

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: P1032879

Luminaire Tested: S124RDIW-B1020D770UB2750-4F0-XX-W2A-A1\_5000K

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1032879  
REPORT IS A COMBINATION OF REPORTS P1000001 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S124RDIW-B1020D770UB2750-4F0-XX-W2A-A1\_5000K  
Description: Define 4 Regressed Direct/Indirect Wall Mount with 5000K BioUP LEDs {m-DER=1.015}  
{m-EER=1.115}  
Light Source: -  
Ballast/Driver: -

**Summary**

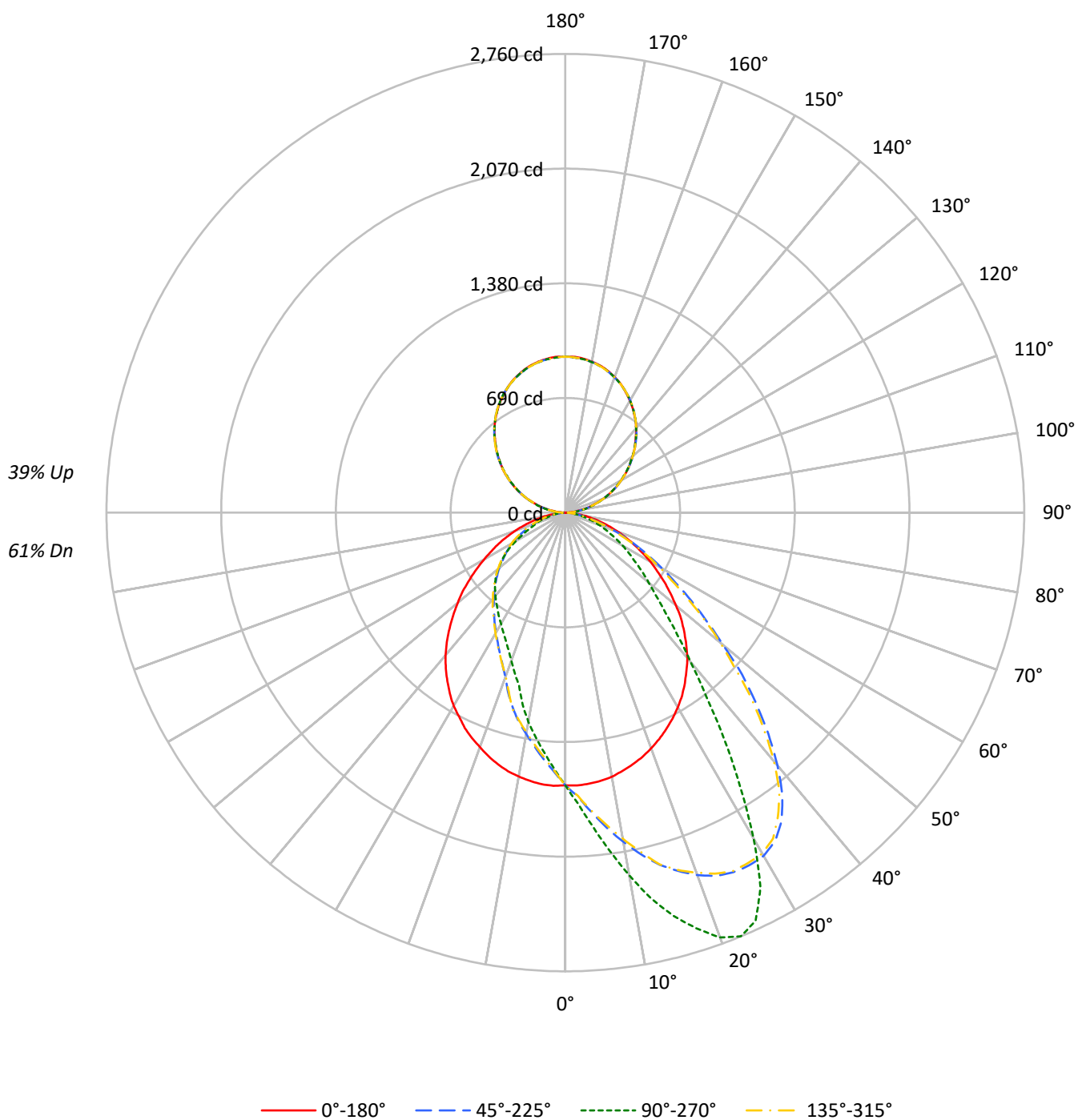
Lumens per Lamp: N/A  
Luminaire Lumens: 6752.0 lumens  
Efficiency: N/A  
Efficacy: 96.5 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 70  
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: P1032879

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### Luminous Intensity Polar Plot



TEST NUMBER: P1032879

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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 |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |
| 0   | 110 | 110 | 110 | 110 | 103 | 103 | 103 | 103 | 90 | 90 | 90 | 78 | 78 | 78 | 67 | 67 | 67 |
| 1   | 101 | 97  | 93  | 90  | 94  | 91  | 88  | 85  | 80 | 77 | 75 | 69 | 68 | 66 | 60 | 59 | 57 |
| 2   | 92  | 85  | 79  | 74  | 86  | 80  | 75  | 70  | 70 | 66 | 63 | 62 | 59 | 56 | 53 | 51 | 49 |
| 3   | 85  | 75  | 68  | 62  | 79  | 71  | 65  | 59  | 63 | 58 | 54 | 55 | 51 | 48 | 48 | 45 | 43 |
| 4   | 78  | 67  | 59  | 53  | 73  | 63  | 56  | 51  | 56 | 51 | 46 | 49 | 45 | 42 | 43 | 40 | 37 |
| 5   | 72  | 60  | 52  | 46  | 67  | 57  | 50  | 44  | 50 | 45 | 40 | 44 | 40 | 36 | 39 | 35 | 33 |
| 6   | 66  | 54  | 46  | 40  | 62  | 51  | 44  | 39  | 46 | 40 | 35 | 40 | 36 | 32 | 35 | 32 | 29 |
| 7   | 61  | 49  | 41  | 36  | 57  | 46  | 39  | 34  | 41 | 36 | 31 | 37 | 32 | 29 | 33 | 29 | 26 |
| 8   | 57  | 45  | 37  | 32  | 53  | 42  | 35  | 30  | 38 | 32 | 28 | 34 | 29 | 26 | 30 | 26 | 23 |
| 9   | 53  | 41  | 33  | 28  | 50  | 39  | 32  | 27  | 35 | 29 | 25 | 31 | 27 | 23 | 28 | 24 | 21 |
| 10  | 50  | 38  | 30  | 26  | 47  | 36  | 29  | 25  | 32 | 27 | 23 | 29 | 24 | 21 | 26 | 22 | 19 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 13374 | 13374 | 13374 | 13374 |
| 5°  | 13375 | 15113 | 13396 | 11551 |
| 10° | 13303 | 17421 | 13293 | 10045 |
| 15° | 13144 | 19606 | 13144 | 8410  |
| 20° | 12979 | 21258 | 12911 | 7406  |
| 25° | 12777 | 21349 | 12718 | 6689  |
| 30° | 12561 | 18153 | 12463 | 6196  |
| 35° | 12258 | 13697 | 12102 | 5828  |
| 40° | 11919 | 9926  | 11685 | 5541  |
| 45° | 11360 | 7544  | 11078 | 5287  |
| 50° | 10697 | 6097  | 10403 | 4915  |
| 55° | 9978  | 5049  | 9651  | 4420  |
| 60° | 9256  | 4269  | 8842  | 3675  |
| 65° | 8351  | 3478  | 8083  | 2921  |
| 70° | 7518  | 2819  | 7164  | 2373  |
| 75° | 6588  | 2032  | 6132  | 1739  |
| 80° | 5437  | 1347  | 4948  | 1278  |
| 85° | 3944  | 692   | 3267  | 692   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 16743 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 158.8  | 2.4       |
| 10°-20°   | 479.6  | 7.1       |
| 20°-30°   | 751.2  | 11.1      |
| 30°-40°   | 834.2  | 12.4      |
| 40°-50°   | 739.2  | 10.9      |
| 50°-60°   | 576.1  | 8.5       |
| 60°-70°   | 376.8  | 5.6       |
| 70°-80°   | 184.9  | 2.7       |
| 80°-90°   | 47.0   | 0.7       |
| 90°-100°  | 61.2   | 0.9       |
| 100°-110° | 183.2  | 2.7       |
| 110°-120° | 311.3  | 4.6       |
| 120°-130° | 410.5  | 6.1       |
| 130°-140° | 461.1  | 6.8       |
| 140°-150° | 453.2  | 6.7       |
| 150°-160° | 381.1  | 5.6       |
| 160°-170° | 253.6  | 3.8       |
| 170°-180° | 88.8   | 1.3       |
| 0°-30°    | 1389.6 | 20.6      |
| 0°-40°    | 2223.9 | 32.9      |
| 0°-60°    | 3539.2 | 52.4      |
| 0°-90°    | 4148.0 | 61.4      |
| 90°-120°  | 555.7  | 8.2       |
| 90°-150°  | 1880.4 | 27.8      |
| 90°-180°  | 2604.0 | 38.6      |
| 0°-180°   | 6752.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1640 | 1640 | 1640 | 1640 | 1640 |      |
| 5°   | 1638 | 1895 | 1640 | 1448 | 1638 | 156  |
| 15°  | 1567 | 2511 | 1567 | 1077 | 1567 | 442  |
| 25°  | 1437 | 2708 | 1430 | 848  | 1437 | 662  |
| 35°  | 1253 | 1668 | 1237 | 710  | 1253 | 783  |
| 45°  | 1010 | 852  | 985  | 597  | 1010 | 779  |
| 55°  | 727  | 509  | 703  | 445  | 727  | 650  |
| 65°  | 456  | 297  | 441  | 250  | 456  | 455  |
| 75°  | 229  | 137  | 213  | 118  | 229  | 243  |
| 85°  | 54   | 33   | 45   | 33   | 54   | 61   |
| 90°  | 2    | 22   | 2    | 22   | 2    | 7    |
| 95°  | 44   | 57   | 44   | 57   | 44   | 47   |
| 105° | 169  | 177  | 169  | 177  | 169  | 179  |
| 115° | 316  | 314  | 316  | 314  | 316  | 312  |
| 125° | 461  | 457  | 461  | 457  | 461  | 411  |
| 135° | 594  | 595  | 594  | 595  | 594  | 460  |
| 145° | 722  | 723  | 722  | 723  | 722  | 452  |
| 155° | 827  | 827  | 827  | 827  | 827  | 381  |
| 165° | 901  | 899  | 901  | 899  | 901  | 254  |
| 175° | 937  | 933  | 937  | 933  | 937  | 89   |
| 180° | 938  | 938  | 938  | 938  | 938  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 |
| 2.5°   | 1642.8 | 1657.3 | 1665.2 | 1671.8 | 1685.0 | 1690.3 | 1700.9 | 1703.5 | 1714.1 | 1712.8 | 1708.8 |
| 5°     | 1637.5 | 1662.6 | 1681.1 | 1700.9 | 1724.7 | 1737.9 | 1752.4 | 1773.6 | 1784.2 | 1798.7 | 1808.0 |
| 7.5°   | 1628.2 | 1662.6 | 1693.0 | 1723.4 | 1761.7 | 1782.8 | 1801.3 | 1834.4 | 1862.1 | 1885.9 | 1912.4 |
| 10°    | 1613.7 | 1657.3 | 1702.2 | 1743.2 | 1796.1 | 1821.2 | 1848.9 | 1897.8 | 1936.1 | 1969.2 | 2011.5 |
| 12.5°  | 1591.2 | 1652.0 | 1702.2 | 1757.7 | 1825.1 | 1859.5 | 1896.5 | 1954.6 | 1999.6 | 2053.8 | 2106.6 |
| 15°    | 1567.4 | 1634.8 | 1700.9 | 1773.6 | 1850.2 | 1889.9 | 1926.9 | 2004.9 | 2073.6 | 2135.7 | 2193.9 |
| 17.5°  | 1541.0 | 1615.0 | 1687.7 | 1768.3 | 1860.8 | 1909.7 | 1953.3 | 2047.2 | 2122.5 | 2203.1 | 2261.3 |
| 20°    | 1509.3 | 1589.9 | 1673.1 | 1763.0 | 1867.4 | 1921.6 | 1970.5 | 2077.6 | 2160.8 | 2248.0 | 2320.7 |
| 22.5°  | 1474.9 | 1562.1 | 1653.3 | 1751.1 | 1859.5 | 1919.0 | 1975.8 | 2090.8 | 2187.3 | 2267.9 | 2365.7 |
| 25°    | 1436.6 | 1529.1 | 1622.9 | 1726.0 | 1847.6 | 1912.4 | 1970.5 | 2084.2 | 2187.3 | 2293.0 | 2388.1 |
| 27.5°  | 1396.9 | 1492.1 | 1589.9 | 1698.3 | 1822.5 | 1885.9 | 1952.0 | 2061.7 | 2182.0 | 2296.9 | 2393.4 |
| 30°    | 1353.3 | 1445.8 | 1548.9 | 1652.0 | 1784.2 | 1847.6 | 1915.0 | 2033.9 | 2164.8 | 2279.8 | 2384.2 |
| 32.5°  | 1305.7 | 1400.9 | 1498.7 | 1605.7 | 1735.3 | 1804.0 | 1866.1 | 2000.9 | 2134.4 | 2248.0 | 2345.8 |
| 35°    | 1252.9 | 1342.7 | 1435.3 | 1545.0 | 1673.1 | 1735.3 | 1809.3 | 1949.4 | 2084.2 | 2204.4 | 2267.9 |
| 37.5°  | 1196.0 | 1282.0 | 1367.9 | 1476.2 | 1599.1 | 1674.5 | 1747.2 | 1888.6 | 2031.3 | 2111.9 | 2145.0 |
| 40°    | 1143.2 | 1218.5 | 1293.8 | 1398.3 | 1522.5 | 1600.5 | 1674.5 | 1821.2 | 1946.7 | 2008.8 | 1983.7 |
| 42.5°  | 1075.8 | 1153.8 | 1221.2 | 1317.6 | 1443.2 | 1515.9 | 1591.2 | 1743.2 | 1845.0 | 1870.1 | 1808.0 |
| 45°    | 1009.7 | 1074.5 | 1139.2 | 1233.1 | 1365.2 | 1427.3 | 1507.9 | 1649.4 | 1733.9 | 1711.5 | 1620.3 |
| 47.5°  | 944.9  | 997.8  | 1058.6 | 1149.8 | 1268.7 | 1342.7 | 1418.1 | 1541.0 | 1600.5 | 1568.7 | 1441.9 |
| 50°    | 868.3  | 921.2  | 984.6  | 1063.9 | 1178.9 | 1250.2 | 1309.7 | 1423.4 | 1468.3 | 1390.3 | 1237.0 |
| 52.5°  | 795.6  | 841.9  | 896.0  | 970.1  | 1079.7 | 1144.5 | 1209.3 | 1307.1 | 1321.6 | 1231.7 | 1070.5 |
| 55°    | 726.9  | 763.9  | 820.7  | 880.2  | 980.6  | 1049.4 | 1094.3 | 1177.5 | 1173.6 | 1061.2 | 922.5  |
| 57.5°  | 655.5  | 689.9  | 728.2  | 790.3  | 885.5  | 937.0  | 985.9  | 1058.6 | 1020.3 | 925.1  | 787.7  |
| 60°    | 592.1  | 611.9  | 650.2  | 709.7  | 790.3  | 835.3  | 873.6  | 913.2  | 880.2  | 777.1  | 671.4  |
| 62.5°  | 522.0  | 544.5  | 572.3  | 619.8  | 691.2  | 733.5  | 761.2  | 778.4  | 744.1  | 664.8  | 568.3  |
| 65°    | 456.0  | 475.8  | 504.9  | 547.1  | 601.3  | 633.0  | 647.6  | 659.5  | 641.0  | 551.1  | 474.5  |
| 67.5°  | 396.5  | 409.7  | 436.1  | 463.9  | 522.0  | 530.0  | 549.8  | 555.1  | 518.1  | 449.3  | 388.6  |
| 70°    | 337.0  | 350.2  | 362.1  | 395.2  | 421.6  | 436.1  | 440.1  | 440.1  | 403.1  | 358.2  | 307.9  |
| 72.5°  | 281.5  | 289.4  | 301.3  | 323.8  | 338.3  | 348.9  | 354.2  | 347.6  | 313.2  | 276.2  | 239.2  |
| 75°    | 228.6  | 232.6  | 243.2  | 257.7  | 269.6  | 265.6  | 264.3  | 256.4  | 231.3  | 204.8  | 183.7  |
| 77.5°  | 175.8  | 178.4  | 190.3  | 194.3  | 194.3  | 198.2  | 193.0  | 185.0  | 163.9  | 144.1  | 134.8  |
| 80°    | 132.2  | 136.1  | 137.4  | 140.1  | 137.4  | 137.4  | 133.5  | 120.3  | 109.7  | 100.4  | 93.8   |
| 82.5°  | 91.2   | 93.8   | 95.2   | 91.2   | 93.8   | 89.9   | 83.3   | 74.0   | 67.4   | 66.1   | 63.4   |
| 85°    | 54.2   | 55.5   | 54.2   | 54.2   | 50.2   | 48.9   | 43.6   | 42.3   | 39.6   | 39.6   | 38.3   |
| 87.5°  | 26.4   | 25.1   | 22.5   | 19.8   | 19.8   | 18.5   | 19.8   | 17.2   | 19.8   | 18.5   | 17.2   |
| 90°    | 2.2    | 4.0    | 5.8    | 7.5    | 9.3    | 10.2   | 10.8   | 12.1   | 13.4   | 14.7   | 16.0   |
| 92.5°  | 18.9   | 21.0   | 23.1   | 25.2   | 27.3   | 28.3   | 28.7   | 29.5   | 30.3   | 31.1   | 31.9   |
| 95°    | 43.5   | 45.0   | 46.4   | 47.9   | 49.4   | 50.1   | 50.7   | 51.8   | 52.9   | 54.1   | 55.2   |
| 97.5°  | 69.7   | 71.0   | 72.3   | 73.6   | 74.9   | 75.5   | 76.1   | 77.4   | 78.7   | 80.0   | 81.3   |
| 100°   | 101.6  | 102.2  | 102.9  | 103.5  | 104.2  | 104.5  | 105.2  | 106.7  | 108.2  | 109.6  | 111.1  |
| 102.5° | 135.0  | 135.2  | 135.3  | 135.5  | 135.6  | 135.7  | 136.3  | 137.6  | 138.9  | 140.2  | 141.5  |
| 105°   | 169.1  | 169.3  | 169.4  | 169.6  | 169.7  | 169.8  | 170.1  | 170.8  | 171.4  | 172.1  | 172.7  |
| 107.5° | 204.7  | 204.9  | 205.0  | 205.2  | 205.3  | 205.4  | 205.5  | 205.6  | 205.8  | 205.9  | 206.1  |
| 110°   | 241.0  | 241.3  | 241.6  | 241.9  | 242.2  | 242.4  | 242.3  | 242.2  | 242.0  | 241.9  | 241.7  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 278.7 | 278.7 | 278.7 | 278.7 | 278.7 | 278.7 | 278.5 | 278.2 | 277.9 | 277.6 | 277.3 |
| 115°   | 316.5 | 316.5 | 316.5 | 316.5 | 316.5 | 316.5 | 316.3 | 316.0 | 315.7 | 315.3 | 315.0 |
| 117.5° | 352.0 | 352.0 | 352.0 | 352.0 | 352.0 | 352.0 | 351.9 | 351.8 | 351.6 | 351.5 | 351.3 |
| 120°   | 387.6 | 388.2 | 388.9 | 389.5 | 390.2 | 390.5 | 390.3 | 389.8 | 389.3 | 388.8 | 388.3 |
| 122.5° | 424.6 | 424.8 | 424.9 | 425.1 | 425.2 | 425.3 | 425.2 | 425.1 | 424.9 | 424.8 | 424.6 |
| 125°   | 460.9 | 460.9 | 460.9 | 460.9 | 460.9 | 460.9 | 460.8 | 460.7 | 460.5 | 460.4 | 460.2 |
| 127.5° | 493.6 | 494.1 | 494.5 | 495.0 | 495.5 | 495.7 | 495.5 | 495.2 | 494.9 | 494.6 | 494.3 |
| 130°   | 528.4 | 528.9 | 529.4 | 529.9 | 530.4 | 530.6 | 530.6 | 530.6 | 530.6 | 530.6 | 530.6 |
| 132.5° | 564.0 | 564.3 | 564.6 | 564.9 | 565.2 | 565.4 | 565.3 | 565.2 | 565.0 | 564.9 | 564.7 |
| 135°   | 594.5 | 595.5 | 596.4 | 597.4 | 598.3 | 598.8 | 598.8 | 598.8 | 598.8 | 598.8 | 598.8 |
| 137.5° | 628.6 | 629.1 | 629.5 | 630.0 | 630.5 | 630.7 | 630.9 | 631.2 | 631.5 | 631.9 | 632.2 |
| 140°   | 662.7 | 663.0 | 663.3 | 663.6 | 663.9 | 664.1 | 664.1 | 664.1 | 664.1 | 664.1 | 664.1 |
| 142.5° | 693.9 | 694.2 | 694.5 | 694.8 | 695.1 | 695.3 | 695.2 | 695.1 | 694.9 | 694.8 | 694.6 |
| 145°   | 722.2 | 722.8 | 723.5 | 724.1 | 724.8 | 725.1 | 725.2 | 725.3 | 725.5 | 725.6 | 725.8 |
| 147.5° | 751.2 | 752.0 | 752.8 | 753.7 | 754.5 | 754.9 | 754.8 | 754.6 | 754.5 | 754.3 | 754.1 |
| 150°   | 777.4 | 778.0 | 778.7 | 779.3 | 780.0 | 780.3 | 780.3 | 780.3 | 780.3 | 780.3 | 780.3 |
| 152.5° | 802.0 | 802.3 | 802.7 | 803.0 | 803.3 | 803.5 | 803.6 | 803.7 | 803.9 | 804.0 | 804.2 |
| 155°   | 827.4 | 827.4 | 827.4 | 827.4 | 827.4 | 827.4 | 827.3 | 827.2 | 827.0 | 826.9 | 826.7 |
| 157.5° | 849.2 | 848.9 | 848.6 | 848.3 | 848.0 | 847.8 | 847.8 | 847.8 | 847.8 | 847.8 | 847.8 |
| 160°   | 868.1 | 867.9 | 867.8 | 867.6 | 867.5 | 867.4 | 867.3 | 867.1 | 867.0 | 866.8 | 866.6 |
| 162.5° | 885.5 | 885.0 | 884.5 | 884.0 | 883.5 | 883.3 | 883.2 | 883.1 | 882.9 | 882.8 | 882.6 |
| 165°   | 900.8 | 900.3 | 899.8 | 899.3 | 898.8 | 898.6 | 898.4 | 898.1 | 897.8 | 897.4 | 897.1 |
| 167.5° | 913.1 | 912.5 | 911.8 | 911.2 | 910.5 | 910.2 | 910.2 | 910.2 | 910.2 | 910.2 | 910.2 |
| 170°   | 923.3 | 922.5 | 921.7 | 920.8 | 920.0 | 919.6 | 919.7 | 919.9 | 920.0 | 920.2 | 920.4 |
| 172.5° | 930.5 | 929.9 | 929.2 | 928.6 | 927.9 | 927.6 | 927.6 | 927.6 | 927.6 | 927.6 | 927.6 |
| 175°   | 937.0 | 936.2 | 935.4 | 934.6 | 933.8 | 933.4 | 933.3 | 933.2 | 933.0 | 932.9 | 932.7 |
| 177.5° | 940.0 | 939.2 | 938.4 | 937.5 | 936.7 | 936.3 | 936.3 | 936.3 | 936.3 | 936.3 | 936.3 |
| 180°   | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 |
| 2.5°   | 1719.4 | 1733.9 | 1735.3 | 1748.5 | 1744.5 | 1737.9 | 1749.8 | 1741.9 | 1757.7 | 1752.4 | 1759.1 |
| 5°     | 1819.8 | 1839.7 | 1856.9 | 1867.4 | 1885.9 | 1882.0 | 1901.8 | 1895.2 | 1909.7 | 1895.2 | 1913.7 |
| 7.5°   | 1937.5 | 1970.5 | 1987.7 | 2015.4 | 2023.4 | 2024.7 | 2048.5 | 2053.8 | 2063.0 | 2053.8 | 2064.3 |
| 10°    | 2052.4 | 2092.1 | 2131.7 | 2154.2 | 2168.7 | 2188.6 | 2209.7 | 2219.0 | 2225.6 | 2216.3 | 2222.9 |
| 12.5°  | 2156.9 | 2219.0 | 2262.6 | 2307.5 | 2318.1 | 2335.3 | 2357.7 | 2355.1 | 2381.5 | 2376.2 | 2388.1 |
| 15°    | 2253.3 | 2322.1 | 2374.9 | 2410.6 | 2439.7 | 2454.2 | 2496.5 | 2499.1 | 2497.8 | 2511.0 | 2503.1 |
| 17.5°  | 2339.2 | 2397.4 | 2472.7 | 2519.0 | 2554.7 | 2554.7 | 2578.4 | 2627.3 | 2623.4 | 2622.1 | 2630.0 |
| 20°    | 2409.3 | 2475.4 | 2545.4 | 2623.4 | 2652.5 | 2657.7 | 2690.8 | 2715.9 | 2719.9 | 2719.9 | 2719.9 |
| 22.5°  | 2462.1 | 2540.1 | 2615.4 | 2671.0 | 2693.4 | 2711.9 | 2741.0 | 2756.9 | 2762.1 | 2759.5 | 2762.1 |
| 25°    | 2488.6 | 2562.6 | 2639.2 | 2689.5 | 2702.7 | 2713.2 | 2715.9 | 2725.1 | 2723.8 | 2708.0 | 2717.2 |
| 27.5°  | 2493.9 | 2565.2 | 2615.4 | 2628.7 | 2622.1 | 2615.4 | 2573.2 | 2577.1 | 2565.2 | 2541.4 | 2550.7 |
| 30°    | 2470.1 | 2508.4 | 2507.1 | 2466.1 | 2454.2 | 2426.5 | 2388.1 | 2331.3 | 2285.0 | 2265.2 | 2271.8 |
| 32.5°  | 2384.2 | 2384.2 | 2336.6 | 2244.1 | 2203.1 | 2152.9 | 2084.2 | 2032.6 | 1971.8 | 1958.6 | 1983.7 |
| 35°    | 2265.2 | 2197.8 | 2110.6 | 1989.0 | 1926.9 | 1889.9 | 1770.9 | 1733.9 | 1682.4 | 1667.9 | 1679.8 |
| 37.5°  | 2080.2 | 1967.9 | 1841.0 | 1727.3 | 1674.5 | 1608.4 | 1504.0 | 1451.1 | 1414.1 | 1389.0 | 1400.9 |
| 40°    | 1872.7 | 1736.6 | 1604.4 | 1464.3 | 1406.2 | 1352.0 | 1274.0 | 1226.4 | 1167.0 | 1169.6 | 1173.6 |
| 42.5°  | 1674.5 | 1514.6 | 1366.5 | 1237.0 | 1181.5 | 1136.6 | 1082.4 | 1024.2 | 1003.1 | 996.5  | 989.9  |
| 45°    | 1464.3 | 1293.8 | 1155.1 | 1058.6 | 1008.4 | 966.1  | 915.9  | 882.8  | 857.7  | 852.4  | 859.0  |
| 47.5°  | 1266.1 | 1122.0 | 989.9  | 900.0  | 859.0  | 837.9  | 798.2  | 767.9  | 752.0  | 738.8  | 746.7  |
| 50°    | 1086.4 | 951.6  | 845.8  | 770.5  | 741.4  | 726.9  | 689.9  | 674.0  | 658.2  | 654.2  | 652.9  |
| 52.5°  | 938.3  | 823.4  | 732.2  | 671.4  | 648.9  | 641.0  | 613.2  | 590.8  | 577.5  | 581.5  | 584.1  |
| 55°    | 803.5  | 705.7  | 634.4  | 585.5  | 567.0  | 557.7  | 537.9  | 522.0  | 512.8  | 508.8  | 511.5  |
| 57.5°  | 684.6  | 600.0  | 548.5  | 508.8  | 494.3  | 490.3  | 469.2  | 463.9  | 457.3  | 453.3  | 453.3  |
| 60°    | 576.2  | 516.7  | 469.2  | 446.7  | 430.8  | 426.9  | 411.0  | 404.4  | 403.1  | 399.1  | 396.5  |
| 62.5°  | 485.0  | 436.1  | 403.1  | 379.3  | 372.7  | 371.4  | 360.8  | 352.9  | 348.9  | 346.3  | 346.3  |
| 65°    | 405.7  | 370.0  | 342.3  | 325.1  | 319.8  | 317.2  | 305.3  | 302.6  | 300.0  | 297.4  | 296.0  |
| 67.5°  | 338.3  | 306.6  | 286.8  | 274.9  | 268.3  | 269.6  | 263.0  | 257.7  | 257.7  | 256.4  | 255.1  |
| 70°    | 273.6  | 253.7  | 236.6  | 230.0  | 227.3  | 224.7  | 222.0  | 218.1  | 216.7  | 216.7  | 216.7  |
| 72.5°  | 215.4  | 202.2  | 193.0  | 189.0  | 186.3  | 183.7  | 181.1  | 181.1  | 181.1  | 179.7  | 179.7  |
| 75°    | 165.2  | 159.9  | 153.3  | 149.3  | 149.3  | 152.0  | 148.0  | 144.1  | 140.1  | 137.4  | 138.8  |
| 77.5°  | 124.2  | 121.6  | 117.6  | 111.0  | 112.3  | 109.7  | 109.7  | 107.0  | 108.4  | 108.4  | 105.7  |
| 80°    | 91.2   | 87.2   | 85.9   | 81.9   | 83.3   | 81.9   | 80.6   | 80.6   | 78.0   | 78.0   | 78.0   |
| 82.5°  | 63.4   | 59.5   | 59.5   | 58.2   | 56.8   | 56.8   | 55.5   | 55.5   | 56.8   | 54.2   | 54.2   |
| 85°    | 38.3   | 37.0   | 37.0   | 34.4   | 34.4   | 34.4   | 34.4   | 35.7   | 34.4   | 33.0   | 33.0   |
| 87.5°  | 17.2   | 18.5   | 17.2   | 15.9   | 15.9   | 15.9   | 14.5   | 14.5   | 13.2   | 14.5   | 14.5   |
| 90°    | 17.0   | 17.9   | 18.9   | 19.8   | 20.3   | 20.5   | 20.8   | 21.1   | 21.5   | 21.8   | 21.5   |
| 92.5°  | 32.4   | 32.9   | 33.4   | 33.9   | 34.1   | 34.2   | 34.3   | 34.5   | 34.6   | 34.8   | 34.6   |
| 95°    | 55.7   | 56.1   | 56.6   | 57.1   | 57.3   | 57.3   | 57.3   | 57.3   | 57.3   | 57.3   | 57.3   |
| 97.5°  | 81.9   | 82.6   | 83.2   | 83.9   | 84.2   | 84.2   | 84.2   | 84.2   | 84.2   | 84.2   | 84.2   |
| 100°   | 111.4  | 111.7  | 112.0  | 112.3  | 112.5  | 112.5  | 112.5  | 112.5  | 112.5  | 112.5  | 112.5  |
| 102.5° | 142.0  | 142.5  | 143.0  | 143.5  | 143.7  | 143.8  | 143.9  | 144.1  | 144.2  | 144.4  | 144.2  |
| 105°   | 173.2  | 173.7  | 174.2  | 174.7  | 174.9  | 175.1  | 175.6  | 176.1  | 176.6  | 177.1  | 176.6  |
| 107.5° | 206.7  | 207.4  | 208.0  | 208.7  | 209.0  | 208.9  | 208.8  | 208.6  | 208.5  | 208.3  | 208.5  |
| 110°   | 241.4  | 241.1  | 240.8  | 240.5  | 240.3  | 240.5  | 241.0  | 241.5  | 241.9  | 242.4  | 241.9  |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 277.3 | 277.3 | 277.3 | 277.3 | 277.3 | 277.3 | 277.3 | 277.3 | 277.3 | 277.3 | 277.3 |
| 115°   | 314.8 | 314.7 | 314.5 | 314.4 | 314.3 | 314.2 | 314.1 | 313.9 | 313.8 | 313.6 | 313.8 |
| 117.5° | 350.8 | 350.3 | 349.8 | 349.3 | 349.1 | 348.9 | 348.4 | 347.9 | 347.4 | 346.9 | 347.4 |
| 120°   | 387.5 | 386.7 | 385.9 | 385.1 | 384.7 | 384.9 | 385.2 | 385.5 | 385.8 | 386.1 | 385.8 |
| 122.5° | 424.1 | 423.6 | 423.1 | 422.6 | 422.4 | 422.0 | 421.2 | 420.4 | 419.6 | 418.8 | 419.6 |
| 125°   | 459.9 | 459.5 | 459.2 | 458.9 | 458.7 | 458.5 | 458.2 | 457.9 | 457.6 | 457.3 | 457.6 |
| 127.5° | 494.0 | 493.6 | 493.3 | 493.0 | 492.8 | 492.7 | 492.6 | 492.4 | 492.3 | 492.1 | 492.3 |
| 130°   | 530.3 | 529.9 | 529.6 | 529.3 | 529.1 | 528.8 | 528.1 | 527.5 | 526.8 | 526.2 | 526.8 |
| 132.5° | 564.4 | 564.0 | 563.7 | 563.4 | 563.2 | 563.1 | 563.0 | 562.8 | 562.7 | 562.5 | 562.7 |
| 135°   | 598.5 | 598.2 | 597.9 | 597.6 | 597.4 | 597.2 | 596.7 | 596.2 | 595.7 | 595.2 | 595.7 |
| 137.5° | 631.7 | 631.2 | 630.7 | 630.2 | 630.0 | 630.1 | 630.2 | 630.4 | 630.5 | 630.7 | 630.5 |
| 140°   | 663.9 | 663.8 | 663.6 | 663.5 | 663.4 | 663.3 | 663.2 | 663.0 | 662.9 | 662.7 | 662.9 |
| 142.5° | 694.6 | 694.6 | 694.6 | 694.6 | 694.6 | 694.6 | 694.6 | 694.6 | 694.6 | 694.6 | 694.6 |
| 145°   | 725.6 | 725.5 | 725.3 | 725.2 | 725.1 | 724.9 | 724.4 | 723.9 | 723.4 | 722.9 | 723.4 |
| 147.5° | 753.9 | 753.8 | 753.6 | 753.5 | 753.4 | 753.3 | 753.2 | 753.0 | 752.9 | 752.7 | 752.9 |
| 150°   | 780.3 | 780.3 | 780.3 | 780.3 | 780.3 | 780.2 | 780.0 | 779.9 | 779.7 | 779.5 | 779.7 |
| 152.5° | 804.7 | 805.2 | 805.7 | 806.2 | 806.4 | 806.2 | 805.7 | 805.2 | 804.7 | 804.2 | 804.7 |
| 155°   | 827.3 | 828.0 | 828.6 | 829.3 | 829.6 | 829.3 | 828.6 | 828.0 | 827.3 | 826.7 | 827.3 |
| 157.5° | 848.3 | 848.7 | 849.2 | 849.7 | 849.9 | 849.7 | 849.2 | 848.7 | 848.3 | 847.8 | 848.3 |
| 160°   | 867.1 | 867.6 | 868.1 | 868.6 | 868.8 | 868.4 | 867.6 | 866.8 | 866.0 | 865.2 | 866.0 |
| 162.5° | 883.6 | 884.6 | 885.5 | 886.5 | 887.0 | 886.6 | 885.8 | 884.9 | 884.1 | 883.3 | 884.1 |
| 165°   | 898.1 | 899.1 | 900.0 | 901.0 | 901.5 | 901.2 | 900.5 | 899.9 | 899.2 | 898.6 | 899.2 |
| 167.5° | 911.2 | 912.1 | 913.1 | 914.0 | 914.5 | 914.0 | 913.1 | 912.1 | 911.2 | 910.2 | 911.2 |
| 170°   | 921.4 | 922.3 | 923.3 | 924.2 | 924.7 | 924.1 | 923.0 | 921.9 | 920.7 | 919.6 | 920.7 |
| 172.5° | 928.7 | 929.9 | 931.0 | 932.1 | 932.7 | 932.1 | 931.0 | 929.9 | 928.7 | 927.6 | 928.7 |
| 175°   | 933.8 | 935.0 | 936.1 | 937.2 | 937.8 | 937.2 | 936.1 | 935.0 | 933.8 | 932.7 | 933.8 |
| 177.5° | 937.4 | 938.6 | 939.7 | 940.8 | 941.4 | 940.8 | 939.5 | 938.2 | 936.9 | 935.6 | 936.9 |
| 180°   | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 |

TEST NUMBER: P1032879

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**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 |
| 2.5°   | 1763.0 | 1753.8 | 1752.4 | 1752.4 | 1737.9 | 1745.8 | 1730.0 | 1712.8 | 1704.9 | 1704.9 | 1690.3 |
| 5°     | 1909.7 | 1900.5 | 1891.2 | 1876.7 | 1876.7 | 1868.7 | 1843.6 | 1818.5 | 1800.0 | 1784.2 | 1767.0 |
| 7.5°   | 2060.4 | 2051.1 | 2024.7 | 2010.2 | 2018.1 | 2002.2 | 1969.2 | 1926.9 | 1895.2 | 1870.1 | 1834.4 |
| 10°    | 2224.3 | 2199.1 | 2185.9 | 2178.0 | 2150.2 | 2133.1 | 2094.7 | 2032.6 | 1993.0 | 1959.9 | 1913.7 |
| 12.5°  | 2357.7 | 2365.7 | 2315.4 | 2319.4 | 2291.7 | 2267.9 | 2208.4 | 2148.9 | 2089.5 | 2043.2 | 1974.5 |
| 15°    | 2501.8 | 2478.0 | 2447.6 | 2423.8 | 2414.6 | 2385.5 | 2335.3 | 2256.0 | 2191.2 | 2118.5 | 2040.6 |
| 17.5°  | 2615.4 | 2596.9 | 2567.9 | 2545.4 | 2525.6 | 2455.5 | 2413.2 | 2343.2 | 2254.7 | 2183.3 | 2088.1 |
| 20°    | 2711.9 | 2694.7 | 2653.8 | 2639.2 | 2603.6 | 2553.3 | 2492.5 | 2384.2 | 2304.9 | 2226.9 | 2134.4 |
| 22.5°  | 2752.9 | 2735.7 | 2700.0 | 2681.5 | 2659.1 | 2610.2 | 2552.0 | 2448.9 | 2351.1 | 2253.3 | 2155.5 |
| 25°    | 2718.5 | 2718.5 | 2701.4 | 2694.7 | 2674.9 | 2631.3 | 2571.8 | 2484.6 | 2380.2 | 2274.5 | 2158.2 |
| 27.5°  | 2552.0 | 2585.1 | 2596.9 | 2603.6 | 2603.6 | 2604.9 | 2563.9 | 2479.3 | 2377.6 | 2274.5 | 2152.9 |
| 30°    | 2311.5 | 2367.0 | 2415.9 | 2430.4 | 2455.5 | 2483.3 | 2500.5 | 2459.5 | 2368.3 | 2259.9 | 2138.4 |
| 32.5°  | 2008.8 | 2080.2 | 2171.4 | 2193.9 | 2228.2 | 2311.5 | 2357.7 | 2374.9 | 2324.7 | 2229.5 | 2100.0 |
| 35°    | 1707.5 | 1797.4 | 1852.9 | 1921.6 | 1953.3 | 2076.2 | 2179.3 | 2241.4 | 2229.5 | 2172.7 | 2055.1 |
| 37.5°  | 1444.5 | 1496.1 | 1563.5 | 1636.1 | 1699.6 | 1817.2 | 1945.4 | 2065.7 | 2114.6 | 2086.8 | 1998.3 |
| 40°    | 1192.1 | 1252.9 | 1333.5 | 1393.0 | 1436.6 | 1554.2 | 1712.8 | 1843.6 | 1950.7 | 1967.9 | 1913.7 |
| 42.5°  | 1013.7 | 1074.5 | 1123.4 | 1188.1 | 1222.5 | 1336.1 | 1476.2 | 1640.1 | 1767.0 | 1834.4 | 1810.6 |
| 45°    | 876.2  | 913.2  | 952.9  | 989.9  | 1032.2 | 1132.6 | 1262.1 | 1441.9 | 1584.6 | 1679.8 | 1689.0 |
| 47.5°  | 756.0  | 789.0  | 823.4  | 857.7  | 881.5  | 959.5  | 1078.4 | 1225.1 | 1381.1 | 1511.9 | 1563.5 |
| 50°    | 671.4  | 687.2  | 712.3  | 732.2  | 759.9  | 827.3  | 922.5  | 1049.4 | 1214.6 | 1356.0 | 1423.4 |
| 52.5°  | 588.1  | 607.9  | 627.8  | 644.9  | 663.4  | 711.0  | 798.2  | 907.9  | 1050.7 | 1196.0 | 1279.3 |
| 55°    | 518.1  | 533.9  | 552.4  | 564.3  | 574.9  | 617.2  | 683.3  | 767.9  | 890.8  | 1028.2 | 1131.3 |
| 57.5°  | 461.2  | 467.8  | 483.7  | 490.3  | 502.2  | 536.6  | 584.1  | 659.5  | 758.6  | 892.1  | 976.7  |
| 60°    | 399.1  | 412.3  | 424.2  | 429.5  | 438.8  | 462.6  | 495.6  | 565.6  | 651.5  | 749.3  | 845.8  |
| 62.5°  | 348.9  | 354.2  | 363.4  | 370.0  | 376.7  | 401.8  | 429.5  | 482.4  | 547.1  | 629.1  | 717.6  |
| 65°    | 302.6  | 305.3  | 310.6  | 319.8  | 323.8  | 342.3  | 358.2  | 396.5  | 457.3  | 519.4  | 607.9  |
| 67.5°  | 255.1  | 257.7  | 264.3  | 269.6  | 273.6  | 285.5  | 302.6  | 330.4  | 363.4  | 432.2  | 481.1  |
| 70°    | 218.1  | 218.1  | 222.0  | 224.7  | 228.6  | 233.9  | 243.2  | 264.3  | 294.7  | 338.3  | 383.3  |
| 72.5°  | 182.4  | 182.4  | 182.4  | 186.3  | 186.3  | 190.3  | 195.6  | 210.1  | 231.3  | 265.6  | 294.7  |
| 75°    | 141.4  | 142.7  | 145.4  | 145.4  | 146.7  | 152.0  | 155.9  | 159.9  | 170.5  | 193.0  | 219.4  |
| 77.5°  | 107.0  | 109.7  | 111.0  | 108.4  | 111.0  | 111.0  | 116.3  | 121.6  | 126.9  | 133.5  | 153.3  |
| 80°    | 79.3   | 80.6   | 78.0   | 79.3   | 79.3   | 81.9   | 84.6   | 83.3   | 85.9   | 93.8   | 99.1   |
| 82.5°  | 52.9   | 54.2   | 54.2   | 54.2   | 54.2   | 58.2   | 58.2   | 56.8   | 58.2   | 59.5   | 60.8   |
| 85°    | 33.0   | 31.7   | 31.7   | 33.0   | 31.7   | 31.7   | 33.0   | 34.4   | 33.0   | 34.4   | 35.7   |
| 87.5°  | 14.5   | 14.5   | 14.5   | 14.5   | 13.2   | 13.2   | 14.5   | 13.2   | 14.5   | 13.2   | 11.9   |
| 90°    | 21.1   | 20.8   | 20.5   | 20.3   | 19.8   | 18.9   | 17.9   | 17.0   | 16.0   | 14.7   | 13.4   |
| 92.5°  | 34.5   | 34.3   | 34.2   | 34.1   | 33.9   | 33.4   | 32.9   | 32.4   | 31.9   | 31.1   | 30.3   |
| 95°    | 57.3   | 57.3   | 57.3   | 57.3   | 57.1   | 56.6   | 56.1   | 55.7   | 55.2   | 54.1   | 52.9   |
| 97.5°  | 84.2   | 84.2   | 84.2   | 84.2   | 83.9   | 83.2   | 82.6   | 81.9   | 81.3   | 80.0   | 78.7   |
| 100°   | 112.5  | 112.5  | 112.5  | 112.5  | 112.3  | 112.0  | 111.7  | 111.4  | 111.1  | 109.6  | 108.2  |
| 102.5° | 144.1  | 143.9  | 143.8  | 143.7  | 143.5  | 143.0  | 142.5  | 142.0  | 141.5  | 140.2  | 138.9  |
| 105°   | 176.1  | 175.6  | 175.1  | 174.9  | 174.7  | 174.2  | 173.7  | 173.2  | 172.7  | 172.1  | 171.4  |
| 107.5° | 208.6  | 208.8  | 208.9  | 209.0  | 208.7  | 208.0  | 207.4  | 206.7  | 206.1  | 205.9  | 205.8  |
| 110°   | 241.5  | 241.0  | 240.5  | 240.3  | 240.5  | 240.8  | 241.1  | 241.4  | 241.7  | 241.9  | 242.0  |



TEST NUMBER: P1032879

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**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 277.3 | 277.3 | 277.3 | 277.3  | 277.3 | 277.3 | 277.3 | 277.3 | 277.3 | 277.6 | 277.9 |
| 115°   | 313.9 | 314.1 | 314.2 | 314.3  | 314.4 | 314.5 | 314.7 | 314.8 | 315.0 | 315.3 | 315.7 |
| 117.5° | 347.9 | 348.4 | 348.9 | 349.1  | 349.3 | 349.8 | 350.3 | 350.8 | 351.3 | 351.5 | 351.6 |
| 120°   | 385.5 | 385.2 | 384.9 | 384.7  | 385.1 | 385.9 | 386.7 | 387.5 | 388.3 | 388.8 | 389.3 |
| 122.5° | 420.4 | 421.2 | 422.0 | 422.4  | 422.6 | 423.1 | 423.6 | 424.1 | 424.6 | 424.8 | 424.9 |
| 125°   | 457.9 | 458.2 | 458.5 | 458.7  | 458.9 | 459.2 | 459.5 | 459.9 | 460.2 | 460.4 | 460.5 |
| 127.5° | 492.4 | 492.6 | 492.7 | 492.8  | 493.0 | 493.3 | 493.6 | 494.0 | 494.3 | 494.6 | 494.9 |
| 130°   | 527.5 | 528.1 | 528.8 | 529.1  | 529.3 | 529.6 | 529.9 | 530.3 | 530.6 | 530.6 | 530.6 |
| 132.5° | 562.8 | 563.0 | 563.1 | 563.2  | 563.4 | 563.7 | 564.0 | 564.4 | 564.7 | 564.9 | 565.0 |
| 135°   | 596.2 | 596.7 | 597.2 | 597.4  | 597.6 | 597.9 | 598.2 | 598.5 | 598.8 | 598.8 | 598.8 |
| 137.5° | 630.4 | 630.2 | 630.1 | 630.0  | 630.2 | 630.7 | 631.2 | 631.7 | 632.2 | 631.9 | 631.5 |
| 140°   | 663.0 | 663.2 | 663.3 | 663.4  | 663.5 | 663.6 | 663.8 | 663.9 | 664.1 | 664.1 | 664.1 |
| 142.5° | 694.6 | 694.6 | 694.6 | 694.6  | 694.6 | 694.6 | 694.6 | 694.6 | 694.6 | 694.8 | 694.9 |
| 145°   | 723.9 | 724.4 | 724.9 | 725.1  | 725.2 | 725.3 | 725.5 | 725.6 | 725.8 | 725.6 | 725.5 |
| 147.5° | 753.0 | 753.2 | 753.3 | 753.4  | 753.5 | 753.6 | 753.8 | 753.9 | 754.1 | 754.3 | 754.5 |
| 150°   | 779.9 | 780.0 | 780.2 | 780.3  | 780.3 | 780.3 | 780.3 | 780.3 | 780.3 | 780.3 | 780.3 |
| 152.5° | 805.2 | 805.7 | 806.2 | 806.4  | 806.2 | 805.7 | 805.2 | 804.7 | 804.2 | 804.0 | 803.9 |
| 155°   | 828.0 | 828.6 | 829.3 | 829.6  | 829.3 | 828.6 | 828.0 | 827.3 | 826.7 | 826.9 | 827.0 |
| 157.5° | 848.7 | 849.2 | 849.7 | 849.9  | 849.7 | 849.2 | 848.7 | 848.3 | 847.8 | 847.8 | 847.8 |
| 160°   | 866.8 | 867.6 | 868.4 | 868.8  | 868.6 | 868.1 | 867.6 | 867.1 | 866.6 | 866.8 | 867.0 |
| 162.5° | 884.9 | 885.8 | 886.6 | 887.0  | 886.5 | 885.5 | 884.6 | 883.6 | 882.6 | 882.8 | 882.9 |
| 165°   | 899.9 | 900.5 | 901.2 | 901.5  | 901.0 | 900.0 | 899.1 | 898.1 | 897.1 | 897.4 | 897.8 |
| 167.5° | 912.1 | 913.1 | 914.0 | 914.5  | 914.0 | 913.1 | 912.1 | 911.2 | 910.2 | 910.2 | 910.2 |
| 170°   | 921.9 | 923.0 | 924.1 | 924.7  | 924.2 | 923.3 | 922.3 | 921.4 | 920.4 | 920.2 | 920.0 |
| 172.5° | 929.9 | 931.0 | 932.1 | 932.7  | 932.1 | 931.0 | 929.9 | 928.7 | 927.6 | 927.6 | 927.6 |
| 175°   | 935.0 | 936.1 | 937.2 | 937.8  | 937.2 | 936.1 | 935.0 | 933.8 | 932.7 | 932.9 | 933.0 |
| 177.5° | 938.2 | 939.5 | 940.8 | 941.4  | 940.8 | 939.7 | 938.6 | 937.4 | 936.3 | 936.3 | 936.3 |
| 180°   | 938.5 | 938.5 | 938.5 | 938.5  | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 |
| 2.5°   | 1682.4 | 1675.8 | 1671.8 | 1670.5 | 1658.6 | 1652.0 | 1648.0 | 1645.4 | 1641.4 | 1630.9 | 1621.6 |
| 5°     | 1745.8 | 1727.3 | 1718.1 | 1707.5 | 1689.0 | 1667.9 | 1650.7 | 1640.1 | 1626.9 | 1605.7 | 1585.9 |
| 7.5°   | 1805.3 | 1777.6 | 1759.1 | 1744.5 | 1712.8 | 1678.4 | 1650.7 | 1628.2 | 1603.1 | 1574.0 | 1546.3 |
| 10°    | 1867.4 | 1822.5 | 1798.7 | 1776.2 | 1730.0 | 1685.0 | 1645.4 | 1612.4 | 1576.7 | 1538.3 | 1507.9 |
| 12.5°  | 1916.3 | 1856.9 | 1830.4 | 1798.7 | 1741.9 | 1689.0 | 1638.8 | 1593.9 | 1547.6 | 1506.6 | 1463.0 |
| 15°    | 1973.2 | 1899.1 | 1868.7 | 1827.8 | 1749.8 | 1681.1 | 1616.3 | 1567.4 | 1519.8 | 1459.0 | 1412.8 |
| 17.5°  | 2006.2 | 1920.3 | 1876.7 | 1841.0 | 1756.4 | 1673.1 | 1597.8 | 1537.0 | 1481.5 | 1420.7 | 1371.8 |
| 20°    | 2039.2 | 1941.4 | 1892.5 | 1842.3 | 1741.9 | 1653.3 | 1574.0 | 1501.3 | 1443.2 | 1377.1 | 1326.9 |
| 22.5°  | 2049.8 | 1936.1 | 1884.6 | 1838.3 | 1732.6 | 1633.5 | 1542.3 | 1468.3 | 1400.9 | 1334.8 | 1278.0 |
| 25°    | 2049.8 | 1934.8 | 1874.0 | 1814.6 | 1703.5 | 1601.8 | 1510.6 | 1430.0 | 1354.6 | 1288.6 | 1231.7 |
| 27.5°  | 2028.7 | 1908.4 | 1845.0 | 1790.8 | 1675.8 | 1566.1 | 1472.3 | 1383.7 | 1311.0 | 1244.9 | 1180.2 |
| 30°    | 2002.2 | 1870.1 | 1806.6 | 1741.9 | 1630.9 | 1526.5 | 1424.7 | 1342.7 | 1266.1 | 1190.8 | 1132.6 |
| 32.5°  | 1969.2 | 1829.1 | 1759.1 | 1693.0 | 1575.3 | 1467.0 | 1373.1 | 1292.5 | 1219.8 | 1141.9 | 1077.1 |
| 35°    | 1921.6 | 1768.3 | 1690.3 | 1632.2 | 1518.5 | 1406.2 | 1316.3 | 1237.0 | 1167.0 | 1086.4 | 1016.3 |
| 37.5°  | 1860.8 | 1712.8 | 1633.5 | 1562.1 | 1444.5 | 1341.4 | 1256.8 | 1180.2 | 1111.5 | 1037.5 | 959.5  |
| 40°    | 1789.4 | 1634.8 | 1566.1 | 1490.8 | 1366.5 | 1268.7 | 1189.4 | 1120.7 | 1052.0 | 982.0  | 906.6  |
| 42.5°  | 1708.8 | 1555.5 | 1478.9 | 1406.2 | 1287.2 | 1190.8 | 1116.8 | 1054.6 | 991.2  | 926.4  | 845.8  |
| 45°    | 1612.4 | 1468.3 | 1394.3 | 1325.6 | 1210.6 | 1111.5 | 1044.1 | 984.6  | 930.4  | 864.3  | 793.0  |
| 47.5°  | 1504.0 | 1378.4 | 1303.1 | 1229.1 | 1116.8 | 1030.8 | 964.8  | 914.5  | 868.3  | 802.2  | 737.5  |
| 50°    | 1398.3 | 1274.0 | 1213.2 | 1137.9 | 1034.8 | 954.2  | 886.8  | 844.5  | 808.8  | 744.1  | 685.9  |
| 52.5°  | 1264.8 | 1170.9 | 1112.8 | 1048.0 | 948.9  | 867.0  | 814.1  | 777.1  | 734.8  | 684.6  | 633.0  |
| 55°    | 1147.2 | 1059.9 | 1013.7 | 952.9  | 855.1  | 782.4  | 737.5  | 703.1  | 670.1  | 625.1  | 584.1  |
| 57.5°  | 1013.7 | 959.5  | 913.2  | 860.4  | 763.9  | 701.8  | 662.1  | 633.0  | 602.7  | 565.6  | 532.6  |
| 60°    | 873.6  | 848.5  | 803.5  | 761.2  | 679.3  | 625.1  | 592.1  | 565.6  | 536.6  | 506.2  | 478.4  |
| 62.5°  | 749.3  | 734.8  | 708.4  | 675.3  | 598.7  | 552.4  | 519.4  | 499.6  | 478.4  | 450.7  | 424.2  |
| 65°    | 631.7  | 625.1  | 600.0  | 576.2  | 523.4  | 482.4  | 453.3  | 441.4  | 417.6  | 396.5  | 372.7  |
| 67.5°  | 527.3  | 519.4  | 504.9  | 494.3  | 449.3  | 411.0  | 396.5  | 380.6  | 360.8  | 344.9  | 325.1  |
| 70°    | 421.6  | 420.3  | 411.0  | 397.8  | 374.0  | 346.3  | 331.7  | 321.1  | 301.3  | 289.4  | 274.9  |
| 72.5°  | 327.8  | 334.4  | 326.4  | 321.1  | 305.3  | 285.5  | 272.2  | 265.6  | 249.8  | 240.5  | 230.0  |
| 75°    | 244.5  | 249.8  | 253.7  | 244.5  | 240.5  | 231.3  | 219.4  | 212.8  | 204.8  | 191.6  | 187.7  |
| 77.5°  | 166.5  | 178.4  | 178.4  | 181.1  | 182.4  | 177.1  | 167.8  | 162.6  | 153.3  | 150.7  | 145.4  |
| 80°    | 109.7  | 120.3  | 121.6  | 124.2  | 128.2  | 128.2  | 121.6  | 120.3  | 111.0  | 109.7  | 105.7  |
| 82.5°  | 63.4   | 72.7   | 78.0   | 81.9   | 80.6   | 85.9   | 80.6   | 79.3   | 74.0   | 74.0   | 71.4   |
| 85°    | 34.4   | 35.7   | 38.3   | 41.0   | 43.6   | 46.3   | 46.3   | 44.9   | 43.6   | 42.3   | 39.6   |
| 87.5°  | 13.2   | 13.2   | 14.5   | 13.2   | 14.5   | 17.2   | 18.5   | 18.5   | 17.2   | 15.9   | 13.2   |
| 90°    | 12.1   | 10.8   | 10.2   | 9.3    | 7.5    | 5.8    | 4.0    | 2.2    | 4.0    | 5.8    | 7.5    |
| 92.5°  | 29.5   | 28.7   | 28.3   | 27.3   | 25.2   | 23.1   | 21.0   | 18.9   | 21.0   | 23.1   | 25.2   |
| 95°    | 51.8   | 50.7   | 50.1   | 49.4   | 47.9   | 46.4   | 45.0   | 43.5   | 45.0   | 46.4   | 47.9   |
| 97.5°  | 77.4   | 76.1   | 75.5   | 74.9   | 73.6   | 72.3   | 71.0   | 69.7   | 71.0   | 72.3   | 73.6   |
| 100°   | 106.7  | 105.2  | 104.5  | 104.2  | 103.5  | 102.9  | 102.2  | 101.6  | 102.2  | 102.9  | 103.5  |
| 102.5° | 137.6  | 136.3  | 135.7  | 135.6  | 135.5  | 135.3  | 135.2  | 135.0  | 135.2  | 135.3  | 135.5  |
| 105°   | 170.8  | 170.1  | 169.8  | 169.7  | 169.6  | 169.4  | 169.3  | 169.1  | 169.3  | 169.4  | 169.6  |
| 107.5° | 205.6  | 205.5  | 205.4  | 205.3  | 205.2  | 205.0  | 204.9  | 204.7  | 204.9  | 205.0  | 205.2  |
| 110°   | 242.2  | 242.3  | 242.4  | 242.2  | 241.9  | 241.6  | 241.3  | 241.0  | 241.3  | 241.6  | 241.9  |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 278.2 | 278.5 | 278.7  | 278.7 | 278.7 | 278.7 | 278.7 | 278.7 | 278.7 | 278.7 | 278.7 |
| 115°   | 316.0 | 316.3 | 316.5  | 316.5 | 316.5 | 316.5 | 316.5 | 316.5 | 316.5 | 316.5 | 316.5 |
| 117.5° | 351.8 | 351.9 | 352.0  | 352.0 | 352.0 | 352.0 | 352.0 | 352.0 | 352.0 | 352.0 | 352.0 |
| 120°   | 389.8 | 390.3 | 390.5  | 390.2 | 389.5 | 388.9 | 388.2 | 387.6 | 388.2 | 388.9 | 389.5 |
| 122.5° | 425.1 | 425.2 | 425.3  | 425.2 | 425.1 | 424.9 | 424.8 | 424.6 | 424.8 | 424.9 | 425.1 |
| 125°   | 460.7 | 460.8 | 460.9  | 460.9 | 460.9 | 460.9 | 460.9 | 460.9 | 460.9 | 460.9 | 460.9 |
| 127.5° | 495.2 | 495.5 | 495.7  | 495.5 | 495.0 | 494.5 | 494.1 | 493.6 | 494.1 | 494.5 | 495.0 |
| 130°   | 530.6 | 530.6 | 530.6  | 530.4 | 529.9 | 529.4 | 528.9 | 528.4 | 528.9 | 529.4 | 529.9 |
| 132.5° | 565.2 | 565.3 | 565.4  | 565.2 | 564.9 | 564.6 | 564.3 | 564.0 | 564.3 | 564.6 | 564.9 |
| 135°   | 598.8 | 598.8 | 598.8  | 598.3 | 597.4 | 596.4 | 595.5 | 594.5 | 595.5 | 596.4 | 597.4 |
| 137.5° | 631.2 | 630.9 | 630.7  | 630.5 | 630.0 | 629.5 | 629.1 | 628.6 | 629.1 | 629.5 | 630.0 |
| 140°   | 664.1 | 664.1 | 664.1  | 663.9 | 663.6 | 663.3 | 663.0 | 662.7 | 663.0 | 663.3 | 663.6 |
| 142.5° | 695.1 | 695.2 | 695.3  | 695.1 | 694.8 | 694.5 | 694.2 | 693.9 | 694.2 | 694.5 | 694.8 |
| 145°   | 725.3 | 725.2 | 725.1  | 724.8 | 724.1 | 723.5 | 722.8 | 722.2 | 722.8 | 723.5 | 724.1 |
| 147.5° | 754.6 | 754.8 | 754.9  | 754.5 | 753.7 | 752.8 | 752.0 | 751.2 | 752.0 | 752.8 | 753.7 |
| 150°   | 780.3 | 780.3 | 780.3  | 780.0 | 779.3 | 778.7 | 778.0 | 777.4 | 778.0 | 778.7 | 779.3 |
| 152.5° | 803.7 | 803.6 | 803.5  | 803.3 | 803.0 | 802.7 | 802.3 | 802.0 | 802.3 | 802.7 | 803.0 |
| 155°   | 827.2 | 827.3 | 827.4  | 827.4 | 827.4 | 827.4 | 827.4 | 827.4 | 827.4 | 827.4 | 827.4 |
| 157.5° | 847.8 | 847.8 | 847.8  | 848.0 | 848.3 | 848.6 | 848.9 | 849.2 | 848.9 | 848.6 | 848.3 |
| 160°   | 867.1 | 867.3 | 867.4  | 867.5 | 867.6 | 867.8 | 867.9 | 868.1 | 867.9 | 867.8 | 867.6 |
| 162.5° | 883.1 | 883.2 | 883.3  | 883.5 | 884.0 | 884.5 | 885.0 | 885.5 | 885.0 | 884.5 | 884.0 |
| 165°   | 898.1 | 898.4 | 898.6  | 898.8 | 899.3 | 899.8 | 900.3 | 900.8 | 900.3 | 899.8 | 899.3 |
| 167.5° | 910.2 | 910.2 | 910.2  | 910.5 | 911.2 | 911.8 | 912.5 | 913.1 | 912.5 | 911.8 | 911.2 |
| 170°   | 919.9 | 919.7 | 919.6  | 920.0 | 920.8 | 921.7 | 922.5 | 923.3 | 922.5 | 921.7 | 920.8 |
| 172.5° | 927.6 | 927.6 | 927.6  | 927.9 | 928.6 | 929.2 | 929.9 | 930.5 | 929.9 | 929.2 | 928.6 |
| 175°   | 933.2 | 933.3 | 933.4  | 933.8 | 934.6 | 935.4 | 936.2 | 937.0 | 936.2 | 935.4 | 934.6 |
| 177.5° | 936.3 | 936.3 | 936.3  | 936.7 | 937.5 | 938.4 | 939.2 | 940.0 | 939.2 | 938.4 | 937.5 |
| 180°   | 938.5 | 938.5 | 938.5  | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 |

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**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 |
| 2.5°   | 1613.7 | 1611.0 | 1608.4 | 1597.8 | 1588.6 | 1572.7 | 1559.5 | 1554.2 | 1552.9 | 1554.2 | 1550.2 |
| 5°     | 1567.4 | 1566.1 | 1556.8 | 1538.3 | 1521.2 | 1502.7 | 1489.4 | 1476.2 | 1468.3 | 1468.3 | 1459.0 |
| 7.5°   | 1523.8 | 1514.6 | 1506.6 | 1482.8 | 1463.0 | 1437.9 | 1418.1 | 1406.2 | 1399.6 | 1385.0 | 1385.0 |
| 10°    | 1477.6 | 1464.3 | 1453.8 | 1431.3 | 1402.2 | 1377.1 | 1352.0 | 1337.5 | 1325.6 | 1315.0 | 1311.0 |
| 12.5°  | 1431.3 | 1420.7 | 1400.9 | 1377.1 | 1348.0 | 1316.3 | 1289.9 | 1279.3 | 1251.6 | 1229.1 | 1230.4 |
| 15°    | 1387.7 | 1363.9 | 1354.6 | 1320.3 | 1285.9 | 1255.5 | 1217.2 | 1186.8 | 1164.3 | 1149.8 | 1131.3 |
| 17.5°  | 1338.8 | 1315.0 | 1297.8 | 1268.7 | 1223.8 | 1176.2 | 1139.2 | 1098.3 | 1075.8 | 1050.7 | 1038.8 |
| 20°    | 1284.6 | 1264.8 | 1251.6 | 1205.3 | 1151.1 | 1094.3 | 1053.3 | 1028.2 | 1003.1 | 984.6  | 974.0  |
| 22.5°  | 1238.3 | 1213.2 | 1197.4 | 1135.3 | 1075.8 | 1019.0 | 987.2  | 966.1  | 944.9  | 929.1  | 923.8  |
| 25°    | 1178.9 | 1164.3 | 1126.0 | 1071.8 | 999.1  | 960.8  | 933.1  | 905.3  | 893.4  | 882.8  | 870.9  |
| 27.5°  | 1130.0 | 1094.3 | 1067.9 | 996.5  | 951.6  | 907.9  | 880.2  | 859.0  | 844.5  | 833.9  | 824.7  |
| 30°    | 1069.2 | 1036.1 | 999.1  | 939.7  | 898.7  | 857.7  | 832.6  | 815.4  | 799.6  | 793.0  | 785.0  |
| 32.5°  | 1005.7 | 975.3  | 939.7  | 892.1  | 841.9  | 810.1  | 790.3  | 771.8  | 761.2  | 754.6  | 745.4  |
| 35°    | 948.9  | 910.6  | 886.8  | 841.9  | 800.9  | 765.2  | 746.7  | 730.8  | 719.0  | 716.3  | 715.0  |
| 37.5°  | 888.1  | 859.0  | 836.6  | 790.3  | 756.0  | 725.6  | 708.4  | 691.2  | 684.6  | 683.3  | 678.0  |
| 40°    | 835.3  | 810.1  | 789.0  | 745.4  | 708.4  | 680.6  | 667.4  | 656.8  | 650.2  | 650.2  | 648.9  |
| 42.5°  | 789.0  | 762.6  | 741.4  | 701.8  | 668.7  | 643.6  | 629.1  | 618.5  | 615.9  | 617.2  | 615.9  |
| 45°    | 737.5  | 715.0  | 693.8  | 652.9  | 625.1  | 606.6  | 590.8  | 585.5  | 581.5  | 582.8  | 584.1  |
| 47.5°  | 688.6  | 670.1  | 648.9  | 615.9  | 584.1  | 564.3  | 555.1  | 549.8  | 549.8  | 549.8  | 552.4  |
| 50°    | 644.9  | 623.8  | 605.3  | 570.9  | 541.9  | 526.0  | 518.1  | 511.5  | 512.8  | 514.1  | 515.4  |
| 52.5°  | 593.4  | 574.9  | 561.7  | 527.3  | 506.2  | 486.3  | 477.1  | 478.4  | 477.1  | 477.1  | 479.7  |
| 55°    | 548.5  | 530.0  | 516.7  | 485.0  | 463.9  | 450.7  | 442.7  | 438.8  | 440.1  | 437.5  | 442.7  |
| 57.5°  | 498.2  | 482.4  | 473.1  | 442.7  | 424.2  | 412.3  | 405.7  | 399.1  | 401.8  | 400.4  | 399.1  |
| 60°    | 454.6  | 436.1  | 421.6  | 400.4  | 384.6  | 370.0  | 366.1  | 359.5  | 362.1  | 359.5  | 358.2  |
| 62.5°  | 404.4  | 389.9  | 379.3  | 358.2  | 344.9  | 333.0  | 323.8  | 319.8  | 318.5  | 314.5  | 310.6  |
| 65°    | 354.2  | 346.3  | 335.7  | 314.5  | 301.3  | 292.1  | 286.8  | 282.8  | 281.5  | 270.9  | 259.0  |
| 67.5°  | 307.9  | 302.6  | 292.1  | 276.2  | 264.3  | 255.1  | 247.1  | 240.5  | 232.6  | 224.7  | 218.1  |
| 70°    | 264.3  | 256.4  | 249.8  | 235.2  | 224.7  | 215.4  | 207.5  | 199.6  | 195.6  | 187.7  | 185.0  |
| 72.5°  | 222.0  | 214.1  | 207.5  | 194.3  | 185.0  | 175.8  | 173.1  | 163.9  | 159.9  | 158.6  | 158.6  |
| 75°    | 178.4  | 171.8  | 167.8  | 155.9  | 148.0  | 141.4  | 137.4  | 134.8  | 132.2  | 129.5  | 125.6  |
| 77.5°  | 136.1  | 132.2  | 129.5  | 121.6  | 115.0  | 111.0  | 109.7  | 100.4  | 97.8   | 95.2   | 92.5   |
| 80°    | 99.1   | 97.8   | 95.2   | 88.5   | 85.9   | 76.7   | 76.7   | 74.0   | 72.7   | 72.7   | 72.7   |
| 82.5°  | 67.4   | 64.8   | 63.4   | 56.8   | 55.5   | 54.2   | 52.9   | 51.5   | 52.9   | 51.5   | 52.9   |
| 85°    | 35.7   | 34.4   | 33.0   | 33.0   | 33.0   | 33.0   | 33.0   | 33.0   | 33.0   | 31.7   | 33.0   |
| 87.5°  | 13.2   | 13.2   | 13.2   | 13.2   | 11.9   | 13.2   | 13.2   | 11.9   | 13.2   | 13.2   | 13.2   |
| 90°    | 9.3    | 10.2   | 10.8   | 12.1   | 13.4   | 14.7   | 16.0   | 17.0   | 17.9   | 18.9   | 19.8   |
| 92.5°  | 27.3   | 28.3   | 28.7   | 29.5   | 30.3   | 31.1   | 31.9   | 32.4   | 32.9   | 33.4   | 33.9   |
| 95°    | 49.4   | 50.1   | 50.7   | 51.8   | 52.9   | 54.1   | 55.2   | 55.7   | 56.1   | 56.6   | 57.1   |
| 97.5°  | 74.9   | 75.5   | 76.1   | 77.4   | 78.7   | 80.0   | 81.3   | 81.9   | 82.6   | 83.2   | 83.9   |
| 100°   | 104.2  | 104.5  | 105.2  | 106.7  | 108.2  | 109.6  | 111.1  | 111.4  | 111.7  | 112.0  | 112.3  |
| 102.5° | 135.6  | 135.7  | 136.3  | 137.6  | 138.9  | 140.2  | 141.5  | 142.0  | 142.5  | 143.0  | 143.5  |
| 105°   | 169.7  | 169.8  | 170.1  | 170.8  | 171.4  | 172.1  | 172.7  | 173.2  | 173.7  | 174.2  | 174.7  |
| 107.5° | 205.3  | 205.4  | 205.5  | 205.6  | 205.8  | 205.9  | 206.1  | 206.7  | 207.4  | 208.0  | 208.7  |
| 110°   | 242.2  | 242.4  | 242.3  | 242.2  | 242.0  | 241.9  | 241.7  | 241.4  | 241.1  | 240.8  | 240.5  |

TEST NUMBER: P1032879

CATALOG NUMBER: S124RDIW-B1020D770UB2750-4F0-XX-W2A-A1\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 278.7 | 278.7  | 278.5 | 278.2 | 277.9 | 277.6 | 277.3 | 277.3 | 277.3 | 277.3 | 277.3 |
| 115°   | 316.5 | 316.5  | 316.3 | 316.0 | 315.7 | 315.3 | 315.0 | 314.8 | 314.7 | 314.5 | 314.4 |
| 117.5° | 352.0 | 352.0  | 351.9 | 351.8 | 351.6 | 351.5 | 351.3 | 350.8 | 350.3 | 349.8 | 349.3 |
| 120°   | 390.2 | 390.5  | 390.3 | 389.8 | 389.3 | 388.8 | 388.3 | 387.5 | 386.7 | 385.9 | 385.1 |
| 122.5° | 425.2 | 425.3  | 425.2 | 425.1 | 424.9 | 424.8 | 424.6 | 424.1 | 423.6 | 423.1 | 422.6 |
| 125°   | 460.9 | 460.9  | 460.8 | 460.7 | 460.5 | 460.4 | 460.2 | 459.9 | 459.5 | 459.2 | 458.9 |
| 127.5° | 495.5 | 495.7  | 495.5 | 495.2 | 494.9 | 494.6 | 494.3 | 494.0 | 493.6 | 493.3 | 493.0 |
| 130°   | 530.4 | 530.6  | 530.6 | 530.6 | 530.6 | 530.6 | 530.6 | 530.3 | 529.9 | 529.6 | 529.3 |
| 132.5° | 565.2 | 565.4  | 565.3 | 565.2 | 565.0 | 564.9 | 564.7 | 564.4 | 564.0 | 563.7 | 563.4 |
| 135°   | 598.3 | 598.8  | 598.8 | 598.8 | 598.8 | 598.8 | 598.8 | 598.5 | 598.2 | 597.9 | 597.6 |
| 137.5° | 630.5 | 630.7  | 630.9 | 631.2 | 631.5 | 631.9 | 632.2 | 631.7 | 631.2 | 630.7 | 630.2 |
| 140°   | 663.9 | 664.1  | 664.1 | 664.1 | 664.1 | 664.1 | 664.1 | 663.9 | 663.8 | 663.6 | 663.5 |
| 142.5° | 695.1 | 695.3  | 695.2 | 695.1 | 694.9 | 694.8 | 694.6 | 694.6 | 694.6 | 694.6 | 694.6 |
| 145°   | 724.8 | 725.1  | 725.2 | 725.3 | 725.5 | 725.6 | 725.8 | 725.6 | 725.5 | 725.3 | 725.2 |
| 147.5° | 754.5 | 754.9  | 754.8 | 754.6 | 754.5 | 754.3 | 754.1 | 753.9 | 753.8 | 753.6 | 753.5 |
| 150°   | 780.0 | 780.3  | 780.3 | 780.3 | 780.3 | 780.3 | 780.3 | 780.3 | 780.3 | 780.3 | 780.3 |
| 152.5° | 803.3 | 803.5  | 803.6 | 803.7 | 803.9 | 804.0 | 804.2 | 804.7 | 805.2 | 805.7 | 806.2 |
| 155°   | 827.4 | 827.4  | 827.3 | 827.2 | 827.0 | 826.9 | 826.7 | 827.3 | 828.0 | 828.6 | 829.3 |
| 157.5° | 848.0 | 847.8  | 847.8 | 847.8 | 847.8 | 847.8 | 847.8 | 848.3 | 848.7 | 849.2 | 849.7 |
| 160°   | 867.5 | 867.4  | 867.3 | 867.1 | 867.0 | 866.8 | 866.6 | 867.1 | 867.6 | 868.1 | 868.6 |
| 162.5° | 883.5 | 883.3  | 883.2 | 883.1 | 882.9 | 882.8 | 882.6 | 883.6 | 884.6 | 885.5 | 886.5 |
| 165°   | 898.8 | 898.6  | 898.4 | 898.1 | 897.8 | 897.4 | 897.1 | 898.1 | 899.1 | 900.0 | 901.0 |
| 167.5° | 910.5 | 910.2  | 910.2 | 910.2 | 910.2 | 910.2 | 910.2 | 911.2 | 912.1 | 913.1 | 914.0 |
| 170°   | 920.0 | 919.6  | 919.7 | 919.9 | 920.0 | 920.2 | 920.4 | 921.4 | 922.3 | 923.3 | 924.2 |
| 172.5° | 927.9 | 927.6  | 927.6 | 927.6 | 927.6 | 927.6 | 927.6 | 928.7 | 929.9 | 931.0 | 932.1 |
| 175°   | 933.8 | 933.4  | 933.3 | 933.2 | 933.0 | 932.9 | 932.7 | 933.8 | 935.0 | 936.1 | 937.2 |
| 177.5° | 936.7 | 936.3  | 936.3 | 936.3 | 936.3 | 936.3 | 936.3 | 937.4 | 938.6 | 939.7 | 940.8 |
| 180°   | 938.5 | 938.5  | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 |

TEST NUMBER: P1032879

CATALOG NUMBER: S124RDIW-B1020D770UB2750-4F0-XX-W2A-A1\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 |
| 2.5°   | 1550.2 | 1555.5 | 1548.9 | 1552.9 | 1543.6 | 1542.3 | 1543.6 | 1543.6 | 1545.0 | 1546.3 | 1547.6 |
| 5°     | 1463.0 | 1461.7 | 1453.8 | 1448.5 | 1444.5 | 1448.5 | 1451.1 | 1453.8 | 1451.1 | 1453.8 | 1455.1 |
| 7.5°   | 1381.1 | 1377.1 | 1373.1 | 1363.9 | 1366.5 | 1363.9 | 1371.8 | 1367.9 | 1367.9 | 1374.5 | 1379.8 |
| 10°    | 1308.4 | 1300.5 | 1297.8 | 1287.2 | 1279.3 | 1278.0 | 1287.2 | 1291.2 | 1295.2 | 1297.8 | 1308.4 |
| 12.5°  | 1214.6 | 1202.7 | 1193.4 | 1197.4 | 1174.9 | 1184.2 | 1186.8 | 1181.5 | 1197.4 | 1215.9 | 1205.3 |
| 15°    | 1114.1 | 1115.4 | 1096.9 | 1090.3 | 1071.8 | 1077.1 | 1078.4 | 1091.6 | 1104.9 | 1103.5 | 1119.4 |
| 17.5°  | 1040.1 | 1032.2 | 1016.3 | 1015.0 | 1007.1 | 1011.0 | 1009.7 | 1020.3 | 1016.3 | 1022.9 | 1036.1 |
| 20°    | 971.4  | 966.1  | 952.9  | 947.6  | 950.2  | 947.6  | 948.9  | 950.2  | 954.2  | 968.7  | 966.1  |
| 22.5°  | 917.2  | 910.6  | 910.6  | 904.0  | 896.0  | 893.4  | 900.0  | 904.0  | 909.3  | 911.9  | 918.5  |
| 25°    | 869.6  | 864.3  | 857.7  | 853.8  | 847.1  | 848.5  | 852.4  | 857.7  | 861.7  | 867.0  | 872.3  |
| 27.5°  | 820.7  | 820.7  | 814.1  | 812.8  | 810.1  | 808.8  | 814.1  | 816.7  | 816.7  | 820.7  | 826.0  |
| 30°    | 782.4  | 782.4  | 775.8  | 774.5  | 773.1  | 773.1  | 777.1  | 778.4  | 779.7  | 783.7  | 786.4  |
| 32.5°  | 745.4  | 744.1  | 741.4  | 742.7  | 741.4  | 742.7  | 742.7  | 744.1  | 746.7  | 748.0  | 753.3  |
| 35°    | 711.0  | 712.3  | 709.7  | 709.7  | 708.4  | 709.7  | 712.3  | 713.7  | 715.0  | 717.6  | 717.6  |
| 37.5°  | 678.0  | 680.6  | 679.3  | 683.3  | 683.3  | 683.3  | 683.3  | 685.9  | 685.9  | 685.9  | 684.6  |
| 40°    | 648.9  | 648.9  | 647.6  | 650.2  | 652.9  | 652.9  | 654.2  | 654.2  | 655.5  | 655.5  | 654.2  |
| 42.5°  | 615.9  | 618.5  | 622.5  | 623.8  | 626.4  | 625.1  | 629.1  | 627.8  | 629.1  | 626.4  | 623.8  |
| 45°    | 585.5  | 585.5  | 590.8  | 596.0  | 597.4  | 597.4  | 597.4  | 600.0  | 597.4  | 593.4  | 592.1  |
| 47.5°  | 552.4  | 555.1  | 557.7  | 564.3  | 565.6  | 565.6  | 565.6  | 565.6  | 563.0  | 563.0  | 563.0  |
| 50°    | 519.4  | 520.7  | 522.0  | 524.7  | 528.6  | 527.3  | 527.3  | 527.3  | 532.6  | 527.3  | 528.6  |
| 52.5°  | 479.7  | 481.1  | 482.4  | 487.7  | 486.3  | 486.3  | 487.7  | 487.7  | 491.6  | 490.3  | 487.7  |
| 55°    | 440.1  | 440.1  | 442.7  | 442.7  | 442.7  | 445.4  | 446.7  | 449.3  | 448.0  | 449.3  | 450.7  |
| 57.5°  | 400.4  | 397.8  | 396.5  | 396.5  | 400.4  | 399.1  | 400.4  | 400.4  | 405.7  | 408.4  | 409.7  |
| 60°    | 354.2  | 354.2  | 352.9  | 344.9  | 344.9  | 343.6  | 347.6  | 350.2  | 352.9  | 364.8  | 363.4  |
| 62.5°  | 306.6  | 301.3  | 296.0  | 297.4  | 289.4  | 293.4  | 290.8  | 293.4  | 301.3  | 310.6  | 311.9  |
| 65°    | 259.0  | 255.1  | 249.8  | 248.5  | 245.8  | 249.8  | 248.5  | 249.8  | 253.7  | 259.0  | 265.6  |
| 67.5°  | 216.7  | 215.4  | 212.8  | 211.5  | 211.5  | 211.5  | 214.1  | 214.1  | 215.4  | 219.4  | 223.4  |
| 70°    | 185.0  | 183.7  | 185.0  | 182.4  | 183.7  | 182.4  | 183.7  | 185.0  | 186.3  | 187.7  | 191.6  |
| 72.5°  | 155.9  | 155.9  | 155.9  | 153.3  | 155.9  | 154.6  | 154.6  | 155.9  | 157.3  | 158.6  | 161.2  |
| 75°    | 124.2  | 121.6  | 118.9  | 116.3  | 115.0  | 117.6  | 118.9  | 117.6  | 121.6  | 126.9  | 126.9  |
| 77.5°  | 93.8   | 92.5   | 92.5   | 92.5   | 93.8   | 92.5   | 95.2   | 93.8   | 95.2   | 95.2   | 97.8   |
| 80°    | 72.7   | 71.4   | 72.7   | 72.7   | 71.4   | 74.0   | 72.7   | 72.7   | 74.0   | 75.3   | 74.0   |
| 82.5°  | 52.9   | 54.2   | 52.9   | 52.9   | 52.9   | 55.5   | 52.9   | 52.9   | 52.9   | 54.2   | 54.2   |
| 85°    | 33.0   | 33.0   | 33.0   | 33.0   | 34.4   | 33.0   | 34.4   | 33.0   | 35.7   | 34.4   | 34.4   |
| 87.5°  | 11.9   | 13.2   | 14.5   | 14.5   | 14.5   | 14.5   | 13.2   | 14.5   | 15.9   | 14.5   | 15.9   |
| 90°    | 20.3   | 20.5   | 20.8   | 21.1   | 21.5   | 21.8   | 21.5   | 21.1   | 20.8   | 20.5   | 20.3   |
| 92.5°  | 34.1   | 34.2   | 34.3   | 34.5   | 34.6   | 34.8   | 34.6   | 34.5   | 34.3   | 34.2   | 34.1   |
| 95°    | 57.3   | 57.3   | 57.3   | 57.3   | 57.3   | 57.3   | 57.3   | 57.3   | 57.3   | 57.3   | 57.3   |
| 97.5°  | 84.2   | 84.2   | 84.2   | 84.2   | 84.2   | 84.2   | 84.2   | 84.2   | 84.2   | 84.2   | 84.2   |
| 100°   | 112.5  | 112.5  | 112.5  | 112.5  | 112.5  | 112.5  | 112.5  | 112.5  | 112.5  | 112.5  | 112.5  |
| 102.5° | 143.7  | 143.8  | 143.9  | 144.1  | 144.2  | 144.4  | 144.2  | 144.1  | 143.9  | 143.8  | 143.7  |
| 105°   | 174.9  | 175.1  | 175.6  | 176.1  | 176.6  | 177.1  | 176.6  | 176.1  | 175.6  | 175.1  | 174.9  |
| 107.5° | 209.0  | 208.9  | 208.8  | 208.6  | 208.5  | 208.3  | 208.5  | 208.6  | 208.8  | 208.9  | 209.0  |
| 110°   | 240.3  | 240.5  | 241.0  | 241.5  | 241.9  | 242.4  | 241.9  | 241.5  | 241.0  | 240.5  | 240.3  |

TEST NUMBER: P1032879

CATALOG NUMBER: S124RDIW-B1020D770UB2750-4F0-XX-W2A-A1\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 277.3  | 277.3 | 277.3 | 277.3 | 277.3 | 277.3 | 277.3 | 277.3 | 277.3 | 277.3 | 277.3  |
| 115°   | 314.3  | 314.2 | 314.1 | 313.9 | 313.8 | 313.6 | 313.8 | 313.9 | 314.1 | 314.2 | 314.3  |
| 117.5° | 349.1  | 348.9 | 348.4 | 347.9 | 347.4 | 346.9 | 347.4 | 347.9 | 348.4 | 348.9 | 349.1  |
| 120°   | 384.7  | 384.9 | 385.2 | 385.5 | 385.8 | 386.1 | 385.8 | 385.5 | 385.2 | 384.9 | 384.7  |
| 122.5° | 422.4  | 422.0 | 421.2 | 420.4 | 419.6 | 418.8 | 419.6 | 420.4 | 421.2 | 422.0 | 422.4  |
| 125°   | 458.7  | 458.5 | 458.2 | 457.9 | 457.6 | 457.3 | 457.6 | 457.9 | 458.2 | 458.5 | 458.7  |
| 127.5° | 492.8  | 492.7 | 492.6 | 492.4 | 492.3 | 492.1 | 492.3 | 492.4 | 492.6 | 492.7 | 492.8  |
| 130°   | 529.1  | 528.8 | 528.1 | 527.5 | 526.8 | 526.2 | 526.8 | 527.5 | 528.1 | 528.8 | 529.1  |
| 132.5° | 563.2  | 563.1 | 563.0 | 562.8 | 562.7 | 562.5 | 562.7 | 562.8 | 563.0 | 563.1 | 563.2  |
| 135°   | 597.4  | 597.2 | 596.7 | 596.2 | 595.7 | 595.2 | 595.7 | 596.2 | 596.7 | 597.2 | 597.4  |
| 137.5° | 630.0  | 630.1 | 630.2 | 630.4 | 630.5 | 630.7 | 630.5 | 630.4 | 630.2 | 630.1 | 630.0  |
| 140°   | 663.4  | 663.3 | 663.2 | 663.0 | 662.9 | 662.7 | 662.9 | 663.0 | 663.2 | 663.3 | 663.4  |
| 142.5° | 694.6  | 694.6 | 694.6 | 694.6 | 694.6 | 694.6 | 694.6 | 694.6 | 694.6 | 694.6 | 694.6  |
| 145°   | 725.1  | 724.9 | 724.4 | 723.9 | 723.4 | 722.9 | 723.4 | 723.9 | 724.4 | 724.9 | 725.1  |
| 147.5° | 753.4  | 753.3 | 753.2 | 753.0 | 752.9 | 752.7 | 752.9 | 753.0 | 753.2 | 753.3 | 753.4  |
| 150°   | 780.3  | 780.2 | 780.0 | 779.9 | 779.7 | 779.5 | 779.7 | 779.9 | 780.0 | 780.2 | 780.3  |
| 152.5° | 806.4  | 806.2 | 805.7 | 805.2 | 804.7 | 804.2 | 804.7 | 805.2 | 805.7 | 806.2 | 806.4  |
| 155°   | 829.6  | 829.3 | 828.6 | 828.0 | 827.3 | 826.7 | 827.3 | 828.0 | 828.6 | 829.3 | 829.6  |
| 157.5° | 849.9  | 849.7 | 849.2 | 848.7 | 848.3 | 847.8 | 848.3 | 848.7 | 849.2 | 849.7 | 849.9  |
| 160°   | 868.8  | 868.4 | 867.6 | 866.8 | 866.0 | 865.2 | 866.0 | 866.8 | 867.6 | 868.4 | 868.8  |
| 162.5° | 887.0  | 886.6 | 885.8 | 884.9 | 884.1 | 883.3 | 884.1 | 884.9 | 885.8 | 886.6 | 887.0  |
| 165°   | 901.5  | 901.2 | 900.5 | 899.9 | 899.2 | 898.6 | 899.2 | 899.9 | 900.5 | 901.2 | 901.5  |
| 167.5° | 914.5  | 914.0 | 913.1 | 912.1 | 911.2 | 910.2 | 911.2 | 912.1 | 913.1 | 914.0 | 914.5  |
| 170°   | 924.7  | 924.1 | 923.0 | 921.9 | 920.7 | 919.6 | 920.7 | 921.9 | 923.0 | 924.1 | 924.7  |
| 172.5° | 932.7  | 932.1 | 931.0 | 929.9 | 928.7 | 927.6 | 928.7 | 929.9 | 931.0 | 932.1 | 932.7  |
| 175°   | 937.8  | 937.2 | 936.1 | 935.0 | 933.8 | 932.7 | 933.8 | 935.0 | 936.1 | 937.2 | 937.8  |
| 177.5° | 941.4  | 940.8 | 939.5 | 938.2 | 936.9 | 935.6 | 936.9 | 938.2 | 939.5 | 940.8 | 941.4  |
| 180°   | 938.5  | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5  |

TEST NUMBER: P1032879

CATALOG NUMBER: S124RDIW-B1020D770UB2750-4F0-XX-W2A-A1\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 | 1640.1 |
| 2.5°   | 1552.9 | 1559.5 | 1556.8 | 1547.6 | 1551.6 | 1559.5 | 1567.4 | 1578.0 | 1584.6 | 1589.9 | 1592.5 |
| 5°     | 1461.7 | 1473.6 | 1470.9 | 1470.9 | 1476.2 | 1489.4 | 1502.7 | 1525.1 | 1533.1 | 1542.3 | 1555.5 |
| 7.5°   | 1381.1 | 1390.3 | 1398.3 | 1400.9 | 1408.8 | 1426.0 | 1443.2 | 1468.3 | 1488.1 | 1498.7 | 1506.6 |
| 10°    | 1309.7 | 1316.3 | 1328.2 | 1334.8 | 1342.7 | 1363.9 | 1389.0 | 1415.4 | 1435.3 | 1453.8 | 1464.3 |
| 12.5°  | 1218.5 | 1244.9 | 1260.8 | 1271.4 | 1282.0 | 1313.7 | 1333.5 | 1362.6 | 1386.4 | 1403.5 | 1419.4 |
| 15°    | 1116.8 | 1148.5 | 1157.7 | 1198.7 | 1225.1 | 1250.2 | 1280.6 | 1315.0 | 1337.5 | 1357.3 | 1378.4 |
| 17.5°  | 1030.8 | 1053.3 | 1063.9 | 1107.5 | 1130.0 | 1169.6 | 1213.2 | 1256.8 | 1291.2 | 1305.7 | 1326.9 |
| 20°    | 976.7  | 988.6  | 1009.7 | 1024.2 | 1048.0 | 1094.3 | 1141.9 | 1194.7 | 1246.3 | 1260.8 | 1282.0 |
| 22.5°  | 921.2  | 937.0  | 951.6  | 971.4  | 989.9  | 1021.6 | 1069.2 | 1127.3 | 1182.8 | 1209.3 | 1234.4 |
| 25°    | 870.9  | 886.8  | 896.0  | 917.2  | 934.4  | 966.1  | 999.1  | 1058.6 | 1124.7 | 1147.2 | 1186.8 |
| 27.5°  | 831.3  | 840.5  | 856.4  | 865.6  | 885.5  | 914.5  | 944.9  | 989.9  | 1054.6 | 1093.0 | 1131.3 |
| 30°    | 791.6  | 798.2  | 811.5  | 824.7  | 839.2  | 859.0  | 893.4  | 937.0  | 996.5  | 1029.5 | 1067.9 |
| 32.5°  | 752.0  | 762.6  | 770.5  | 779.7  | 795.6  | 819.4  | 843.2  | 885.5  | 933.1  | 970.1  | 1008.4 |
| 35°    | 719.0  | 722.9  | 733.5  | 744.1  | 754.6  | 775.8  | 800.9  | 841.9  | 884.2  | 913.2  | 947.6  |
| 37.5°  | 683.3  | 689.9  | 697.8  | 701.8  | 719.0  | 732.2  | 758.6  | 790.3  | 840.5  | 859.0  | 893.4  |
| 40°    | 655.5  | 654.2  | 662.1  | 668.7  | 676.7  | 697.8  | 713.7  | 748.0  | 787.7  | 816.7  | 837.9  |
| 42.5°  | 621.2  | 621.2  | 623.8  | 631.7  | 642.3  | 655.5  | 674.0  | 703.1  | 744.1  | 765.2  | 790.3  |
| 45°    | 593.4  | 589.4  | 590.8  | 596.0  | 602.7  | 615.9  | 634.4  | 659.5  | 700.4  | 717.6  | 744.1  |
| 47.5°  | 560.4  | 556.4  | 556.4  | 561.7  | 567.0  | 576.2  | 590.8  | 619.8  | 652.9  | 675.3  | 695.2  |
| 50°    | 523.4  | 524.7  | 523.4  | 527.3  | 530.0  | 539.2  | 555.1  | 578.9  | 609.3  | 627.8  | 650.2  |
| 52.5°  | 489.0  | 486.3  | 485.0  | 487.7  | 493.0  | 499.6  | 516.7  | 537.9  | 567.0  | 585.5  | 605.3  |
| 55°    | 446.7  | 449.3  | 449.3  | 449.3  | 457.3  | 459.9  | 473.1  | 494.3  | 523.4  | 537.9  | 556.4  |
| 57.5°  | 408.4  | 407.1  | 409.7  | 408.4  | 415.0  | 424.2  | 434.8  | 450.7  | 479.7  | 494.3  | 511.5  |
| 60°    | 366.1  | 367.4  | 368.7  | 368.7  | 374.0  | 383.3  | 395.2  | 409.7  | 433.5  | 448.0  | 463.9  |
| 62.5°  | 314.5  | 321.1  | 327.8  | 330.4  | 338.3  | 344.9  | 352.9  | 368.7  | 389.9  | 400.4  | 415.0  |
| 65°    | 265.6  | 274.9  | 284.1  | 290.8  | 296.0  | 302.6  | 313.2  | 327.8  | 344.9  | 355.5  | 370.0  |
| 67.5°  | 223.4  | 230.0  | 241.9  | 248.5  | 259.0  | 267.0  | 273.6  | 285.5  | 306.6  | 310.6  | 322.5  |
| 70°    | 193.0  | 195.6  | 200.9  | 206.2  | 218.1  | 224.7  | 232.6  | 244.5  | 260.4  | 269.6  | 276.2  |
| 72.5°  | 162.6  | 163.9  | 166.5  | 171.8  | 177.1  | 185.0  | 194.3  | 204.8  | 219.4  | 223.4  | 232.6  |
| 75°    | 129.5  | 137.4  | 137.4  | 141.4  | 145.4  | 149.3  | 157.3  | 167.8  | 177.1  | 183.7  | 189.0  |
| 77.5°  | 96.5   | 100.4  | 103.1  | 109.7  | 115.0  | 118.9  | 124.2  | 132.2  | 137.4  | 142.7  | 146.7  |
| 80°    | 75.3   | 76.7   | 78.0   | 78.0   | 80.6   | 85.9   | 91.2   | 96.5   | 103.1  | 105.7  | 109.7  |
| 82.5°  | 55.5   | 55.5   | 55.5   | 58.2   | 59.5   | 60.8   | 60.8   | 63.4   | 70.0   | 72.7   | 76.7   |
| 85°    | 35.7   | 35.7   | 35.7   | 35.7   | 37.0   | 38.3   | 39.6   | 41.0   | 41.0   | 41.0   | 43.6   |
| 87.5°  | 14.5   | 17.2   | 15.9   | 17.2   | 17.2   | 17.2   | 17.2   | 18.5   | 18.5   | 19.8   | 19.8   |
| 90°    | 19.8   | 18.9   | 17.9   | 17.0   | 16.0   | 14.7   | 13.4   | 12.1   | 10.8   | 10.2   | 9.3    |
| 92.5°  | 33.9   | 33.4   | 32.9   | 32.4   | 31.9   | 31.1   | 30.3   | 29.5   | 28.7   | 28.3   | 27.3   |
| 95°    | 57.1   | 56.6   | 56.1   | 55.7   | 55.2   | 54.1   | 52.9   | 51.8   | 50.7   | 50.1   | 49.4   |
| 97.5°  | 83.9   | 83.2   | 82.6   | 81.9   | 81.3   | 80.0   | 78.7   | 77.4   | 76.1   | 75.5   | 74.9   |
| 100°   | 112.3  | 112.0  | 111.7  | 111.4  | 111.1  | 109.6  | 108.2  | 106.7  | 105.2  | 104.5  | 104.2  |
| 102.5° | 143.5  | 143.0  | 142.5  | 142.0  | 141.5  | 140.2  | 138.9  | 137.6  | 136.3  | 135.7  | 135.6  |
| 105°   | 174.7  | 174.2  | 173.7  | 173.2  | 172.7  | 172.1  | 171.4  | 170.8  | 170.1  | 169.8  | 169.7  |
| 107.5° | 208.7  | 208.0  | 207.4  | 206.7  | 206.1  | 205.9  | 205.8  | 205.6  | 205.5  | 205.4  | 205.3  |
| 110°   | 240.5  | 240.8  | 241.1  | 241.4  | 241.7  | 241.9  | 242.0  | 242.2  | 242.3  | 242.4  | 242.2  |

TEST NUMBER: P1032879

CATALOG NUMBER: S124RDIW-B1020D770UB2750-4F0-XX-W2A-A1\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 277.3 | 277.3 | 277.3 | 277.3 | 277.3 | 277.6 | 277.9 | 278.2 | 278.5 | 278.7  | 278.7 |
| 115°   | 314.4 | 314.5 | 314.7 | 314.8 | 315.0 | 315.3 | 315.7 | 316.0 | 316.3 | 316.5  | 316.5 |
| 117.5° | 349.3 | 349.8 | 350.3 | 350.8 | 351.3 | 351.5 | 351.6 | 351.8 | 351.9 | 352.0  | 352.0 |
| 120°   | 385.1 | 385.9 | 386.7 | 387.5 | 388.3 | 388.8 | 389.3 | 389.8 | 390.3 | 390.5  | 390.2 |
| 122.5° | 422.6 | 423.1 | 423.6 | 424.1 | 424.6 | 424.8 | 424.9 | 425.1 | 425.2 | 425.3  | 425.2 |
| 125°   | 458.9 | 459.2 | 459.5 | 459.9 | 460.2 | 460.4 | 460.5 | 460.7 | 460.8 | 460.9  | 460.9 |
| 127.5° | 493.0 | 493.3 | 493.6 | 494.0 | 494.3 | 494.6 | 494.9 | 495.2 | 495.5 | 495.7  | 495.5 |
| 130°   | 529.3 | 529.6 | 529.9 | 530.3 | 530.6 | 530.6 | 530.6 | 530.6 | 530.6 | 530.6  | 530.4 |
| 132.5° | 563.4 | 563.7 | 564.0 | 564.4 | 564.7 | 564.9 | 565.0 | 565.2 | 565.3 | 565.4  | 565.2 |
| 135°   | 597.6 | 597.9 | 598.2 | 598.5 | 598.8 | 598.8 | 598.8 | 598.8 | 598.8 | 598.8  | 598.3 |
| 137.5° | 630.2 | 630.7 | 631.2 | 631.7 | 632.2 | 631.9 | 631.5 | 631.2 | 630.9 | 630.7  | 630.5 |
| 140°   | 663.5 | 663.6 | 663.8 | 663.9 | 664.1 | 664.1 | 664.1 | 664.1 | 664.1 | 664.1  | 663.9 |
| 142.5° | 694.6 | 694.6 | 694.6 | 694.6 | 694.6 | 694.8 | 694.9 | 695.1 | 695.2 | 695.3  | 695.1 |
| 145°   | 725.2 | 725.3 | 725.5 | 725.6 | 725.8 | 725.6 | 725.5 | 725.3 | 725.2 | 725.1  | 724.8 |
| 147.5° | 753.5 | 753.6 | 753.8 | 753.9 | 754.1 | 754.3 | 754.5 | 754.6 | 754.8 | 754.9  | 754.5 |
| 150°   | 780.3 | 780.3 | 780.3 | 780.3 | 780.3 | 780.3 | 780.3 | 780.3 | 780.3 | 780.3  | 780.0 |
| 152.5° | 806.2 | 805.7 | 805.2 | 804.7 | 804.2 | 804.0 | 803.9 | 803.7 | 803.6 | 803.5  | 803.3 |
| 155°   | 829.3 | 828.6 | 828.0 | 827.3 | 826.7 | 826.9 | 827.0 | 827.2 | 827.3 | 827.4  | 827.4 |
| 157.5° | 849.7 | 849.2 | 848.7 | 848.3 | 847.8 | 847.8 | 847.8 | 847.8 | 847.8 | 847.8  | 848.0 |
| 160°   | 868.6 | 868.1 | 867.6 | 867.1 | 866.6 | 866.8 | 867.0 | 867.1 | 867.3 | 867.4  | 867.5 |
| 162.5° | 886.5 | 885.5 | 884.6 | 883.6 | 882.6 | 882.8 | 882.9 | 883.1 | 883.2 | 883.3  | 883.5 |
| 165°   | 901.0 | 900.0 | 899.1 | 898.1 | 897.1 | 897.4 | 897.8 | 898.1 | 898.4 | 898.6  | 898.8 |
| 167.5° | 914.0 | 913.1 | 912.1 | 911.2 | 910.2 | 910.2 | 910.2 | 910.2 | 910.2 | 910.2  | 910.5 |
| 170°   | 924.2 | 923.3 | 922.3 | 921.4 | 920.4 | 920.2 | 920.0 | 919.9 | 919.7 | 919.6  | 920.0 |
| 172.5° | 932.1 | 931.0 | 929.9 | 928.7 | 927.6 | 927.6 | 927.6 | 927.6 | 927.6 | 927.6  | 927.9 |
| 175°   | 937.2 | 936.1 | 935.0 | 933.8 | 932.7 | 932.9 | 933.0 | 933.2 | 933.3 | 933.4  | 933.8 |
| 177.5° | 940.8 | 939.7 | 938.6 | 937.4 | 936.3 | 936.3 | 936.3 | 936.3 | 936.3 | 936.3  | 936.7 |
| 180°   | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5 | 938.5  | 938.5 |

TEST NUMBER: P1032879

CATALOG NUMBER: S124RDIW-B1020D770UB2750-4F0-XX-W2A-A1\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1640.1 | 1640.1 | 1640.1 | 1640.1 |
| 2.5°   | 1603.1 | 1611.0 | 1624.2 | 1642.8 |
| 5°     | 1566.1 | 1588.6 | 1609.7 | 1637.5 |
| 7.5°   | 1533.1 | 1559.5 | 1588.6 | 1628.2 |
| 10°    | 1494.7 | 1527.8 | 1564.8 | 1613.7 |
| 12.5°  | 1449.8 | 1496.1 | 1538.3 | 1591.2 |
| 15°    | 1416.8 | 1451.1 | 1505.3 | 1567.4 |
| 17.5°  | 1370.5 | 1416.8 | 1470.9 | 1541.0 |
| 20°    | 1326.9 | 1375.8 | 1436.6 | 1509.3 |
| 22.5°  | 1280.6 | 1336.1 | 1396.9 | 1474.9 |
| 25°    | 1233.1 | 1292.5 | 1353.3 | 1436.6 |
| 27.5°  | 1189.4 | 1243.6 | 1312.4 | 1396.9 |
| 30°    | 1136.6 | 1198.7 | 1264.8 | 1353.3 |
| 32.5°  | 1085.0 | 1149.8 | 1217.2 | 1305.7 |
| 35°    | 1029.5 | 1094.3 | 1168.3 | 1252.9 |
| 37.5°  | 975.3  | 1046.7 | 1114.1 | 1196.0 |
| 40°    | 915.9  | 989.9  | 1059.9 | 1143.2 |
| 42.5°  | 857.7  | 934.4  | 1004.4 | 1075.8 |
| 45°    | 803.5  | 878.9  | 942.3  | 1009.7 |
| 47.5°  | 752.0  | 819.4  | 884.2  | 944.9  |
| 50°    | 701.8  | 758.6  | 818.1  | 868.3  |
| 52.5°  | 648.9  | 703.1  | 750.7  | 795.6  |
| 55°    | 601.3  | 643.6  | 685.9  | 726.9  |
| 57.5°  | 544.5  | 586.8  | 623.8  | 655.5  |
| 60°    | 496.9  | 523.4  | 559.0  | 592.1  |
| 62.5°  | 442.7  | 473.1  | 500.9  | 522.0  |
| 65°    | 389.9  | 416.3  | 437.5  | 456.0  |
| 67.5°  | 344.9  | 360.8  | 376.7  | 396.5  |
| 70°    | 290.8  | 304.0  | 322.5  | 337.0  |
| 72.5°  | 244.5  | 255.1  | 264.3  | 281.5  |
| 75°    | 198.2  | 207.5  | 212.8  | 228.6  |
| 77.5°  | 153.3  | 162.6  | 166.5  | 175.8  |
| 80°    | 117.6  | 118.9  | 124.2  | 132.2  |
| 82.5°  | 80.6   | 83.3   | 84.6   | 91.2   |
| 85°    | 46.3   | 52.9   | 51.5   | 54.2   |
| 87.5°  | 19.8   | 21.1   | 23.8   | 26.4   |
| 90°    | 7.5    | 5.8    | 4.0    | 2.2    |
| 92.5°  | 25.2   | 23.1   | 21.0   | 18.9   |
| 95°    | 47.9   | 46.4   | 45.0   | 43.5   |
| 97.5°  | 73.6   | 72.3   | 71.0   | 69.7   |
| 100°   | 103.5  | 102.9  | 102.2  | 101.6  |
| 102.5° | 135.5  | 135.3  | 135.2  | 135.0  |
| 105°   | 169.6  | 169.4  | 169.3  | 169.1  |
| 107.5° | 205.2  | 205.0  | 204.9  | 204.7  |
| 110°   | 241.9  | 241.6  | 241.3  | 241.0  |

TEST NUMBER: P1032879

CATALOG NUMBER: S124RDIW-B1020D770UB2750-4F0-XX-W2A-A1\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 278.7 | 278.7 | 278.7 | 278.7 |
| 115°   | 316.5 | 316.5 | 316.5 | 316.5 |
| 117.5° | 352.0 | 352.0 | 352.0 | 352.0 |
| 120°   | 389.5 | 388.9 | 388.2 | 387.6 |
| 122.5° | 425.1 | 424.9 | 424.8 | 424.6 |
| 125°   | 460.9 | 460.9 | 460.9 | 460.9 |
| 127.5° | 495.0 | 494.5 | 494.1 | 493.6 |
| 130°   | 529.9 | 529.4 | 528.9 | 528.4 |
| 132.5° | 564.9 | 564.6 | 564.3 | 564.0 |
| 135°   | 597.4 | 596.4 | 595.5 | 594.5 |
| 137.5° | 630.0 | 629.5 | 629.1 | 628.6 |
| 140°   | 663.6 | 663.3 | 663.0 | 662.7 |
| 142.5° | 694.8 | 694.5 | 694.2 | 693.9 |
| 145°   | 724.1 | 723.5 | 722.8 | 722.2 |
| 147.5° | 753.7 | 752.8 | 752.0 | 751.2 |
| 150°   | 779.3 | 778.7 | 778.0 | 777.4 |
| 152.5° | 803.0 | 802.7 | 802.3 | 802.0 |
| 155°   | 827.4 | 827.4 | 827.4 | 827.4 |
| 157.5° | 848.3 | 848.6 | 848.9 | 849.2 |
| 160°   | 867.6 | 867.8 | 867.9 | 868.1 |
| 162.5° | 884.0 | 884.5 | 885.0 | 885.5 |
| 165°   | 899.3 | 899.8 | 900.3 | 900.8 |
| 167.5° | 911.2 | 911.8 | 912.5 | 913.1 |
| 170°   | 920.8 | 921.7 | 922.5 | 923.3 |
| 172.5° | 928.6 | 929.2 | 929.9 | 930.5 |
| 175°   | 934.6 | 935.4 | 936.2 | 937.0 |
| 177.5° | 937.5 | 938.4 | 939.2 | 940.0 |
| 180°   | 938.5 | 938.5 | 938.5 | 938.5 |

(END OF REPORT)