.5       |
| 0°-30°    | 1535.0 | 18.6      |
| 0°-40°    | 2375.3 | 28.7      |
| 0°-60°    | 3712.6 | 44.9      |
| 0°-90°    | 4373.3 | 52.9      |
| 90°-120°  | 639.9  | 7.7       |
| 90°-150°  | 2829.3 | 34.2      |
| 90°-180°  | 3893.0 | 47.1      |
| 0°-180°   | 8266.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1981 | 1981 | 1981 | 1981 | 1981 |      |
| 5°   | 1983 | 2213 | 1990 | 1760 | 1983 | 188  |
| 15°  | 1862 | 2720 | 1888 | 1305 | 1862 | 526  |
| 25°  | 1674 | 2266 | 1681 | 1048 | 1674 | 765  |
| 35°  | 1366 | 1234 | 1389 | 870  | 1366 | 855  |
| 45°  | 1025 | 743  | 1042 | 714  | 1025 | 795  |
| 55°  | 704  | 522  | 708  | 553  | 704  | 628  |
| 65°  | 417  | 321  | 425  | 373  | 417  | 415  |
| 75°  | 195  | 158  | 202  | 189  | 195  | 209  |
| 85°  | 40   | 41   | 43   | 30   | 40   | 46   |
| 90°  | 1    | 26   | 1    | 26   | 1    | 6    |
| 95°  | 62   | 41   | 62   | 41   | 62   | 74   |
| 105° | 292  | 73   | 292  | 73   | 292  | 312  |
| 115° | 552  | 79   | 552  | 79   | 552  | 544  |
| 125° | 781  | 822  | 781  | 822  | 781  | 697  |
| 135° | 967  | 998  | 967  | 998  | 967  | 747  |
| 145° | 1121 | 1138 | 1121 | 1138 | 1121 | 701  |
| 155° | 1235 | 1236 | 1235 | 1236 | 1235 | 569  |
| 165° | 1301 | 1298 | 1301 | 1298 | 1301 | 368  |
| 175° | 1331 | 1323 | 1331 | 1323 | 1331 | 127  |
| 180° | 1328 | 1328 | 1328 | 1328 | 1328 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 |
| 2.5°   | 1991.8 | 1996.4 | 2004.0 | 2005.5 | 2020.7 | 2032.9 | 2046.6 | 2046.6 | 2051.2 | 2049.7 | 2037.5 |
| 5°     | 1982.7 | 1996.4 | 2016.2 | 2032.9 | 2060.3 | 2072.5 | 2090.8 | 2104.5 | 2116.7 | 2125.8 | 2124.3 |
| 7.5°   | 1967.4 | 1991.8 | 2020.7 | 2052.7 | 2089.3 | 2110.6 | 2136.5 | 2160.8 | 2177.6 | 2192.8 | 2203.5 |
| 10°    | 1941.5 | 1982.7 | 2022.3 | 2064.9 | 2112.1 | 2141.0 | 2171.5 | 2203.5 | 2229.4 | 2258.3 | 2285.7 |
| 12.5°  | 1906.5 | 1965.9 | 2014.6 | 2071.0 | 2128.9 | 2160.8 | 2209.6 | 2233.9 | 2284.2 | 2357.3 | 2377.1 |
| 15°    | 1862.4 | 1943.1 | 1988.8 | 2060.3 | 2136.5 | 2162.4 | 2229.4 | 2268.9 | 2372.5 | 2418.2 | 2473.0 |
| 17.5°  | 1821.2 | 1911.1 | 1972.0 | 2054.2 | 2128.9 | 2179.1 | 2244.6 | 2325.3 | 2412.1 | 2477.6 | 2538.5 |
| 20°    | 1787.7 | 1874.5 | 1947.6 | 2039.0 | 2133.4 | 2197.4 | 2265.9 | 2363.4 | 2457.8 | 2524.8 | 2572.0 |
| 22.5°  | 1711.6 | 1822.8 | 1908.0 | 2010.1 | 2124.3 | 2212.6 | 2278.1 | 2384.7 | 2486.7 | 2527.8 | 2568.9 |
| 25°    | 1673.5 | 1769.5 | 1868.5 | 1984.2 | 2118.2 | 2223.3 | 2279.6 | 2398.4 | 2488.2 | 2503.5 | 2512.6 |
| 27.5°  | 1603.5 | 1711.6 | 1827.3 | 1959.8 | 2116.7 | 2205.0 | 2276.6 | 2384.7 | 2456.2 | 2445.6 | 2418.2 |
| 30°    | 1516.7 | 1649.2 | 1777.1 | 1920.2 | 2095.3 | 2191.3 | 2258.3 | 2357.3 | 2393.8 | 2339.0 | 2290.3 |
| 32.5°  | 1452.7 | 1577.6 | 1719.2 | 1885.2 | 2071.0 | 2162.4 | 2227.8 | 2305.5 | 2313.1 | 2214.1 | 2131.9 |
| 35°    | 1365.9 | 1504.5 | 1664.4 | 1839.5 | 2029.9 | 2112.1 | 2173.0 | 2220.2 | 2183.7 | 2045.1 | 1947.6 |
| 37.5°  | 1288.3 | 1425.3 | 1595.9 | 1774.0 | 1973.5 | 2054.2 | 2103.0 | 2110.6 | 2020.7 | 1898.9 | 1755.8 |
| 40°    | 1203.0 | 1344.6 | 1522.8 | 1710.1 | 1911.1 | 1981.1 | 2011.6 | 1988.8 | 1859.3 | 1717.7 | 1551.7 |
| 42.5°  | 1117.7 | 1257.8 | 1449.7 | 1641.6 | 1831.9 | 1891.3 | 1903.5 | 1841.0 | 1682.7 | 1516.7 | 1324.8 |
| 45°    | 1024.8 | 1171.0 | 1362.9 | 1556.3 | 1740.5 | 1774.0 | 1775.6 | 1685.7 | 1498.4 | 1324.8 | 1146.7 |
| 47.5°  | 948.7  | 1084.2 | 1274.6 | 1468.0 | 1623.3 | 1646.1 | 1637.0 | 1533.4 | 1329.4 | 1134.5 | 979.1  |
| 50°    | 864.9  | 994.4  | 1183.2 | 1373.6 | 1506.0 | 1512.1 | 1489.3 | 1341.6 | 1142.1 | 963.9  | 840.6  |
| 52.5°  | 775.1  | 906.1  | 1079.7 | 1262.4 | 1381.2 | 1372.0 | 1327.9 | 1169.5 | 982.2  | 834.5  | 740.1  |
| 55°    | 703.5  | 819.3  | 982.2  | 1160.4 | 1244.1 | 1218.2 | 1169.5 | 1008.1 | 860.4  | 735.5  | 653.3  |
| 57.5°  | 624.3  | 726.4  | 886.3  | 1041.6 | 1090.3 | 1065.9 | 1017.2 | 866.5  | 729.4  | 635.0  | 580.2  |
| 60°    | 549.7  | 642.6  | 782.7  | 912.1  | 950.2  | 924.3  | 868.0  | 732.5  | 633.5  | 554.3  | 513.2  |
| 62.5°  | 481.2  | 561.9  | 679.2  | 797.9  | 813.2  | 787.3  | 738.5  | 628.9  | 543.6  | 481.2  | 450.7  |
| 65°    | 417.2  | 493.4  | 587.8  | 677.6  | 691.3  | 663.9  | 613.7  | 534.5  | 462.9  | 423.3  | 394.4  |
| 67.5°  | 354.8  | 415.7  | 499.5  | 565.0  | 572.6  | 546.7  | 505.6  | 441.6  | 397.4  | 354.8  | 333.5  |
| 70°    | 300.0  | 345.7  | 411.2  | 464.4  | 467.5  | 443.1  | 421.8  | 363.9  | 330.4  | 300.0  | 283.2  |
| 72.5°  | 246.7  | 278.7  | 328.9  | 368.5  | 370.0  | 354.8  | 335.0  | 298.5  | 269.5  | 248.2  | 231.5  |
| 75°    | 194.9  | 222.3  | 252.8  | 287.8  | 286.3  | 274.1  | 258.9  | 236.0  | 211.7  | 198.0  | 190.3  |
| 77.5°  | 149.2  | 166.0  | 190.3  | 213.2  | 213.2  | 207.1  | 198.0  | 181.2  | 166.0  | 152.3  | 144.7  |
| 80°    | 106.6  | 117.3  | 137.1  | 144.7  | 147.7  | 146.2  | 138.6  | 126.4  | 120.3  | 109.6  | 106.6  |
| 82.5°  | 68.5   | 76.1   | 85.3   | 92.9   | 97.5   | 94.4   | 92.9   | 86.8   | 77.7   | 74.6   | 71.6   |
| 85°    | 39.6   | 42.6   | 47.2   | 51.8   | 53.3   | 51.8   | 54.8   | 50.3   | 45.7   | 45.7   | 44.2   |
| 87.5°  | 16.8   | 18.3   | 21.3   | 21.3   | 22.8   | 22.8   | 21.3   | 22.8   | 22.8   | 21.3   | 19.8   |
| 90°    | 1.0    | 3.3    | 5.7    | 8.0    | 10.3   | 11.5   | 12.4   | 14.1   | 15.8   | 17.5   | 19.2   |
| 92.5°  | 24.0   | 23.2   | 22.3   | 21.5   | 20.6   | 20.2   | 20.5   | 21.2   | 21.8   | 22.5   | 23.1   |
| 95°    | 62.5   | 55.4   | 48.4   | 41.3   | 34.2   | 30.7   | 31.5   | 33.0   | 34.5   | 36.0   | 37.5   |
| 97.5°  | 112.4  | 94.9   | 77.4   | 59.9   | 42.4   | 33.6   | 35.3   | 38.7   | 42.2   | 45.6   | 49.0   |
| 100°   | 170.1  | 140.8  | 111.6  | 82.3   | 53.0   | 38.4   | 40.2   | 43.9   | 47.5   | 51.2   | 54.8   |
| 102.5° | 233.5  | 233.1  | 232.6  | 232.2  | 231.7  | 231.5  | 212.1  | 173.2  | 134.4  | 95.5   | 56.7   |
| 105°   | 292.1  | 298.5  | 304.9  | 311.3  | 317.7  | 320.9  | 291.8  | 233.5  | 175.2  | 116.9  | 58.6   |
| 107.5° | 360.3  | 365.6  | 371.0  | 376.3  | 381.6  | 384.3  | 348.3  | 276.4  | 204.4  | 132.5  | 60.5   |
| 110°   | 425.6  | 430.1  | 434.6  | 439.1  | 443.6  | 445.8  | 414.9  | 353.2  | 291.5  | 229.8  | 168.1  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 487.1  | 490.9  | 494.8  | 498.6  | 502.5  | 504.4  | 502.6  | 499.0  | 495.3  | 491.7  | 488.1  |
| 115°   | 552.5  | 556.1  | 559.7  | 563.4  | 567.0  | 568.8  | 571.5  | 576.8  | 582.1  | 587.5  | 592.8  |
| 117.5° | 609.1  | 613.4  | 617.7  | 622.0  | 626.3  | 628.4  | 630.2  | 633.8  | 637.5  | 641.1  | 644.7  |
| 120°   | 672.6  | 675.8  | 679.0  | 682.2  | 685.4  | 687.0  | 688.9  | 692.8  | 696.6  | 700.5  | 704.3  |
| 122.5° | 726.4  | 729.8  | 733.2  | 736.6  | 740.0  | 741.7  | 743.8  | 748.1  | 752.4  | 756.6  | 760.9  |
| 125°   | 781.1  | 783.9  | 786.7  | 789.4  | 792.2  | 793.6  | 795.6  | 799.7  | 803.8  | 807.8  | 811.9  |
| 127.5° | 831.1  | 834.1  | 837.1  | 840.0  | 843.0  | 844.5  | 846.1  | 849.3  | 852.5  | 855.7  | 858.9  |
| 130°   | 878.2  | 881.6  | 885.0  | 888.4  | 891.8  | 893.5  | 894.7  | 897.0  | 899.4  | 901.7  | 904.1  |
| 132.5° | 926.2  | 929.0  | 931.8  | 934.5  | 937.3  | 938.7  | 939.9  | 942.2  | 944.6  | 946.9  | 949.3  |
| 135°   | 966.6  | 970.0  | 973.4  | 976.8  | 980.2  | 981.9  | 982.9  | 984.8  | 986.7  | 988.7  | 990.6  |
| 137.5° | 1008.8 | 1011.4 | 1014.0 | 1016.5 | 1019.1 | 1020.4 | 1021.5 | 1023.6 | 1025.7 | 1027.9 | 1030.0 |
| 140°   | 1050.1 | 1051.8 | 1053.5 | 1055.2 | 1056.9 | 1057.8 | 1059.0 | 1061.3 | 1063.7 | 1066.0 | 1068.4 |
| 142.5° | 1084.7 | 1086.2 | 1087.7 | 1089.2 | 1090.7 | 1091.5 | 1092.9 | 1095.6 | 1098.4 | 1101.1 | 1103.9 |
| 145°   | 1121.2 | 1121.0 | 1120.8 | 1120.6 | 1120.4 | 1120.3 | 1122.1 | 1125.7 | 1129.4 | 1133.0 | 1136.6 |
| 147.5° | 1152.9 | 1152.3 | 1151.7 | 1151.0 | 1150.4 | 1150.1 | 1151.9 | 1155.5 | 1159.2 | 1162.8 | 1166.4 |
| 150°   | 1183.7 | 1182.2 | 1180.7 | 1179.2 | 1177.7 | 1177.0 | 1178.7 | 1182.1 | 1185.5 | 1188.9 | 1192.3 |
| 152.5° | 1209.6 | 1207.9 | 1206.2 | 1204.5 | 1202.8 | 1201.9 | 1203.5 | 1206.7 | 1210.0 | 1213.2 | 1216.4 |
| 155°   | 1234.6 | 1232.7 | 1230.8 | 1228.9 | 1227.0 | 1226.0 | 1227.3 | 1229.8 | 1232.4 | 1234.9 | 1237.5 |
| 157.5° | 1254.8 | 1253.1 | 1251.4 | 1249.7 | 1248.0 | 1247.1 | 1248.1 | 1250.0 | 1251.9 | 1253.8 | 1255.7 |
| 160°   | 1272.1 | 1270.8 | 1269.5 | 1268.2 | 1266.9 | 1266.3 | 1266.9 | 1268.2 | 1269.5 | 1270.8 | 1272.1 |
| 162.5° | 1287.5 | 1286.2 | 1284.9 | 1283.6 | 1282.3 | 1281.7 | 1282.2 | 1283.3 | 1284.4 | 1285.4 | 1286.5 |
| 165°   | 1300.9 | 1299.6 | 1298.3 | 1297.0 | 1295.7 | 1295.1 | 1295.4 | 1296.1 | 1296.7 | 1297.4 | 1298.0 |
| 167.5° | 1311.5 | 1310.2 | 1308.9 | 1307.6 | 1306.3 | 1305.7 | 1306.0 | 1306.7 | 1307.3 | 1308.0 | 1308.6 |
| 170°   | 1320.1 | 1318.8 | 1317.6 | 1316.3 | 1315.0 | 1314.4 | 1314.6 | 1315.0 | 1315.5 | 1315.9 | 1316.3 |
| 172.5° | 1325.9 | 1324.6 | 1323.3 | 1322.0 | 1320.7 | 1320.1 | 1320.3 | 1320.7 | 1321.2 | 1321.6 | 1322.0 |
| 175°   | 1330.7 | 1329.2 | 1327.7 | 1326.2 | 1324.7 | 1324.0 | 1324.2 | 1324.6 | 1325.1 | 1325.5 | 1325.9 |
| 177.5° | 1332.6 | 1331.1 | 1329.6 | 1328.1 | 1326.6 | 1325.9 | 1326.0 | 1326.2 | 1326.4 | 1326.6 | 1326.8 |
| 180°   | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 |

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CATALOG NUMBER: S122DIW-B1005D970UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 |
| 2.5°   | 2058.8 | 2060.3 | 2063.4 | 2078.6 | 2086.2 | 2087.7 | 2081.6 | 2095.3 | 2099.9 | 2095.3 | 2092.3 |
| 5°     | 2156.3 | 2165.4 | 2183.7 | 2203.5 | 2201.9 | 2203.5 | 2212.6 | 2221.7 | 2224.8 | 2212.6 | 2217.2 |
| 7.5°   | 2241.5 | 2259.8 | 2279.6 | 2310.1 | 2310.1 | 2325.3 | 2331.4 | 2339.0 | 2357.3 | 2348.1 | 2345.1 |
| 10°    | 2339.0 | 2363.4 | 2399.9 | 2448.6 | 2450.2 | 2465.4 | 2480.6 | 2505.0 | 2512.6 | 2506.5 | 2509.5 |
| 12.5°  | 2460.8 | 2508.0 | 2511.1 | 2564.4 | 2588.7 | 2591.8 | 2616.1 | 2611.6 | 2626.8 | 2626.8 | 2652.7 |
| 15°    | 2514.1 | 2587.2 | 2628.3 | 2680.1 | 2695.3 | 2677.1 | 2696.8 | 2718.2 | 2719.7 | 2719.7 | 2718.2 |
| 17.5°  | 2610.1 | 2639.0 | 2680.1 | 2707.5 | 2713.6 | 2713.6 | 2715.1 | 2724.3 | 2718.2 | 2706.0 | 2715.1 |
| 20°    | 2629.8 | 2642.0 | 2657.3 | 2654.2 | 2657.3 | 2642.0 | 2626.8 | 2611.6 | 2613.1 | 2605.5 | 2628.3 |
| 22.5°  | 2593.3 | 2590.3 | 2555.2 | 2532.4 | 2532.4 | 2501.9 | 2473.0 | 2459.3 | 2445.6 | 2450.2 | 2457.8 |
| 25°    | 2501.9 | 2454.7 | 2412.1 | 2378.6 | 2371.0 | 2322.2 | 2282.7 | 2270.5 | 2247.6 | 2265.9 | 2268.9 |
| 27.5°  | 2355.7 | 2302.4 | 2233.9 | 2205.0 | 2165.4 | 2145.6 | 2118.2 | 2081.6 | 2034.4 | 2061.8 | 2057.3 |
| 30°    | 2198.9 | 2119.7 | 2063.4 | 1993.3 | 1930.9 | 1926.3 | 1874.5 | 1813.6 | 1789.3 | 1789.3 | 1803.0 |
| 32.5°  | 2023.8 | 1918.7 | 1836.5 | 1737.5 | 1676.6 | 1650.7 | 1588.3 | 1527.4 | 1541.1 | 1495.4 | 1512.1 |
| 35°    | 1819.7 | 1681.2 | 1577.6 | 1481.7 | 1436.0 | 1405.5 | 1324.8 | 1291.3 | 1254.8 | 1233.5 | 1273.0 |
| 37.5°  | 1624.8 | 1464.9 | 1332.4 | 1227.4 | 1210.6 | 1155.8 | 1101.0 | 1079.7 | 1058.3 | 1067.5 | 1065.9 |
| 40°    | 1387.3 | 1245.6 | 1126.9 | 1044.6 | 1015.7 | 989.8  | 953.3  | 927.4  | 913.7  | 921.3  | 922.8  |
| 42.5°  | 1172.5 | 1053.8 | 965.4  | 907.6  | 883.2  | 864.9  | 846.7  | 825.3  | 820.8  | 820.8  | 826.9  |
| 45°    | 1006.6 | 909.1  | 849.7  | 802.5  | 788.8  | 775.1  | 761.4  | 752.3  | 749.2  | 743.1  | 747.7  |
| 47.5°  | 874.1  | 796.4  | 759.9  | 724.8  | 709.6  | 706.6  | 694.4  | 689.8  | 683.7  | 682.2  | 683.7  |
| 50°    | 762.9  | 714.2  | 680.7  | 660.9  | 650.2  | 645.7  | 639.6  | 630.4  | 627.4  | 635.0  | 632.0  |
| 52.5°  | 685.3  | 639.6  | 621.3  | 601.5  | 595.4  | 589.3  | 580.2  | 581.7  | 580.2  | 577.1  | 577.1  |
| 55°    | 607.6  | 578.7  | 560.4  | 545.2  | 543.6  | 537.5  | 529.9  | 526.9  | 525.4  | 522.3  | 526.9  |
| 57.5°  | 545.2  | 522.3  | 505.6  | 491.9  | 485.8  | 485.8  | 478.2  | 472.1  | 472.1  | 470.5  | 472.1  |
| 60°    | 482.7  | 459.9  | 449.2  | 435.5  | 430.9  | 429.4  | 424.9  | 421.8  | 417.2  | 417.2  | 417.2  |
| 62.5°  | 424.9  | 406.6  | 394.4  | 382.2  | 383.7  | 376.1  | 370.0  | 367.0  | 367.0  | 368.5  | 368.5  |
| 65°    | 370.0  | 357.9  | 342.6  | 332.0  | 328.9  | 327.4  | 324.4  | 322.8  | 318.3  | 321.3  | 321.3  |
| 67.5°  | 319.8  | 303.0  | 293.9  | 289.3  | 284.8  | 283.2  | 280.2  | 277.1  | 275.6  | 274.1  | 277.1  |
| 70°    | 269.5  | 255.8  | 248.2  | 245.2  | 240.6  | 239.1  | 237.6  | 233.0  | 234.5  | 236.0  | 237.6  |
| 72.5°  | 223.8  | 211.7  | 210.1  | 201.0  | 201.0  | 201.0  | 194.9  | 198.0  | 196.4  | 193.4  | 196.4  |
| 75°    | 176.6  | 170.6  | 167.5  | 162.9  | 164.5  | 162.9  | 161.4  | 156.8  | 156.8  | 158.4  | 159.9  |
| 77.5°  | 140.1  | 134.0  | 132.5  | 127.9  | 124.9  | 127.9  | 124.9  | 123.3  | 123.3  | 124.9  | 124.9  |
| 80°    | 103.5  | 100.5  | 95.9   | 95.9   | 95.9   | 94.4   | 94.4   | 94.4   | 92.9   | 91.4   | 92.9   |
| 82.5°  | 68.5   | 68.5   | 67.0   | 65.5   | 67.0   | 64.0   | 65.5   | 65.5   | 65.5   | 65.5   | 65.5   |
| 85°    | 44.2   | 42.6   | 42.6   | 41.1   | 41.1   | 41.1   | 42.6   | 39.6   | 39.6   | 41.1   | 41.1   |
| 87.5°  | 19.8   | 19.8   | 19.8   | 21.3   | 19.8   | 19.8   | 19.8   | 21.3   | 19.8   | 19.8   | 19.8   |
| 90°    | 20.3   | 21.3   | 22.4   | 23.5   | 24.0   | 24.2   | 24.6   | 25.1   | 25.5   | 25.9   | 25.5   |
| 92.5°  | 23.5   | 23.9   | 24.4   | 24.8   | 25.0   | 25.1   | 25.3   | 25.5   | 25.7   | 25.9   | 25.7   |
| 95°    | 38.6   | 39.6   | 40.7   | 41.8   | 42.3   | 42.2   | 42.0   | 41.7   | 41.5   | 41.3   | 41.5   |
| 97.5°  | 49.6   | 50.3   | 50.9   | 51.6   | 51.9   | 52.0   | 52.2   | 52.4   | 52.6   | 52.8   | 52.6   |
| 100°   | 56.5   | 58.2   | 59.9   | 61.6   | 62.5   | 62.7   | 63.1   | 63.6   | 64.0   | 64.4   | 64.0   |
| 102.5° | 59.1   | 61.4   | 63.8   | 66.1   | 67.3   | 67.6   | 68.2   | 68.9   | 69.5   | 70.1   | 69.5   |
| 105°   | 61.0   | 63.3   | 65.7   | 68.0   | 69.2   | 69.6   | 70.5   | 71.3   | 72.2   | 73.0   | 72.2   |
| 107.5° | 62.9   | 65.2   | 67.6   | 69.9   | 71.1   | 71.5   | 72.4   | 73.2   | 74.1   | 74.9   | 74.1   |
| 110°   | 146.8  | 125.4  | 104.1  | 82.8   | 72.1   | 72.5   | 73.4   | 74.2   | 75.1   | 75.9   | 75.1   |

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CATALOG NUMBER: S122DIW-B1005D970UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 396.1  | 304.1  | 212.0  | 120.0  | 74.0   | 74.3   | 75.0   | 75.6   | 76.3   | 76.9   | 76.3   |
| 115°   | 494.0  | 395.1  | 296.3  | 197.4  | 148.0  | 140.3  | 124.9  | 109.6  | 94.2   | 78.8   | 94.2   |
| 117.5° | 614.2  | 583.6  | 553.1  | 522.6  | 507.3  | 479.3  | 423.4  | 367.5  | 311.5  | 255.6  | 311.5  |
| 120°   | 706.9  | 709.4  | 712.0  | 714.5  | 715.8  | 701.4  | 672.6  | 643.7  | 614.9  | 586.1  | 614.9  |
| 122.5° | 762.2  | 763.5  | 764.8  | 766.1  | 766.7  | 766.8  | 767.0  | 767.3  | 767.5  | 767.7  | 767.5  |
| 125°   | 813.4  | 814.9  | 816.4  | 817.9  | 818.6  | 818.9  | 819.6  | 820.2  | 820.9  | 821.5  | 820.9  |
| 127.5° | 861.1  | 863.2  | 865.4  | 867.5  | 868.6  | 868.7  | 868.9  | 869.1  | 869.3  | 869.5  | 869.3  |
| 130°   | 906.5  | 908.8  | 911.2  | 913.5  | 914.7  | 914.6  | 914.4  | 914.1  | 913.9  | 913.7  | 913.9  |
| 132.5° | 951.2  | 953.1  | 955.0  | 956.9  | 957.9  | 957.8  | 957.6  | 957.3  | 957.1  | 956.9  | 957.1  |
| 135°   | 992.7  | 994.9  | 997.0  | 999.1  | 1000.2 | 1000.0 | 999.6  | 999.1  | 998.7  | 998.3  | 998.7  |
| 137.5° | 1032.1 | 1034.3 | 1036.4 | 1038.5 | 1039.6 | 1039.3 | 1038.6 | 1038.0 | 1037.3 | 1036.7 | 1037.3 |
| 140°   | 1070.3 | 1072.2 | 1074.1 | 1076.0 | 1077.0 | 1076.5 | 1075.4 | 1074.3 | 1073.3 | 1072.2 | 1073.3 |
| 142.5° | 1105.6 | 1107.3 | 1109.0 | 1110.7 | 1111.6 | 1111.1 | 1110.0 | 1108.9 | 1107.9 | 1106.8 | 1107.9 |
| 145°   | 1138.1 | 1139.6 | 1141.1 | 1142.6 | 1143.3 | 1142.8 | 1141.7 | 1140.6 | 1139.6 | 1138.5 | 1139.6 |
| 147.5° | 1167.5 | 1168.5 | 1169.6 | 1170.7 | 1171.2 | 1170.8 | 1169.9 | 1169.1 | 1168.2 | 1167.4 | 1168.2 |
| 150°   | 1193.6 | 1194.9 | 1196.2 | 1197.5 | 1198.1 | 1197.6 | 1196.5 | 1195.4 | 1194.4 | 1193.3 | 1194.4 |
| 152.5° | 1217.7 | 1218.9 | 1220.2 | 1221.5 | 1222.1 | 1221.4 | 1219.9 | 1218.4 | 1216.9 | 1215.4 | 1216.9 |
| 155°   | 1238.8 | 1240.1 | 1241.4 | 1242.7 | 1243.3 | 1242.4 | 1240.7 | 1239.0 | 1237.3 | 1235.6 | 1237.3 |
| 157.5° | 1257.2 | 1258.7 | 1260.2 | 1261.7 | 1262.5 | 1261.6 | 1259.9 | 1258.2 | 1256.5 | 1254.8 | 1256.5 |
| 160°   | 1273.4 | 1274.6 | 1275.9 | 1277.2 | 1277.8 | 1277.1 | 1275.6 | 1274.1 | 1272.6 | 1271.1 | 1272.6 |
| 162.5° | 1288.0 | 1289.5 | 1291.0 | 1292.5 | 1293.2 | 1292.2 | 1290.3 | 1288.4 | 1286.5 | 1284.6 | 1286.5 |
| 165°   | 1299.5 | 1301.0 | 1302.5 | 1304.0 | 1304.7 | 1304.0 | 1302.5 | 1301.0 | 1299.5 | 1298.0 | 1299.5 |
| 167.5° | 1310.1 | 1311.6 | 1313.1 | 1314.6 | 1315.3 | 1314.3 | 1312.4 | 1310.5 | 1308.6 | 1306.7 | 1308.6 |
| 170°   | 1317.8 | 1319.3 | 1320.8 | 1322.3 | 1323.0 | 1322.0 | 1320.1 | 1318.2 | 1316.3 | 1314.4 | 1316.3 |
| 172.5° | 1323.5 | 1325.0 | 1326.5 | 1328.0 | 1328.8 | 1327.8 | 1325.9 | 1324.0 | 1322.0 | 1320.1 | 1322.0 |
| 175°   | 1327.4 | 1328.9 | 1330.4 | 1331.9 | 1332.6 | 1331.5 | 1329.4 | 1327.3 | 1325.1 | 1323.0 | 1325.1 |
| 177.5° | 1328.3 | 1329.8 | 1331.3 | 1332.8 | 1333.6 | 1332.6 | 1330.7 | 1328.8 | 1326.8 | 1324.9 | 1326.8 |
| 180°   | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 |

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**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 |
| 2.5°   | 2099.9 | 2089.3 | 2080.1 | 2081.6 | 2089.3 | 2083.2 | 2067.9 | 2048.1 | 2040.5 | 2031.4 | 2040.5 |
| 5°     | 2226.3 | 2217.2 | 2198.9 | 2200.4 | 2195.9 | 2189.8 | 2165.4 | 2134.9 | 2134.9 | 2110.6 | 2107.5 |
| 7.5°   | 2351.2 | 2337.5 | 2325.3 | 2322.2 | 2305.5 | 2293.3 | 2272.0 | 2229.4 | 2212.6 | 2183.7 | 2166.9 |
| 10°    | 2491.3 | 2480.6 | 2466.9 | 2450.2 | 2441.0 | 2419.7 | 2384.7 | 2322.2 | 2291.8 | 2252.2 | 2223.3 |
| 12.5°  | 2632.9 | 2631.4 | 2600.9 | 2567.4 | 2565.9 | 2532.4 | 2508.0 | 2424.3 | 2383.2 | 2329.9 | 2261.3 |
| 15°    | 2722.7 | 2715.1 | 2698.4 | 2681.6 | 2686.2 | 2649.6 | 2594.8 | 2495.8 | 2468.4 | 2404.5 | 2331.4 |
| 17.5°  | 2721.2 | 2721.2 | 2716.6 | 2713.6 | 2709.0 | 2698.4 | 2667.9 | 2602.4 | 2558.3 | 2477.6 | 2409.0 |
| 20°    | 2634.4 | 2654.2 | 2658.8 | 2657.3 | 2672.5 | 2680.1 | 2678.6 | 2637.5 | 2602.4 | 2530.9 | 2460.8 |
| 22.5°  | 2460.8 | 2506.5 | 2526.3 | 2538.5 | 2570.5 | 2587.2 | 2626.8 | 2611.6 | 2602.4 | 2549.1 | 2489.8 |
| 25°    | 2299.4 | 2314.6 | 2374.0 | 2377.1 | 2421.2 | 2462.3 | 2501.9 | 2527.8 | 2561.3 | 2541.5 | 2491.3 |
| 27.5°  | 2090.8 | 2125.8 | 2168.4 | 2200.4 | 2209.6 | 2293.3 | 2358.8 | 2407.5 | 2483.7 | 2489.8 | 2473.0 |
| 30°    | 1854.7 | 1871.5 | 1941.5 | 1984.2 | 2032.9 | 2093.8 | 2188.2 | 2272.0 | 2340.5 | 2403.0 | 2424.3 |
| 32.5°  | 1566.9 | 1635.5 | 1676.6 | 1728.4 | 1771.0 | 1879.1 | 1994.8 | 2103.0 | 2182.1 | 2287.2 | 2332.9 |
| 35°    | 1303.5 | 1356.8 | 1426.8 | 1448.2 | 1525.8 | 1617.2 | 1768.0 | 1906.5 | 2026.8 | 2133.4 | 2226.3 |
| 37.5°  | 1085.7 | 1128.4 | 1203.0 | 1236.5 | 1282.2 | 1399.4 | 1525.8 | 1697.9 | 1842.6 | 1973.5 | 2089.3 |
| 40°    | 936.5  | 968.5  | 1024.8 | 1035.5 | 1073.6 | 1180.2 | 1282.2 | 1443.6 | 1635.5 | 1812.1 | 1938.5 |
| 42.5°  | 834.5  | 849.7  | 887.8  | 901.5  | 925.9  | 997.4  | 1088.8 | 1241.1 | 1419.2 | 1602.0 | 1780.1 |
| 45°    | 761.4  | 772.1  | 794.9  | 807.1  | 837.5  | 869.5  | 944.1  | 1065.9 | 1206.0 | 1390.3 | 1582.2 |
| 47.5°  | 695.9  | 709.6  | 718.8  | 726.4  | 743.1  | 778.1  | 826.9  | 916.7  | 1050.7 | 1219.7 | 1405.5 |
| 50°    | 641.1  | 645.7  | 662.4  | 663.9  | 674.6  | 697.4  | 743.1  | 797.9  | 904.5  | 1041.6 | 1221.3 |
| 52.5°  | 586.3  | 590.8  | 601.5  | 612.2  | 616.7  | 635.0  | 665.5  | 711.1  | 790.3  | 898.4  | 1058.3 |
| 55°    | 531.5  | 537.5  | 548.2  | 555.8  | 560.4  | 575.6  | 593.9  | 638.0  | 700.5  | 776.6  | 907.6  |
| 57.5°  | 476.6  | 490.3  | 493.4  | 498.0  | 505.6  | 522.3  | 539.1  | 565.0  | 613.7  | 683.7  | 779.7  |
| 60°    | 424.9  | 429.4  | 440.1  | 444.7  | 452.3  | 461.4  | 482.7  | 502.5  | 537.5  | 592.4  | 679.2  |
| 62.5°  | 371.6  | 382.2  | 386.8  | 391.4  | 397.4  | 408.1  | 421.8  | 443.1  | 473.6  | 517.7  | 586.3  |
| 65°    | 325.9  | 327.4  | 336.5  | 342.6  | 348.7  | 356.3  | 370.0  | 389.8  | 408.1  | 449.2  | 499.5  |
| 67.5°  | 281.7  | 284.8  | 287.8  | 293.9  | 301.5  | 309.1  | 321.3  | 332.0  | 354.8  | 382.2  | 421.8  |
| 70°    | 239.1  | 239.1  | 246.7  | 251.3  | 249.7  | 258.9  | 268.0  | 280.2  | 296.9  | 322.8  | 354.8  |
| 72.5°  | 201.0  | 199.5  | 205.6  | 207.1  | 210.1  | 216.2  | 222.3  | 234.5  | 243.6  | 263.4  | 287.8  |
| 75°    | 159.9  | 162.9  | 166.0  | 166.0  | 170.6  | 175.1  | 181.2  | 187.3  | 198.0  | 210.1  | 228.4  |
| 77.5°  | 126.4  | 126.4  | 129.4  | 131.0  | 135.5  | 134.0  | 140.1  | 146.2  | 153.8  | 164.5  | 178.2  |
| 80°    | 92.9   | 95.9   | 95.9   | 95.9   | 97.5   | 99.0   | 105.1  | 109.6  | 114.2  | 121.8  | 127.9  |
| 82.5°  | 65.5   | 65.5   | 68.5   | 68.5   | 68.5   | 71.6   | 71.6   | 73.1   | 76.1   | 80.7   | 85.3   |
| 85°    | 41.1   | 41.1   | 41.1   | 42.6   | 41.1   | 42.6   | 45.7   | 44.2   | 45.7   | 48.7   | 48.7   |
| 87.5°  | 19.8   | 19.8   | 19.8   | 19.8   | 19.8   | 21.3   | 19.8   | 21.3   | 22.8   | 22.8   | 22.8   |
| 90°    | 25.1   | 24.6   | 24.2   | 24.0   | 23.5   | 22.4   | 21.3   | 20.3   | 19.2   | 17.5   | 15.8   |
| 92.5°  | 25.5   | 25.3   | 25.1   | 25.0   | 24.8   | 24.4   | 23.9   | 23.5   | 23.1   | 22.5   | 21.8   |
| 95°    | 41.7   | 42.0   | 42.2   | 42.3   | 41.8   | 40.7   | 39.6   | 38.6   | 37.5   | 36.0   | 34.5   |
| 97.5°  | 52.4   | 52.2   | 52.0   | 51.9   | 51.6   | 50.9   | 50.3   | 49.6   | 49.0   | 45.6   | 42.2   |
| 100°   | 63.6   | 63.1   | 62.7   | 62.5   | 61.6   | 59.9   | 58.2   | 56.5   | 54.8   | 51.2   | 47.5   |
| 102.5° | 68.9   | 68.2   | 67.6   | 67.3   | 66.1   | 63.8   | 61.4   | 59.1   | 56.7   | 95.5   | 134.4  |
| 105°   | 71.3   | 70.5   | 69.6   | 69.2   | 68.0   | 65.7   | 63.3   | 61.0   | 58.6   | 116.9  | 175.2  |
| 107.5° | 73.2   | 72.4   | 71.5   | 71.1   | 69.9   | 67.6   | 65.2   | 62.9   | 60.5   | 132.5  | 204.4  |
| 110°   | 74.2   | 73.4   | 72.5   | 72.1   | 82.8   | 104.1  | 125.4  | 146.8  | 168.1  | 229.8  | 291.5  |

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**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 75.6   | 75.0   | 74.3   | 74.0   | 120.0  | 212.0  | 304.1  | 396.1  | 488.1  | 491.7  | 495.3  |
| 115°   | 109.6  | 124.9  | 140.3  | 148.0  | 197.4  | 296.3  | 395.1  | 494.0  | 592.8  | 587.5  | 582.1  |
| 117.5° | 367.5  | 423.4  | 479.3  | 507.3  | 522.6  | 553.1  | 583.6  | 614.2  | 644.7  | 641.1  | 637.5  |
| 120°   | 643.7  | 672.6  | 701.4  | 715.8  | 714.5  | 712.0  | 709.4  | 706.9  | 704.3  | 700.5  | 696.6  |
| 122.5° | 767.3  | 767.0  | 766.8  | 766.7  | 766.1  | 764.8  | 763.5  | 762.2  | 760.9  | 756.6  | 752.4  |
| 125°   | 820.2  | 819.6  | 818.9  | 818.6  | 817.9  | 816.4  | 814.9  | 813.4  | 811.9  | 807.8  | 803.8  |
| 127.5° | 869.1  | 868.9  | 868.7  | 868.6  | 867.5  | 865.4  | 863.2  | 861.1  | 858.9  | 855.7  | 852.5  |
| 130°   | 914.1  | 914.4  | 914.6  | 914.7  | 913.5  | 911.2  | 908.8  | 906.5  | 904.1  | 901.7  | 899.4  |
| 132.5° | 957.3  | 957.6  | 957.8  | 957.9  | 956.9  | 955.0  | 953.1  | 951.2  | 949.3  | 946.9  | 944.6  |
| 135°   | 999.1  | 999.6  | 1000.0 | 1000.2 | 999.1  | 997.0  | 994.9  | 992.7  | 990.6  | 988.7  | 986.7  |
| 137.5° | 1038.0 | 1038.6 | 1039.3 | 1039.6 | 1038.5 | 1036.4 | 1034.3 | 1032.1 | 1030.0 | 1027.9 | 1025.7 |
| 140°   | 1074.3 | 1075.4 | 1076.5 | 1077.0 | 1076.0 | 1074.1 | 1072.2 | 1070.3 | 1068.4 | 1066.0 | 1063.7 |
| 142.5° | 1108.9 | 1110.0 | 1111.1 | 1111.6 | 1110.7 | 1109.0 | 1107.3 | 1105.6 | 1103.9 | 1101.1 | 1098.4 |
| 145°   | 1140.6 | 1141.7 | 1142.8 | 1143.3 | 1142.6 | 1141.1 | 1139.6 | 1138.1 | 1136.6 | 1133.0 | 1129.4 |
| 147.5° | 1169.1 | 1169.9 | 1170.8 | 1171.2 | 1170.7 | 1169.6 | 1168.5 | 1167.5 | 1166.4 | 1162.8 | 1159.2 |
| 150°   | 1195.4 | 1196.5 | 1197.6 | 1198.1 | 1197.5 | 1196.2 | 1194.9 | 1193.6 | 1192.3 | 1188.9 | 1185.5 |
| 152.5° | 1218.4 | 1219.9 | 1221.4 | 1222.1 | 1221.5 | 1220.2 | 1218.9 | 1217.7 | 1216.4 | 1213.2 | 1210.0 |
| 155°   | 1239.0 | 1240.7 | 1242.4 | 1243.3 | 1242.7 | 1241.4 | 1240.1 | 1238.8 | 1237.5 | 1234.9 | 1232.4 |
| 157.5° | 1258.2 | 1259.9 | 1261.6 | 1262.5 | 1261.7 | 1260.2 | 1258.7 | 1257.2 | 1255.7 | 1253.8 | 1251.9 |
| 160°   | 1274.1 | 1275.6 | 1277.1 | 1277.8 | 1277.2 | 1275.9 | 1274.6 | 1273.4 | 1272.1 | 1270.8 | 1269.5 |
| 162.5° | 1288.4 | 1290.3 | 1292.2 | 1293.2 | 1292.5 | 1291.0 | 1289.5 | 1288.0 | 1286.5 | 1285.4 | 1284.4 |
| 165°   | 1301.0 | 1302.5 | 1304.0 | 1304.7 | 1304.0 | 1302.5 | 1301.0 | 1299.5 | 1298.0 | 1297.4 | 1296.7 |
| 167.5° | 1310.5 | 1312.4 | 1314.3 | 1315.3 | 1314.6 | 1313.1 | 1311.6 | 1310.1 | 1308.6 | 1308.0 | 1307.3 |
| 170°   | 1318.2 | 1320.1 | 1322.0 | 1323.0 | 1322.3 | 1320.8 | 1319.3 | 1317.8 | 1316.3 | 1315.9 | 1315.5 |
| 172.5° | 1324.0 | 1325.9 | 1327.8 | 1328.8 | 1328.0 | 1326.5 | 1325.0 | 1323.5 | 1322.0 | 1321.6 | 1321.2 |
| 175°   | 1327.3 | 1329.4 | 1331.5 | 1332.6 | 1331.9 | 1330.4 | 1328.9 | 1327.4 | 1325.9 | 1325.5 | 1325.1 |
| 177.5° | 1328.8 | 1330.7 | 1332.6 | 1333.6 | 1332.8 | 1331.3 | 1329.8 | 1328.3 | 1326.8 | 1326.6 | 1326.4 |
| 180°   | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 |
| 2.5°   | 2032.9 | 2025.3 | 2020.7 | 2023.8 | 2014.6 | 1991.8 | 1991.8 | 1999.4 | 1990.3 | 1981.1 | 1967.4 |
| 5°     | 2089.3 | 2074.0 | 2064.9 | 2063.4 | 2042.1 | 2005.5 | 1997.9 | 1990.3 | 1970.5 | 1949.2 | 1926.3 |
| 7.5°   | 2144.1 | 2116.7 | 2101.4 | 2090.8 | 2060.3 | 2013.1 | 1993.3 | 1976.6 | 1944.6 | 1912.6 | 1883.7 |
| 10°    | 2189.8 | 2150.2 | 2131.9 | 2115.1 | 2075.6 | 2016.2 | 1984.2 | 1953.7 | 1912.6 | 1871.5 | 1835.0 |
| 12.5°  | 2226.3 | 2180.6 | 2157.8 | 2133.4 | 2084.7 | 2007.0 | 1967.4 | 1918.7 | 1877.6 | 1822.8 | 1786.2 |
| 15°    | 2287.2 | 2192.8 | 2171.5 | 2148.6 | 2098.4 | 1991.8 | 1943.1 | 1888.3 | 1831.9 | 1758.8 | 1719.2 |
| 17.5°  | 2335.9 | 2209.6 | 2208.0 | 2159.3 | 2093.8 | 1985.7 | 1911.1 | 1839.5 | 1778.6 | 1705.5 | 1643.1 |
| 20°    | 2364.9 | 2235.4 | 2211.1 | 2160.8 | 2078.6 | 1944.6 | 1866.9 | 1787.7 | 1722.3 | 1633.9 | 1571.5 |
| 22.5°  | 2389.2 | 2272.0 | 2208.0 | 2147.1 | 2046.6 | 1930.9 | 1816.7 | 1742.1 | 1652.2 | 1556.3 | 1496.9 |
| 25°    | 2398.4 | 2279.6 | 2212.6 | 2142.6 | 2023.8 | 1891.3 | 1761.9 | 1681.2 | 1580.6 | 1493.9 | 1413.1 |
| 27.5°  | 2399.9 | 2278.1 | 2195.9 | 2122.8 | 1991.8 | 1839.5 | 1707.0 | 1621.8 | 1510.6 | 1410.1 | 1329.4 |
| 30°    | 2384.7 | 2261.3 | 2186.7 | 2107.5 | 1961.3 | 1792.3 | 1640.0 | 1545.6 | 1426.8 | 1326.3 | 1242.6 |
| 32.5°  | 2339.0 | 2227.8 | 2166.9 | 2080.1 | 1921.8 | 1726.8 | 1576.1 | 1471.0 | 1346.1 | 1247.2 | 1166.5 |
| 35°    | 2262.9 | 2186.7 | 2119.7 | 2039.0 | 1870.0 | 1665.9 | 1512.1 | 1388.8 | 1262.4 | 1168.0 | 1091.8 |
| 37.5°  | 2168.4 | 2127.3 | 2064.9 | 1985.7 | 1810.6 | 1611.1 | 1440.6 | 1303.5 | 1177.1 | 1085.7 | 1011.1 |
| 40°    | 2040.5 | 2051.2 | 1990.3 | 1918.7 | 1740.5 | 1536.5 | 1347.7 | 1216.7 | 1097.9 | 1012.7 | 939.6  |
| 42.5°  | 1902.0 | 1946.1 | 1911.1 | 1842.6 | 1662.9 | 1454.3 | 1279.1 | 1134.5 | 1018.7 | 930.4  | 869.5  |
| 45°    | 1752.7 | 1828.9 | 1807.5 | 1757.3 | 1582.2 | 1367.5 | 1181.7 | 1041.6 | 939.6  | 854.3  | 801.0  |
| 47.5°  | 1589.8 | 1697.9 | 1697.9 | 1661.4 | 1492.3 | 1280.7 | 1097.9 | 954.8  | 854.3  | 793.4  | 741.6  |
| 50°    | 1423.8 | 1545.6 | 1565.4 | 1541.1 | 1391.8 | 1181.7 | 995.9  | 866.5  | 779.7  | 720.3  | 682.2  |
| 52.5°  | 1250.2 | 1391.8 | 1428.4 | 1416.2 | 1285.2 | 1087.3 | 912.1  | 785.8  | 706.6  | 654.8  | 621.3  |
| 55°    | 1084.2 | 1248.7 | 1288.3 | 1292.8 | 1171.0 | 983.7  | 819.3  | 708.1  | 632.0  | 596.9  | 568.0  |
| 57.5°  | 927.4  | 1085.7 | 1129.9 | 1137.5 | 1055.3 | 889.3  | 732.5  | 635.0  | 566.5  | 537.5  | 514.7  |
| 60°    | 793.4  | 925.9  | 983.7  | 1000.5 | 928.9  | 779.7  | 651.8  | 557.3  | 505.6  | 478.2  | 456.8  |
| 62.5°  | 683.7  | 790.3  | 851.2  | 855.8  | 823.8  | 683.7  | 568.0  | 488.8  | 444.7  | 420.3  | 409.6  |
| 65°    | 577.1  | 673.1  | 709.6  | 727.9  | 702.0  | 592.4  | 490.3  | 424.9  | 389.8  | 368.5  | 357.9  |
| 67.5°  | 491.9  | 552.8  | 583.2  | 607.6  | 581.7  | 499.5  | 417.2  | 363.9  | 338.1  | 316.7  | 310.6  |
| 70°    | 403.5  | 453.8  | 476.6  | 501.0  | 478.2  | 415.7  | 356.3  | 307.6  | 284.8  | 268.0  | 260.4  |
| 72.5°  | 322.8  | 362.4  | 383.7  | 399.0  | 385.3  | 333.5  | 284.8  | 251.3  | 234.5  | 222.3  | 217.8  |
| 75°    | 255.8  | 283.2  | 295.4  | 306.1  | 300.0  | 260.4  | 229.9  | 202.5  | 187.3  | 176.6  | 173.6  |
| 77.5°  | 194.9  | 214.7  | 228.4  | 231.5  | 223.8  | 198.0  | 172.1  | 155.3  | 143.1  | 137.1  | 134.0  |
| 80°    | 138.6  | 150.8  | 158.4  | 162.9  | 155.3  | 144.7  | 126.4  | 114.2  | 103.5  | 95.9   | 94.4   |
| 82.5°  | 92.9   | 99.0   | 105.1  | 103.5  | 100.5  | 91.4   | 80.7   | 74.6   | 70.0   | 64.0   | 64.0   |
| 85°    | 53.3   | 54.8   | 57.9   | 59.4   | 57.9   | 51.8   | 45.7   | 42.6   | 39.6   | 35.0   | 35.0   |
| 87.5°  | 22.8   | 24.4   | 24.4   | 25.9   | 22.8   | 22.8   | 19.8   | 16.8   | 16.8   | 15.2   | 13.7   |
| 90°    | 14.1   | 12.4   | 11.5   | 10.3   | 8.0    | 5.7    | 3.3    | 1.0    | 3.3    | 5.7    | 8.0    |
| 92.5°  | 21.2   | 20.5   | 20.2   | 20.6   | 21.5   | 22.3   | 23.2   | 24.0   | 23.2   | 22.3   | 21.5   |
| 95°    | 33.0   | 31.5   | 30.7   | 34.2   | 41.3   | 48.4   | 55.4   | 62.5   | 55.4   | 48.4   | 41.3   |
| 97.5°  | 38.7   | 35.3   | 33.6   | 42.4   | 59.9   | 77.4   | 94.9   | 112.4  | 94.9   | 77.4   | 59.9   |
| 100°   | 43.9   | 40.2   | 38.4   | 53.0   | 82.3   | 111.6  | 140.8  | 170.1  | 140.8  | 111.6  | 82.3   |
| 102.5° | 173.2  | 212.1  | 231.5  | 231.7  | 232.2  | 232.6  | 233.1  | 233.5  | 233.1  | 232.6  | 232.2  |
| 105°   | 233.5  | 291.8  | 320.9  | 317.7  | 311.3  | 304.9  | 298.5  | 292.1  | 298.5  | 304.9  | 311.3  |
| 107.5° | 276.4  | 348.3  | 384.3  | 381.6  | 376.3  | 371.0  | 365.6  | 360.3  | 365.6  | 371.0  | 376.3  |
| 110°   | 353.2  | 414.9  | 445.8  | 443.6  | 439.1  | 434.6  | 430.1  | 425.6  | 430.1  | 434.6  | 439.1  |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 499.0  | 502.6  | 504.4  | 502.5  | 498.6  | 494.8  | 490.9  | 487.1  | 490.9  | 494.8  | 498.6  |
| 115°   | 576.8  | 571.5  | 568.8  | 567.0  | 563.4  | 559.7  | 556.1  | 552.5  | 556.1  | 559.7  | 563.4  |
| 117.5° | 633.8  | 630.2  | 628.4  | 626.3  | 622.0  | 617.7  | 613.4  | 609.1  | 613.4  | 617.7  | 622.0  |
| 120°   | 692.8  | 688.9  | 687.0  | 685.4  | 682.2  | 679.0  | 675.8  | 672.6  | 675.8  | 679.0  | 682.2  |
| 122.5° | 748.1  | 743.8  | 741.7  | 740.0  | 736.6  | 733.2  | 729.8  | 726.4  | 729.8  | 733.2  | 736.6  |
| 125°   | 799.7  | 795.6  | 793.6  | 792.2  | 789.4  | 786.7  | 783.9  | 781.1  | 783.9  | 786.7  | 789.4  |
| 127.5° | 849.3  | 846.1  | 844.5  | 843.0  | 840.0  | 837.1  | 834.1  | 831.1  | 834.1  | 837.1  | 840.0  |
| 130°   | 897.0  | 894.7  | 893.5  | 891.8  | 888.4  | 885.0  | 881.6  | 878.2  | 881.6  | 885.0  | 888.4  |
| 132.5° | 942.2  | 939.9  | 938.7  | 937.3  | 934.5  | 931.8  | 929.0  | 926.2  | 929.0  | 931.8  | 934.5  |
| 135°   | 984.8  | 982.9  | 981.9  | 980.2  | 976.8  | 973.4  | 970.0  | 966.6  | 970.0  | 973.4  | 976.8  |
| 137.5° | 1023.6 | 1021.5 | 1020.4 | 1019.1 | 1016.5 | 1014.0 | 1011.4 | 1008.8 | 1011.4 | 1014.0 | 1016.5 |
| 140°   | 1061.3 | 1059.0 | 1057.8 | 1056.9 | 1055.2 | 1053.5 | 1051.8 | 1050.1 | 1051.8 | 1053.5 | 1055.2 |
| 142.5° | 1095.6 | 1092.9 | 1091.5 | 1090.7 | 1089.2 | 1087.7 | 1086.2 | 1084.7 | 1086.2 | 1087.7 | 1089.2 |
| 145°   | 1125.7 | 1122.1 | 1120.3 | 1120.4 | 1120.6 | 1120.8 | 1121.0 | 1121.2 | 1121.0 | 1120.8 | 1120.6 |
| 147.5° | 1155.5 | 1151.9 | 1150.1 | 1150.4 | 1151.0 | 1151.7 | 1152.3 | 1152.9 | 1152.3 | 1151.7 | 1151.0 |
| 150°   | 1182.1 | 1178.7 | 1177.0 | 1177.7 | 1179.2 | 1180.7 | 1182.2 | 1183.7 | 1182.2 | 1180.7 | 1179.2 |
| 152.5° | 1206.7 | 1203.5 | 1201.9 | 1202.8 | 1204.5 | 1206.2 | 1207.9 | 1209.6 | 1207.9 | 1206.2 | 1204.5 |
| 155°   | 1229.8 | 1227.3 | 1226.0 | 1227.0 | 1228.9 | 1230.8 | 1232.7 | 1234.6 | 1232.7 | 1230.8 | 1228.9 |
| 157.5° | 1250.0 | 1248.1 | 1247.1 | 1248.0 | 1249.7 | 1251.4 | 1253.1 | 1254.8 | 1253.1 | 1251.4 | 1249.7 |
| 160°   | 1268.2 | 1266.9 | 1266.3 | 1266.9 | 1268.2 | 1269.5 | 1270.8 | 1272.1 | 1270.8 | 1269.5 | 1268.2 |
| 162.5° | 1283.3 | 1282.2 | 1281.7 | 1282.3 | 1283.6 | 1284.9 | 1286.2 | 1287.5 | 1286.2 | 1284.9 | 1283.6 |
| 165°   | 1296.1 | 1295.4 | 1295.1 | 1295.7 | 1297.0 | 1298.3 | 1299.6 | 1300.9 | 1299.6 | 1298.3 | 1297.0 |
| 167.5° | 1306.7 | 1306.0 | 1305.7 | 1306.3 | 1307.6 | 1308.9 | 1310.2 | 1311.5 | 1310.2 | 1308.9 | 1307.6 |
| 170°   | 1315.0 | 1314.6 | 1314.4 | 1315.0 | 1316.3 | 1317.6 | 1318.8 | 1320.1 | 1318.8 | 1317.6 | 1316.3 |
| 172.5° | 1320.7 | 1320.3 | 1320.1 | 1320.7 | 1322.0 | 1323.3 | 1324.6 | 1325.9 | 1324.6 | 1323.3 | 1322.0 |
| 175°   | 1324.6 | 1324.2 | 1324.0 | 1324.7 | 1326.2 | 1327.7 | 1329.2 | 1330.7 | 1329.2 | 1327.7 | 1326.2 |
| 177.5° | 1326.2 | 1326.0 | 1325.9 | 1326.6 | 1328.1 | 1329.6 | 1331.1 | 1332.6 | 1331.1 | 1329.6 | 1328.1 |
| 180°   | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 |

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**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 |
| 2.5°   | 1959.8 | 1967.4 | 1965.9 | 1950.7 | 1933.9 | 1920.2 | 1894.3 | 1897.4 | 1888.3 | 1889.8 | 1898.9 |
| 5°     | 1911.1 | 1911.1 | 1905.0 | 1883.7 | 1856.3 | 1841.0 | 1812.1 | 1804.5 | 1786.2 | 1784.7 | 1783.2 |
| 7.5°   | 1859.3 | 1851.7 | 1844.1 | 1813.6 | 1780.1 | 1755.8 | 1716.2 | 1707.0 | 1688.8 | 1676.6 | 1670.5 |
| 10°    | 1798.4 | 1787.7 | 1772.5 | 1737.5 | 1696.4 | 1665.9 | 1624.8 | 1612.6 | 1577.6 | 1562.4 | 1553.2 |
| 12.5°  | 1731.4 | 1725.3 | 1700.9 | 1672.0 | 1605.0 | 1571.5 | 1512.1 | 1524.3 | 1489.3 | 1458.8 | 1454.3 |
| 15°    | 1664.4 | 1641.6 | 1627.9 | 1580.6 | 1499.9 | 1484.7 | 1437.5 | 1413.1 | 1381.2 | 1356.8 | 1356.8 |
| 17.5°  | 1598.9 | 1563.9 | 1533.4 | 1483.2 | 1423.8 | 1381.2 | 1346.1 | 1334.0 | 1294.4 | 1270.0 | 1265.4 |
| 20°    | 1512.1 | 1472.5 | 1464.9 | 1393.3 | 1352.2 | 1305.0 | 1271.5 | 1241.1 | 1212.1 | 1201.5 | 1193.9 |
| 22.5°  | 1429.9 | 1384.2 | 1372.0 | 1311.1 | 1270.0 | 1222.8 | 1189.3 | 1168.0 | 1146.7 | 1139.0 | 1125.3 |
| 25°    | 1341.6 | 1314.2 | 1295.9 | 1230.4 | 1184.7 | 1140.6 | 1117.7 | 1102.5 | 1082.7 | 1081.2 | 1072.0 |
| 27.5°  | 1256.3 | 1230.4 | 1212.1 | 1149.7 | 1116.2 | 1075.1 | 1056.8 | 1040.1 | 1029.4 | 1024.8 | 1020.3 |
| 30°    | 1183.2 | 1154.3 | 1133.0 | 1087.3 | 1046.2 | 1012.7 | 997.4  | 986.8  | 980.7  | 973.1  | 971.5  |
| 32.5°  | 1102.5 | 1085.7 | 1056.8 | 1021.8 | 989.8  | 957.8  | 948.7  | 941.1  | 931.9  | 928.9  | 927.4  |
| 35°    | 1034.0 | 1011.1 | 992.9  | 953.3  | 939.6  | 912.1  | 901.5  | 895.4  | 883.2  | 880.2  | 877.1  |
| 37.5°  | 967.0  | 945.6  | 925.9  | 901.5  | 875.6  | 860.4  | 854.3  | 845.1  | 839.1  | 840.6  | 837.5  |
| 40°    | 900.0  | 883.2  | 868.0  | 842.1  | 826.9  | 819.3  | 807.1  | 797.9  | 794.9  | 796.4  | 794.9  |
| 42.5°  | 834.5  | 819.3  | 810.1  | 790.3  | 775.1  | 767.5  | 759.9  | 750.7  | 755.3  | 755.3  | 759.9  |
| 45°    | 775.1  | 761.4  | 755.3  | 740.1  | 730.9  | 718.8  | 711.1  | 709.6  | 715.7  | 714.2  | 714.2  |
| 47.5°  | 714.2  | 709.6  | 702.0  | 688.3  | 676.1  | 668.5  | 667.0  | 667.0  | 673.1  | 676.1  | 674.6  |
| 50°    | 667.0  | 657.8  | 648.7  | 638.0  | 628.9  | 625.9  | 621.3  | 624.3  | 630.4  | 630.4  | 633.5  |
| 52.5°  | 607.6  | 601.5  | 598.5  | 589.3  | 583.2  | 583.2  | 583.2  | 584.7  | 589.3  | 593.9  | 592.4  |
| 55°    | 555.8  | 551.2  | 548.2  | 543.6  | 536.0  | 537.5  | 536.0  | 539.1  | 543.6  | 548.2  | 551.2  |
| 57.5°  | 501.0  | 499.5  | 496.4  | 488.8  | 488.8  | 487.3  | 491.9  | 493.4  | 501.0  | 504.0  | 508.6  |
| 60°    | 452.3  | 447.7  | 447.7  | 441.6  | 441.6  | 441.6  | 446.2  | 450.7  | 456.8  | 458.4  | 461.4  |
| 62.5°  | 400.5  | 400.5  | 399.0  | 394.4  | 394.4  | 399.0  | 400.5  | 406.6  | 409.6  | 409.6  | 414.2  |
| 65°    | 351.8  | 350.2  | 348.7  | 350.2  | 351.8  | 351.8  | 356.3  | 359.4  | 362.4  | 363.9  | 365.5  |
| 67.5°  | 303.0  | 301.5  | 304.6  | 303.0  | 306.1  | 312.2  | 310.6  | 315.2  | 319.8  | 319.8  | 321.3  |
| 70°    | 257.4  | 260.4  | 258.9  | 261.9  | 260.4  | 263.4  | 268.0  | 269.5  | 269.5  | 271.1  | 275.6  |
| 72.5°  | 214.7  | 214.7  | 214.7  | 213.2  | 214.7  | 217.8  | 220.8  | 222.3  | 225.4  | 226.9  | 231.5  |
| 75°    | 173.6  | 173.6  | 170.6  | 173.6  | 173.6  | 176.6  | 179.7  | 179.7  | 179.7  | 182.7  | 187.3  |
| 77.5°  | 131.0  | 132.5  | 131.0  | 134.0  | 134.0  | 135.5  | 138.6  | 137.1  | 140.1  | 141.6  | 143.1  |
| 80°    | 95.9   | 94.4   | 94.4   | 94.4   | 95.9   | 95.9   | 99.0   | 100.5  | 100.5  | 105.1  | 102.0  |
| 82.5°  | 60.9   | 62.4   | 60.9   | 62.4   | 62.4   | 64.0   | 62.4   | 64.0   | 65.5   | 68.5   | 67.0   |
| 85°    | 35.0   | 33.5   | 33.5   | 35.0   | 33.5   | 33.5   | 35.0   | 33.5   | 35.0   | 33.5   | 35.0   |
| 87.5°  | 13.7   | 12.2   | 12.2   | 12.2   | 12.2   | 10.7   | 10.7   | 9.1    | 9.1    | 9.1    | 7.6    |
| 90°    | 10.3   | 11.5   | 12.4   | 14.1   | 15.8   | 17.5   | 19.2   | 20.3   | 21.3   | 22.4   | 23.5   |
| 92.5°  | 20.6   | 20.2   | 20.5   | 21.2   | 21.8   | 22.5   | 23.1   | 23.5   | 23.9   | 24.4   | 24.8   |
| 95°    | 34.2   | 30.7   | 31.5   | 33.0   | 34.5   | 36.0   | 37.5   | 38.6   | 39.6   | 40.7   | 41.8   |
| 97.5°  | 42.4   | 33.6   | 35.3   | 38.7   | 42.2   | 45.6   | 49.0   | 49.6   | 50.3   | 50.9   | 51.6   |
| 100°   | 53.0   | 38.4   | 40.2   | 43.9   | 47.5   | 51.2   | 54.8   | 56.5   | 58.2   | 59.9   | 61.6   |
| 102.5° | 231.7  | 231.5  | 212.1  | 173.2  | 134.4  | 95.5   | 56.7   | 59.1   | 61.4   | 63.8   | 66.1   |
| 105°   | 317.7  | 320.9  | 291.8  | 233.5  | 175.2  | 116.9  | 58.6   | 61.0   | 63.3   | 65.7   | 68.0   |
| 107.5° | 381.6  | 384.3  | 348.3  | 276.4  | 204.4  | 132.5  | 60.5   | 62.9   | 65.2   | 67.6   | 69.9   |
| 110°   | 443.6  | 445.8  | 414.9  | 353.2  | 291.5  | 229.8  | 168.1  | 146.8  | 125.4  | 104.1  | 82.8   |

TEST NUMBER: P1029279

CATALOG NUMBER: S122DIW-B1005D970UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 502.5  | 504.4  | 502.6  | 499.0  | 495.3  | 491.7  | 488.1  | 396.1  | 304.1  | 212.0  | 120.0  |
| 115°   | 567.0  | 568.8  | 571.5  | 576.8  | 582.1  | 587.5  | 592.8  | 494.0  | 395.1  | 296.3  | 197.4  |
| 117.5° | 626.3  | 628.4  | 630.2  | 633.8  | 637.5  | 641.1  | 644.7  | 614.2  | 583.6  | 553.1  | 522.6  |
| 120°   | 685.4  | 687.0  | 688.9  | 692.8  | 696.6  | 700.5  | 704.3  | 706.9  | 709.4  | 712.0  | 714.5  |
| 122.5° | 740.0  | 741.7  | 743.8  | 748.1  | 752.4  | 756.6  | 760.9  | 762.2  | 763.5  | 764.8  | 766.1  |
| 125°   | 792.2  | 793.6  | 795.6  | 799.7  | 803.8  | 807.8  | 811.9  | 813.4  | 814.9  | 816.4  | 817.9  |
| 127.5° | 843.0  | 844.5  | 846.1  | 849.3  | 852.5  | 855.7  | 858.9  | 861.1  | 863.2  | 865.4  | 867.5  |
| 130°   | 891.8  | 893.5  | 894.7  | 897.0  | 899.4  | 901.7  | 904.1  | 906.5  | 908.8  | 911.2  | 913.5  |
| 132.5° | 937.3  | 938.7  | 939.9  | 942.2  | 944.6  | 946.9  | 949.3  | 951.2  | 953.1  | 955.0  | 956.9  |
| 135°   | 980.2  | 981.9  | 982.9  | 984.8  | 986.7  | 988.7  | 990.6  | 992.7  | 994.9  | 997.0  | 999.1  |
| 137.5° | 1019.1 | 1020.4 | 1021.5 | 1023.6 | 1025.7 | 1027.9 | 1030.0 | 1032.1 | 1034.3 | 1036.4 | 1038.5 |
| 140°   | 1056.9 | 1057.8 | 1059.0 | 1061.3 | 1063.7 | 1066.0 | 1068.4 | 1070.3 | 1072.2 | 1074.1 | 1076.0 |
| 142.5° | 1090.7 | 1091.5 | 1092.9 | 1095.6 | 1098.4 | 1101.1 | 1103.9 | 1105.6 | 1107.3 | 1109.0 | 1110.7 |
| 145°   | 1120.4 | 1120.3 | 1122.1 | 1125.7 | 1129.4 | 1133.0 | 1136.6 | 1138.1 | 1139.6 | 1141.1 | 1142.6 |
| 147.5° | 1150.4 | 1150.1 | 1151.9 | 1155.5 | 1159.2 | 1162.8 | 1166.4 | 1167.5 | 1168.5 | 1169.6 | 1170.7 |
| 150°   | 1177.7 | 1177.0 | 1178.7 | 1182.1 | 1185.5 | 1188.9 | 1192.3 | 1193.6 | 1194.9 | 1196.2 | 1197.5 |
| 152.5° | 1202.8 | 1201.9 | 1203.5 | 1206.7 | 1210.0 | 1213.2 | 1216.4 | 1217.7 | 1218.9 | 1220.2 | 1221.5 |
| 155°   | 1227.0 | 1226.0 | 1227.3 | 1229.8 | 1232.4 | 1234.9 | 1237.5 | 1238.8 | 1240.1 | 1241.4 | 1242.7 |
| 157.5° | 1248.0 | 1247.1 | 1248.1 | 1250.0 | 1251.9 | 1253.8 | 1255.7 | 1257.2 | 1258.7 | 1260.2 | 1261.7 |
| 160°   | 1266.9 | 1266.3 | 1266.9 | 1268.2 | 1269.5 | 1270.8 | 1272.1 | 1273.4 | 1274.6 | 1275.9 | 1277.2 |
| 162.5° | 1282.3 | 1281.7 | 1282.2 | 1283.3 | 1284.4 | 1285.4 | 1286.5 | 1288.0 | 1289.5 | 1291.0 | 1292.5 |
| 165°   | 1295.7 | 1295.1 | 1295.4 | 1296.1 | 1296.7 | 1297.4 | 1298.0 | 1299.5 | 1301.0 | 1302.5 | 1304.0 |
| 167.5° | 1306.3 | 1305.7 | 1306.0 | 1306.7 | 1307.3 | 1308.0 | 1308.6 | 1310.1 | 1311.6 | 1313.1 | 1314.6 |
| 170°   | 1315.0 | 1314.4 | 1314.6 | 1315.0 | 1315.5 | 1315.9 | 1316.3 | 1317.8 | 1319.3 | 1320.8 | 1322.3 |
| 172.5° | 1320.7 | 1320.1 | 1320.3 | 1320.7 | 1321.2 | 1321.6 | 1322.0 | 1323.5 | 1325.0 | 1326.5 | 1328.0 |
| 175°   | 1324.7 | 1324.0 | 1324.2 | 1324.6 | 1325.1 | 1325.5 | 1325.9 | 1327.4 | 1328.9 | 1330.4 | 1331.9 |
| 177.5° | 1326.6 | 1325.9 | 1326.0 | 1326.2 | 1326.4 | 1326.6 | 1326.8 | 1328.3 | 1329.8 | 1331.3 | 1332.8 |
| 180°   | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 |

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**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 |
| 2.5°   | 1888.3 | 1892.8 | 1882.2 | 1879.1 | 1882.2 | 1871.5 | 1874.5 | 1877.6 | 1877.6 | 1882.2 | 1885.2 |
| 5°     | 1778.6 | 1772.5 | 1761.9 | 1758.8 | 1755.8 | 1760.3 | 1757.3 | 1761.9 | 1763.4 | 1774.0 | 1775.6 |
| 7.5°   | 1670.5 | 1661.4 | 1652.2 | 1643.1 | 1640.0 | 1632.4 | 1640.0 | 1640.0 | 1650.7 | 1647.7 | 1655.3 |
| 10°    | 1542.6 | 1541.1 | 1528.9 | 1524.3 | 1518.2 | 1506.0 | 1522.8 | 1518.2 | 1525.8 | 1539.5 | 1542.6 |
| 12.5°  | 1448.2 | 1431.4 | 1439.0 | 1417.7 | 1425.3 | 1413.1 | 1414.7 | 1414.7 | 1426.8 | 1428.4 | 1425.3 |
| 15°    | 1358.3 | 1344.6 | 1324.8 | 1315.7 | 1311.1 | 1305.0 | 1324.8 | 1326.3 | 1317.2 | 1338.5 | 1330.9 |
| 17.5°  | 1267.0 | 1267.0 | 1248.7 | 1244.1 | 1231.9 | 1238.0 | 1235.0 | 1236.5 | 1233.5 | 1248.7 | 1256.3 |
| 20°    | 1187.8 | 1180.2 | 1174.1 | 1175.6 | 1160.4 | 1157.3 | 1154.3 | 1157.3 | 1168.0 | 1178.6 | 1181.7 |
| 22.5°  | 1123.8 | 1119.2 | 1104.0 | 1107.1 | 1094.9 | 1099.4 | 1096.4 | 1104.0 | 1105.5 | 1105.5 | 1116.2 |
| 25°    | 1062.9 | 1056.8 | 1058.3 | 1052.2 | 1047.7 | 1047.7 | 1043.1 | 1047.7 | 1053.8 | 1056.8 | 1058.3 |
| 27.5°  | 1017.2 | 1012.7 | 1005.0 | 1000.5 | 1003.5 | 995.9  | 1002.0 | 1006.6 | 1006.6 | 1003.5 | 1006.6 |
| 30°    | 962.4  | 965.4  | 965.4  | 950.2  | 956.3  | 953.3  | 957.8  | 960.9  | 960.9  | 962.4  | 959.4  |
| 32.5°  | 925.9  | 916.7  | 915.2  | 913.7  | 913.7  | 907.6  | 907.6  | 912.1  | 913.7  | 915.2  | 919.8  |
| 35°    | 877.1  | 877.1  | 869.5  | 874.1  | 868.0  | 869.5  | 868.0  | 869.5  | 872.6  | 868.0  | 872.6  |
| 37.5°  | 833.0  | 834.5  | 831.4  | 834.5  | 836.0  | 833.0  | 829.9  | 836.0  | 833.0  | 833.0  | 829.9  |
| 40°    | 794.9  | 793.4  | 794.9  | 794.9  | 794.9  | 796.4  | 793.4  | 793.4  | 793.4  | 790.3  | 787.3  |
| 42.5°  | 762.9  | 753.8  | 756.8  | 758.3  | 753.8  | 753.8  | 755.3  | 753.8  | 758.3  | 749.2  | 749.2  |
| 45°    | 717.2  | 714.2  | 715.7  | 715.7  | 718.8  | 714.2  | 717.2  | 718.8  | 714.2  | 712.7  | 709.6  |
| 47.5°  | 676.1  | 679.2  | 676.1  | 679.2  | 679.2  | 682.2  | 676.1  | 677.6  | 679.2  | 673.1  | 668.5  |
| 50°    | 635.0  | 635.0  | 639.6  | 638.0  | 639.6  | 636.5  | 636.5  | 635.0  | 636.5  | 633.5  | 628.9  |
| 52.5°  | 596.9  | 592.4  | 600.0  | 598.5  | 596.9  | 595.4  | 593.9  | 595.4  | 592.4  | 589.3  | 589.3  |
| 55°    | 549.7  | 549.7  | 554.3  | 555.8  | 555.8  | 552.8  | 549.7  | 551.2  | 549.7  | 548.2  | 546.7  |
| 57.5°  | 511.7  | 505.6  | 508.6  | 510.1  | 510.1  | 505.6  | 508.6  | 505.6  | 505.6  | 507.1  | 502.5  |
| 60°    | 462.9  | 462.9  | 459.9  | 464.4  | 464.4  | 461.4  | 461.4  | 462.9  | 459.9  | 458.4  | 456.8  |
| 62.5°  | 411.2  | 412.7  | 417.2  | 418.8  | 420.3  | 417.2  | 414.2  | 415.7  | 415.7  | 411.2  | 412.7  |
| 65°    | 367.0  | 370.0  | 376.1  | 374.6  | 371.6  | 373.1  | 370.0  | 371.6  | 367.0  | 368.5  | 363.9  |
| 67.5°  | 324.4  | 322.8  | 324.4  | 324.4  | 327.4  | 325.9  | 322.8  | 322.8  | 321.3  | 325.9  | 321.3  |
| 70°    | 278.7  | 278.7  | 278.7  | 278.7  | 280.2  | 281.7  | 278.7  | 275.6  | 277.1  | 274.1  | 272.6  |
| 72.5°  | 231.5  | 233.0  | 231.5  | 234.5  | 229.9  | 233.0  | 233.0  | 231.5  | 229.9  | 229.9  | 229.9  |
| 75°    | 187.3  | 190.3  | 185.8  | 187.3  | 185.8  | 188.8  | 187.3  | 187.3  | 184.3  | 182.7  | 184.3  |
| 77.5°  | 143.1  | 144.7  | 141.6  | 143.1  | 141.6  | 143.1  | 143.1  | 141.6  | 141.6  | 141.6  | 141.6  |
| 80°    | 102.0  | 103.5  | 102.0  | 100.5  | 99.0   | 102.0  | 99.0   | 100.5  | 102.0  | 100.5  | 103.5  |
| 82.5°  | 65.5   | 65.5   | 64.0   | 65.5   | 62.4   | 62.4   | 64.0   | 64.0   | 62.4   | 65.5   | 62.4   |
| 85°    | 32.0   | 32.0   | 35.0   | 32.0   | 30.5   | 30.5   | 30.5   | 32.0   | 30.5   | 33.5   | 32.0   |
| 87.5°  | 7.6    | 6.1    | 7.6    | 7.6    | 6.1    | 6.1    | 7.6    | 6.1    | 7.6    | 9.1    | 6.1    |
| 90°    | 24.0   | 24.2   | 24.6   | 25.1   | 25.5   | 25.9   | 25.5   | 25.1   | 24.6   | 24.2   | 24.0   |
| 92.5°  | 25.0   | 25.1   | 25.3   | 25.5   | 25.7   | 25.9   | 25.7   | 25.5   | 25.3   | 25.1   | 25.0   |
| 95°    | 42.3   | 42.2   | 42.0   | 41.7   | 41.5   | 41.3   | 41.5   | 41.7   | 42.0   | 42.2   | 42.3   |
| 97.5°  | 51.9   | 52.0   | 52.2   | 52.4   | 52.6   | 52.8   | 52.6   | 52.4   | 52.2   | 52.0   | 51.9   |
| 100°   | 62.5   | 62.7   | 63.1   | 63.6   | 64.0   | 64.4   | 64.0   | 63.6   | 63.1   | 62.7   | 62.5   |
| 102.5° | 67.3   | 67.6   | 68.2   | 68.9   | 69.5   | 70.1   | 69.5   | 68.9   | 68.2   | 67.6   | 67.3   |
| 105°   | 69.2   | 69.6   | 70.5   | 71.3   | 72.2   | 73.0   | 72.2   | 71.3   | 70.5   | 69.6   | 69.2   |
| 107.5° | 71.1   | 71.5   | 72.4   | 73.2   | 74.1   | 74.9   | 74.1   | 73.2   | 72.4   | 71.5   | 71.1   |
| 110°   | 72.1   | 72.5   | 73.4   | 74.2   | 75.1   | 75.9   | 75.1   | 74.2   | 73.4   | 72.5   | 72.1   |

TEST NUMBER: P1029279

CATALOG NUMBER: S122DIW-B1005D970UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 74.0   | 74.3   | 75.0   | 75.6   | 76.3   | 76.9   | 76.3   | 75.6   | 75.0   | 74.3   | 74.0   |
| 115°   | 148.0  | 140.3  | 124.9  | 109.6  | 94.2   | 78.8   | 94.2   | 109.6  | 124.9  | 140.3  | 148.0  |
| 117.5° | 507.3  | 479.3  | 423.4  | 367.5  | 311.5  | 255.6  | 311.5  | 367.5  | 423.4  | 479.3  | 507.3  |
| 120°   | 715.8  | 701.4  | 672.6  | 643.7  | 614.9  | 586.1  | 614.9  | 643.7  | 672.6  | 701.4  | 715.8  |
| 122.5° | 766.7  | 766.8  | 767.0  | 767.3  | 767.5  | 767.7  | 767.5  | 767.3  | 767.0  | 766.8  | 766.7  |
| 125°   | 818.6  | 818.9  | 819.6  | 820.2  | 820.9  | 821.5  | 820.9  | 820.2  | 819.6  | 818.9  | 818.6  |
| 127.5° | 868.6  | 868.7  | 868.9  | 869.1  | 869.3  | 869.5  | 869.3  | 869.1  | 868.9  | 868.7  | 868.6  |
| 130°   | 914.7  | 914.6  | 914.4  | 914.1  | 913.9  | 913.7  | 913.9  | 914.1  | 914.4  | 914.6  | 914.7  |
| 132.5° | 957.9  | 957.8  | 957.6  | 957.3  | 957.1  | 956.9  | 957.1  | 957.3  | 957.6  | 957.8  | 957.9  |
| 135°   | 1000.2 | 1000.0 | 999.6  | 999.1  | 998.7  | 998.3  | 998.7  | 999.1  | 999.6  | 1000.0 | 1000.2 |
| 137.5° | 1039.6 | 1039.3 | 1038.6 | 1038.0 | 1037.3 | 1036.7 | 1037.3 | 1038.0 | 1038.6 | 1039.3 | 1039.6 |
| 140°   | 1077.0 | 1076.5 | 1075.4 | 1074.3 | 1073.3 | 1072.2 | 1073.3 | 1074.3 | 1075.4 | 1076.5 | 1077.0 |
| 142.5° | 1111.6 | 1111.1 | 1110.0 | 1108.9 | 1107.9 | 1106.8 | 1107.9 | 1108.9 | 1110.0 | 1111.1 | 1111.6 |
| 145°   | 1143.3 | 1142.8 | 1141.7 | 1140.6 | 1139.6 | 1138.5 | 1139.6 | 1140.6 | 1141.7 | 1142.8 | 1143.3 |
| 147.5° | 1171.2 | 1170.8 | 1169.9 | 1169.1 | 1168.2 | 1167.4 | 1168.2 | 1169.1 | 1169.9 | 1170.8 | 1171.2 |
| 150°   | 1198.1 | 1197.6 | 1196.5 | 1195.4 | 1194.4 | 1193.3 | 1194.4 | 1195.4 | 1196.5 | 1197.6 | 1198.1 |
| 152.5° | 1222.1 | 1221.4 | 1219.9 | 1218.4 | 1216.9 | 1215.4 | 1216.9 | 1218.4 | 1219.9 | 1221.4 | 1222.1 |
| 155°   | 1243.3 | 1242.4 | 1240.7 | 1239.0 | 1237.3 | 1235.6 | 1237.3 | 1239.0 | 1240.7 | 1242.4 | 1243.3 |
| 157.5° | 1262.5 | 1261.6 | 1259.9 | 1258.2 | 1256.5 | 1254.8 | 1256.5 | 1258.2 | 1259.9 | 1261.6 | 1262.5 |
| 160°   | 1277.8 | 1277.1 | 1275.6 | 1274.1 | 1272.6 | 1271.1 | 1272.6 | 1274.1 | 1275.6 | 1277.1 | 1277.8 |
| 162.5° | 1293.2 | 1292.2 | 1290.3 | 1288.4 | 1286.5 | 1284.6 | 1286.5 | 1288.4 | 1290.3 | 1292.2 | 1293.2 |
| 165°   | 1304.7 | 1304.0 | 1302.5 | 1301.0 | 1299.5 | 1298.0 | 1299.5 | 1301.0 | 1302.5 | 1304.0 | 1304.7 |
| 167.5° | 1315.3 | 1314.3 | 1312.4 | 1310.5 | 1308.6 | 1306.7 | 1308.6 | 1310.5 | 1312.4 | 1314.3 | 1315.3 |
| 170°   | 1323.0 | 1322.0 | 1320.1 | 1318.2 | 1316.3 | 1314.4 | 1316.3 | 1318.2 | 1320.1 | 1322.0 | 1323.0 |
| 172.5° | 1328.8 | 1327.8 | 1325.9 | 1324.0 | 1322.0 | 1320.1 | 1322.0 | 1324.0 | 1325.9 | 1327.8 | 1328.8 |
| 175°   | 1332.6 | 1331.5 | 1329.4 | 1327.3 | 1325.1 | 1323.0 | 1325.1 | 1327.3 | 1329.4 | 1331.5 | 1332.6 |
| 177.5° | 1333.6 | 1332.6 | 1330.7 | 1328.8 | 1326.8 | 1324.9 | 1326.8 | 1328.8 | 1330.7 | 1332.6 | 1333.6 |
| 180°   | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 |

TEST NUMBER: P1029279

CATALOG NUMBER: S122DIW-B1005D970UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 | 1981.1 |
| 2.5°   | 1880.6 | 1892.8 | 1888.3 | 1871.5 | 1891.3 | 1891.3 | 1905.0 | 1905.0 | 1921.8 | 1927.8 | 1937.0 |
| 5°     | 1774.0 | 1783.2 | 1790.8 | 1783.2 | 1796.9 | 1818.2 | 1830.4 | 1841.0 | 1863.9 | 1873.0 | 1886.7 |
| 7.5°   | 1659.8 | 1676.6 | 1684.2 | 1684.2 | 1707.0 | 1731.4 | 1755.8 | 1771.0 | 1803.0 | 1815.2 | 1828.9 |
| 10°    | 1548.7 | 1568.5 | 1583.7 | 1582.2 | 1620.2 | 1635.5 | 1665.9 | 1700.9 | 1732.9 | 1751.2 | 1771.0 |
| 12.5°  | 1431.4 | 1442.1 | 1463.4 | 1493.9 | 1503.0 | 1530.4 | 1565.4 | 1609.6 | 1667.4 | 1684.2 | 1713.1 |
| 15°    | 1334.0 | 1362.9 | 1379.6 | 1393.3 | 1414.7 | 1440.6 | 1478.6 | 1521.3 | 1579.1 | 1615.7 | 1646.1 |
| 17.5°  | 1251.7 | 1289.8 | 1300.5 | 1297.4 | 1324.8 | 1364.4 | 1408.6 | 1440.6 | 1492.3 | 1536.5 | 1565.4 |
| 20°    | 1184.7 | 1200.0 | 1218.2 | 1225.8 | 1247.2 | 1289.8 | 1332.4 | 1369.0 | 1411.6 | 1446.6 | 1480.1 |
| 22.5°  | 1117.7 | 1129.9 | 1145.1 | 1158.8 | 1175.6 | 1200.0 | 1241.1 | 1286.8 | 1327.9 | 1361.4 | 1399.4 |
| 25°    | 1062.9 | 1070.5 | 1084.2 | 1094.9 | 1113.2 | 1129.9 | 1158.8 | 1209.1 | 1257.8 | 1277.6 | 1311.1 |
| 27.5°  | 1009.6 | 1015.7 | 1024.8 | 1037.0 | 1046.2 | 1062.9 | 1088.8 | 1129.9 | 1180.2 | 1200.0 | 1245.6 |
| 30°    | 962.4  | 967.0  | 976.1  | 982.2  | 986.8  | 1006.6 | 1026.4 | 1058.3 | 1096.4 | 1123.8 | 1157.3 |
| 32.5°  | 918.2  | 922.8  | 931.9  | 933.5  | 939.6  | 950.2  | 968.5  | 997.4  | 1030.9 | 1053.8 | 1082.7 |
| 35°    | 869.5  | 872.6  | 881.7  | 884.7  | 889.3  | 898.4  | 912.1  | 933.5  | 963.9  | 980.7  | 1006.6 |
| 37.5°  | 831.4  | 829.9  | 836.0  | 840.6  | 846.7  | 851.2  | 855.8  | 877.1  | 900.0  | 915.2  | 935.0  |
| 40°    | 790.3  | 787.3  | 788.8  | 794.9  | 797.9  | 804.0  | 804.0  | 825.3  | 840.6  | 852.8  | 868.0  |
| 42.5°  | 749.2  | 747.7  | 744.6  | 747.7  | 750.7  | 752.3  | 753.8  | 769.0  | 784.2  | 794.9  | 811.6  |
| 45°    | 708.1  | 706.6  | 703.5  | 705.0  | 705.0  | 708.1  | 712.7  | 718.8  | 729.4  | 738.5  | 747.7  |
| 47.5°  | 670.0  | 667.0  | 662.4  | 660.9  | 663.9  | 663.9  | 663.9  | 670.0  | 680.7  | 683.7  | 692.9  |
| 50°    | 630.4  | 625.9  | 619.8  | 616.7  | 616.7  | 615.2  | 618.2  | 619.8  | 628.9  | 632.0  | 639.6  |
| 52.5°  | 587.8  | 584.7  | 578.7  | 572.6  | 574.1  | 571.0  | 572.6  | 574.1  | 577.1  | 581.7  | 586.3  |
| 55°    | 545.2  | 539.1  | 534.5  | 533.0  | 528.4  | 528.4  | 523.8  | 529.9  | 528.4  | 529.9  | 536.0  |
| 57.5°  | 504.0  | 498.0  | 490.3  | 487.3  | 482.7  | 481.2  | 478.2  | 476.6  | 478.2  | 482.7  | 487.3  |
| 60°    | 455.3  | 452.3  | 447.7  | 443.1  | 440.1  | 435.5  | 432.5  | 432.5  | 430.9  | 430.9  | 432.5  |
| 62.5°  | 408.1  | 406.6  | 400.5  | 399.0  | 395.9  | 392.9  | 388.3  | 385.3  | 385.3  | 388.3  | 389.8  |
| 65°    | 362.4  | 360.9  | 356.3  | 354.8  | 347.2  | 344.1  | 342.6  | 341.1  | 338.1  | 338.1  | 338.1  |
| 67.5°  | 319.8  | 315.2  | 315.2  | 307.6  | 301.5  | 298.5  | 295.4  | 293.9  | 293.9  | 293.9  | 295.4  |
| 70°    | 272.6  | 272.6  | 268.0  | 263.4  | 257.4  | 258.9  | 254.3  | 249.7  | 249.7  | 246.7  | 248.2  |
| 72.5°  | 226.9  | 225.4  | 220.8  | 219.3  | 214.7  | 210.1  | 207.1  | 210.1  | 205.6  | 204.1  | 205.6  |
| 75°    | 182.7  | 181.2  | 178.2  | 175.1  | 176.6  | 172.1  | 167.5  | 166.0  | 166.0  | 162.9  | 162.9  |
| 77.5°  | 140.1  | 143.1  | 137.1  | 135.5  | 132.5  | 129.4  | 127.9  | 126.4  | 126.4  | 126.4  | 129.4  |
| 80°    | 97.5   | 99.0   | 99.0   | 95.9   | 97.5   | 92.9   | 92.9   | 92.9   | 88.3   | 89.8   | 91.4   |
| 82.5°  | 62.4   | 62.4   | 60.9   | 62.4   | 60.9   | 60.9   | 59.4   | 59.4   | 57.9   | 57.9   | 59.4   |
| 85°    | 35.0   | 33.5   | 32.0   | 35.0   | 33.5   | 33.5   | 32.0   | 32.0   | 32.0   | 32.0   | 32.0   |
| 87.5°  | 7.6    | 9.1    | 9.1    | 9.1    | 9.1    | 10.7   | 10.7   | 10.7   | 12.2   | 12.2   | 12.2   |
| 90°    | 23.5   | 22.4   | 21.3   | 20.3   | 19.2   | 17.5   | 15.8   | 14.1   | 12.4   | 11.5   | 10.3   |
| 92.5°  | 24.8   | 24.4   | 23.9   | 23.5   | 23.1   | 22.5   | 21.8   | 21.2   | 20.5   | 20.2   | 20.6   |
| 95°    | 41.8   | 40.7   | 39.6   | 38.6   | 37.5   | 36.0   | 34.5   | 33.0   | 31.5   | 30.7   | 34.2   |
| 97.5°  | 51.6   | 50.9   | 50.3   | 49.6   | 49.0   | 45.6   | 42.2   | 38.7   | 35.3   | 33.6   | 42.4   |
| 100°   | 61.6   | 59.9   | 58.2   | 56.5   | 54.8   | 51.2   | 47.5   | 43.9   | 40.2   | 38.4   | 53.0   |
| 102.5° | 66.1   | 63.8   | 61.4   | 59.1   | 56.7   | 95.5   | 134.4  | 173.2  | 212.1  | 231.5  | 231.7  |
| 105°   | 68.0   | 65.7   | 63.3   | 61.0   | 58.6   | 116.9  | 175.2  | 233.5  | 291.8  | 320.9  | 317.7  |
| 107.5° | 69.9   | 67.6   | 65.2   | 62.9   | 60.5   | 132.5  | 204.4  | 276.4  | 348.3  | 384.3  | 381.6  |
| 110°   | 82.8   | 104.1  | 125.4  | 146.8  | 168.1  | 229.8  | 291.5  | 353.2  | 414.9  | 445.8  | 443.6  |

TEST NUMBER: P1029279

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**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 120.0  | 212.0  | 304.1  | 396.1  | 488.1  | 491.7  | 495.3  | 499.0  | 502.6  | 504.4  | 502.5  |
| 115°   | 197.4  | 296.3  | 395.1  | 494.0  | 592.8  | 587.5  | 582.1  | 576.8  | 571.5  | 568.8  | 567.0  |
| 117.5° | 522.6  | 553.1  | 583.6  | 614.2  | 644.7  | 641.1  | 637.5  | 633.8  | 630.2  | 628.4  | 626.3  |
| 120°   | 714.5  | 712.0  | 709.4  | 706.9  | 704.3  | 700.5  | 696.6  | 692.8  | 688.9  | 687.0  | 685.4  |
| 122.5° | 766.1  | 764.8  | 763.5  | 762.2  | 760.9  | 756.6  | 752.4  | 748.1  | 743.8  | 741.7  | 740.0  |
| 125°   | 817.9  | 816.4  | 814.9  | 813.4  | 811.9  | 807.8  | 803.8  | 799.7  | 795.6  | 793.6  | 792.2  |
| 127.5° | 867.5  | 865.4  | 863.2  | 861.1  | 858.9  | 855.7  | 852.5  | 849.3  | 846.1  | 844.5  | 843.0  |
| 130°   | 913.5  | 911.2  | 908.8  | 906.5  | 904.1  | 901.7  | 899.4  | 897.0  | 894.7  | 893.5  | 891.8  |
| 132.5° | 956.9  | 955.0  | 953.1  | 951.2  | 949.3  | 946.9  | 944.6  | 942.2  | 939.9  | 938.7  | 937.3  |
| 135°   | 999.1  | 997.0  | 994.9  | 992.7  | 990.6  | 988.7  | 986.7  | 984.8  | 982.9  | 981.9  | 980.2  |
| 137.5° | 1038.5 | 1036.4 | 1034.3 | 1032.1 | 1030.0 | 1027.9 | 1025.7 | 1023.6 | 1021.5 | 1020.4 | 1019.1 |
| 140°   | 1076.0 | 1074.1 | 1072.2 | 1070.3 | 1068.4 | 1066.0 | 1063.7 | 1061.3 | 1059.0 | 1057.8 | 1056.9 |
| 142.5° | 1110.7 | 1109.0 | 1107.3 | 1105.6 | 1103.9 | 1101.1 | 1098.4 | 1095.6 | 1092.9 | 1091.5 | 1090.7 |
| 145°   | 1142.6 | 1141.1 | 1139.6 | 1138.1 | 1136.6 | 1133.0 | 1129.4 | 1125.7 | 1122.1 | 1120.3 | 1120.4 |
| 147.5° | 1170.7 | 1169.6 | 1168.5 | 1167.5 | 1166.4 | 1162.8 | 1159.2 | 1155.5 | 1151.9 | 1150.1 | 1150.4 |
| 150°   | 1197.5 | 1196.2 | 1194.9 | 1193.6 | 1192.3 | 1188.9 | 1185.5 | 1182.1 | 1178.7 | 1177.0 | 1177.7 |
| 152.5° | 1221.5 | 1220.2 | 1218.9 | 1217.7 | 1216.4 | 1213.2 | 1210.0 | 1206.7 | 1203.5 | 1201.9 | 1202.8 |
| 155°   | 1242.7 | 1241.4 | 1240.1 | 1238.8 | 1237.5 | 1234.9 | 1232.4 | 1229.8 | 1227.3 | 1226.0 | 1227.0 |
| 157.5° | 1261.7 | 1260.2 | 1258.7 | 1257.2 | 1255.7 | 1253.8 | 1251.9 | 1250.0 | 1248.1 | 1247.1 | 1248.0 |
| 160°   | 1277.2 | 1275.9 | 1274.6 | 1273.4 | 1272.1 | 1270.8 | 1269.5 | 1268.2 | 1266.9 | 1266.3 | 1266.9 |
| 162.5° | 1292.5 | 1291.0 | 1289.5 | 1288.0 | 1286.5 | 1285.4 | 1284.4 | 1283.3 | 1282.2 | 1281.7 | 1282.3 |
| 165°   | 1304.0 | 1302.5 | 1301.0 | 1299.5 | 1298.0 | 1297.4 | 1296.7 | 1296.1 | 1295.4 | 1295.1 | 1295.7 |
| 167.5° | 1314.6 | 1313.1 | 1311.6 | 1310.1 | 1308.6 | 1308.0 | 1307.3 | 1306.7 | 1306.0 | 1305.7 | 1306.3 |
| 170°   | 1322.3 | 1320.8 | 1319.3 | 1317.8 | 1316.3 | 1315.9 | 1315.5 | 1315.0 | 1314.6 | 1314.4 | 1315.0 |
| 172.5° | 1328.0 | 1326.5 | 1325.0 | 1323.5 | 1322.0 | 1321.6 | 1321.2 | 1320.7 | 1320.3 | 1320.1 | 1320.7 |
| 175°   | 1331.9 | 1330.4 | 1328.9 | 1327.4 | 1325.9 | 1325.5 | 1325.1 | 1324.6 | 1324.2 | 1324.0 | 1324.7 |
| 177.5° | 1332.8 | 1331.3 | 1329.8 | 1328.3 | 1326.8 | 1326.6 | 1326.4 | 1326.2 | 1326.0 | 1325.9 | 1326.6 |
| 180°   | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 |

TEST NUMBER: P1029279

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**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1981.1 | 1981.1 | 1981.1 | 1981.1 |
| 2.5°   | 1944.6 | 1944.6 | 1967.4 | 1991.8 |
| 5°     | 1902.0 | 1912.6 | 1949.2 | 1982.7 |
| 7.5°   | 1860.8 | 1879.1 | 1924.8 | 1967.4 |
| 10°    | 1810.6 | 1835.0 | 1891.3 | 1941.5 |
| 12.5°  | 1761.9 | 1784.7 | 1850.2 | 1906.5 |
| 15°    | 1693.3 | 1722.3 | 1792.3 | 1862.4 |
| 17.5°  | 1624.8 | 1653.7 | 1739.0 | 1821.2 |
| 20°    | 1544.1 | 1582.2 | 1678.1 | 1787.7 |
| 22.5°  | 1469.5 | 1516.7 | 1623.3 | 1711.6 |
| 25°    | 1387.3 | 1460.3 | 1559.3 | 1673.5 |
| 27.5°  | 1314.2 | 1387.3 | 1487.8 | 1603.5 |
| 30°    | 1231.9 | 1306.5 | 1410.1 | 1516.7 |
| 32.5°  | 1152.7 | 1221.3 | 1321.8 | 1452.7 |
| 35°    | 1070.5 | 1136.0 | 1233.5 | 1365.9 |
| 37.5°  | 995.9  | 1059.9 | 1166.5 | 1288.3 |
| 40°    | 922.8  | 989.8  | 1081.2 | 1203.0 |
| 42.5°  | 854.3  | 913.7  | 995.9  | 1117.7 |
| 45°    | 791.8  | 834.5  | 910.6  | 1024.8 |
| 47.5°  | 726.4  | 764.4  | 834.5  | 948.7  |
| 50°    | 665.5  | 697.4  | 758.3  | 864.9  |
| 52.5°  | 606.1  | 633.5  | 689.8  | 775.1  |
| 55°    | 552.8  | 578.7  | 619.8  | 703.5  |
| 57.5°  | 498.0  | 517.7  | 557.3  | 624.3  |
| 60°    | 444.7  | 462.9  | 494.9  | 549.7  |
| 62.5°  | 391.4  | 406.6  | 437.0  | 481.2  |
| 65°    | 344.1  | 356.3  | 379.2  | 417.2  |
| 67.5°  | 298.5  | 306.1  | 324.4  | 354.8  |
| 70°    | 254.3  | 260.4  | 275.6  | 300.0  |
| 72.5°  | 207.1  | 213.2  | 229.9  | 246.7  |
| 75°    | 167.5  | 169.0  | 181.2  | 194.9  |
| 77.5°  | 131.0  | 129.4  | 138.6  | 149.2  |
| 80°    | 89.8   | 94.4   | 102.0  | 106.6  |
| 82.5°  | 60.9   | 62.4   | 65.5   | 68.5   |
| 85°    | 33.5   | 35.0   | 35.0   | 39.6   |
| 87.5°  | 13.7   | 15.2   | 15.2   | 16.8   |
| 90°    | 8.0    | 5.7    | 3.3    | 1.0    |
| 92.5°  | 21.5   | 22.3   | 23.2   | 24.0   |
| 95°    | 41.3   | 48.4   | 55.4   | 62.5   |
| 97.5°  | 59.9   | 77.4   | 94.9   | 112.4  |
| 100°   | 82.3   | 111.6  | 140.8  | 170.1  |
| 102.5° | 232.2  | 232.6  | 233.1  | 233.5  |
| 105°   | 311.3  | 304.9  | 298.5  | 292.1  |
| 107.5° | 376.3  | 371.0  | 365.6  | 360.3  |
| 110°   | 439.1  | 434.6  | 430.1  | 425.6  |

TEST NUMBER: P1029279

CATALOG NUMBER: S122DIW-B1005D970UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 112.5° | 498.6  | 494.8  | 490.9  | 487.1  |
| 115°   | 563.4  | 559.7  | 556.1  | 552.5  |
| 117.5° | 622.0  | 617.7  | 613.4  | 609.1  |
| 120°   | 682.2  | 679.0  | 675.8  | 672.6  |
| 122.5° | 736.6  | 733.2  | 729.8  | 726.4  |
| 125°   | 789.4  | 786.7  | 783.9  | 781.1  |
| 127.5° | 840.0  | 837.1  | 834.1  | 831.1  |
| 130°   | 888.4  | 885.0  | 881.6  | 878.2  |
| 132.5° | 934.5  | 931.8  | 929.0  | 926.2  |
| 135°   | 976.8  | 973.4  | 970.0  | 966.6  |
| 137.5° | 1016.5 | 1014.0 | 1011.4 | 1008.8 |
| 140°   | 1055.2 | 1053.5 | 1051.8 | 1050.1 |
| 142.5° | 1089.2 | 1087.7 | 1086.2 | 1084.7 |
| 145°   | 1120.6 | 1120.8 | 1121.0 | 1121.2 |
| 147.5° | 1151.0 | 1151.7 | 1152.3 | 1152.9 |
| 150°   | 1179.2 | 1180.7 | 1182.2 | 1183.7 |
| 152.5° | 1204.5 | 1206.2 | 1207.9 | 1209.6 |
| 155°   | 1228.9 | 1230.8 | 1232.7 | 1234.6 |
| 157.5° | 1249.7 | 1251.4 | 1253.1 | 1254.8 |
| 160°   | 1268.2 | 1269.5 | 1270.8 | 1272.1 |
| 162.5° | 1283.6 | 1284.9 | 1286.2 | 1287.5 |
| 165°   | 1297.0 | 1298.3 | 1299.6 | 1300.9 |
| 167.5° | 1307.6 | 1308.9 | 1310.2 | 1311.5 |
| 170°   | 1316.3 | 1317.6 | 1318.8 | 1320.1 |
| 172.5° | 1322.0 | 1323.3 | 1324.6 | 1325.9 |
| 175°   | 1326.2 | 1327.7 | 1329.2 | 1330.7 |
| 177.5° | 1328.1 | 1329.6 | 1331.1 | 1332.6 |
| 180°   | 1327.8 | 1327.8 | 1327.8 | 1327.8 |

(END OF REPORT)