

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: P1008504

Luminaire Tested: S122RDIP-B865D330UB2750-4F0-XX-W2A-A\_2700K

Issue Date: 5/6/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1008504  
REPORT IS A COMBINATION OF REPORTS P988664 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S122RDIP-B865D330UB2750-4F0-XX-W2A-A\_2700K  
Description: Define 2 Regressed Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473}  
{m-EER=0.52}  
Light Source: -  
Ballast/Driver: -

**Summary**

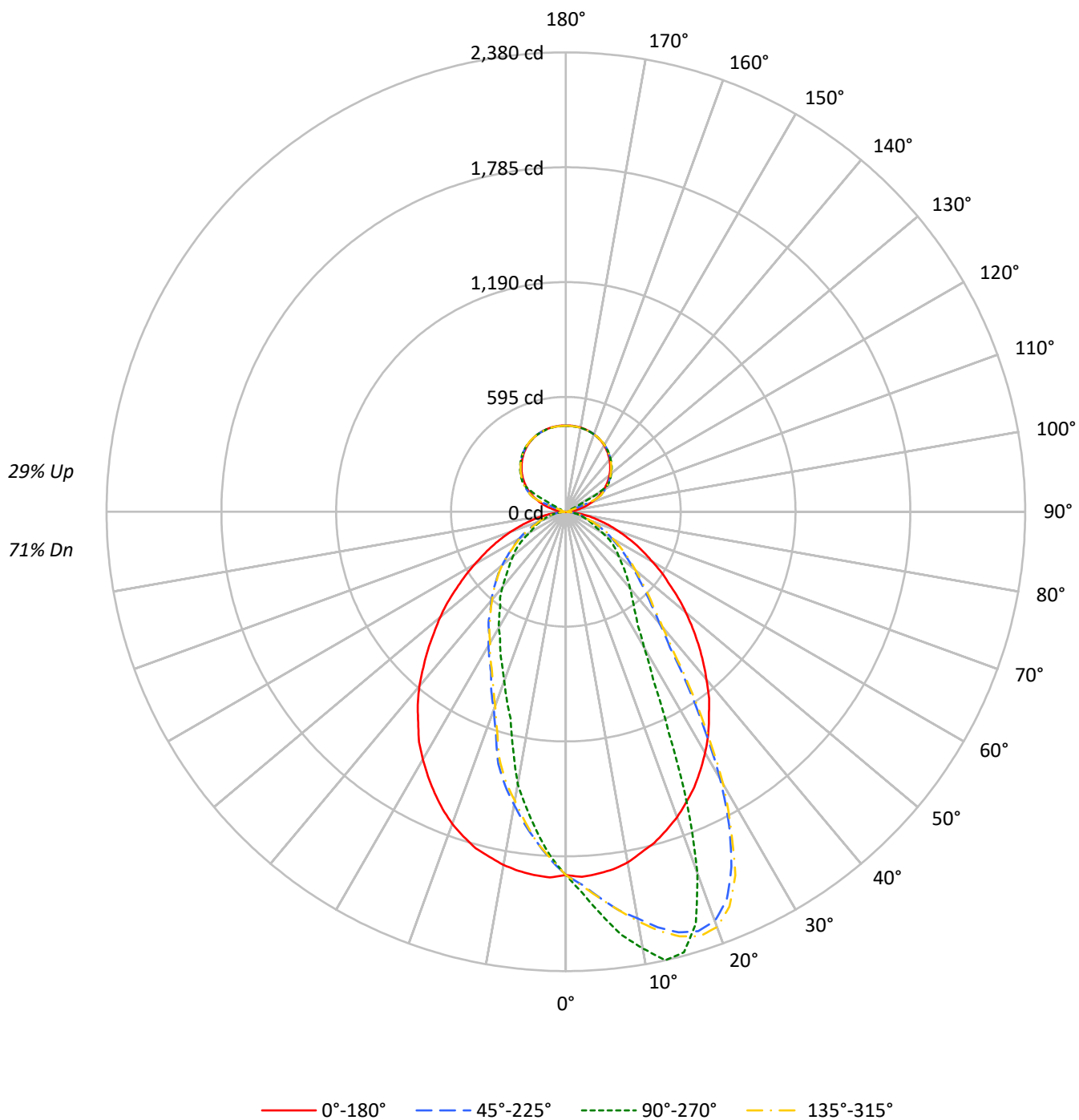
Lumens per Lamp: N/A  
Luminaire Lumens: 4559.0 lumens  
Efficiency: N/A  
Efficacy: 81.3 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 56.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



TEST NUMBER: P1008504

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    |
| RC  | 80  |     |     |     | 70  |     |     |     | 50 |    |    |    | 30 |    |    |    | 10 |    |    | 0  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 95 | 95 | 95 | 85 | 85 | 85 | 76 | 76 | 76 | 71 |    |    |
| 1   | 104 | 100 | 96  | 93  | 98  | 95  | 91  | 89  | 85 | 83 | 81 | 77 | 75 | 73 | 69 | 67 | 66 | 62 |    |    |
| 2   | 95  | 88  | 83  | 78  | 90  | 84  | 79  | 75  | 76 | 72 | 69 | 69 | 66 | 63 | 62 | 60 | 58 | 54 |    |    |
| 3   | 88  | 79  | 72  | 66  | 83  | 75  | 69  | 64  | 68 | 63 | 59 | 62 | 58 | 55 | 56 | 53 | 50 | 47 |    |    |
| 4   | 81  | 71  | 63  | 57  | 77  | 68  | 61  | 56  | 62 | 56 | 52 | 56 | 52 | 48 | 51 | 47 | 45 | 42 |    |    |
| 5   | 75  | 64  | 56  | 50  | 71  | 61  | 54  | 49  | 56 | 50 | 46 | 51 | 46 | 43 | 47 | 43 | 40 | 37 |    |    |
| 6   | 70  | 58  | 50  | 45  | 66  | 56  | 49  | 43  | 51 | 45 | 41 | 47 | 42 | 38 | 43 | 39 | 36 | 33 |    |    |
| 7   | 65  | 53  | 45  | 40  | 62  | 51  | 44  | 39  | 47 | 41 | 37 | 43 | 38 | 35 | 40 | 36 | 32 | 30 |    |    |
| 8   | 61  | 49  | 41  | 36  | 58  | 47  | 40  | 35  | 43 | 37 | 33 | 40 | 35 | 31 | 37 | 33 | 30 | 27 |    |    |
| 9   | 57  | 45  | 38  | 33  | 54  | 43  | 36  | 32  | 40 | 34 | 30 | 37 | 32 | 29 | 34 | 30 | 27 | 25 |    |    |
| 10  | 53  | 42  | 35  | 30  | 51  | 40  | 34  | 29  | 37 | 32 | 28 | 35 | 30 | 26 | 32 | 28 | 25 | 23 |    |    |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 29788 | 29788 | 29788 | 29788 |
| 5°  | 29857 | 31640 | 29961 | 25276 |
| 10° | 29529 | 33442 | 29738 | 20873 |
| 15° | 28888 | 33453 | 29378 | 15680 |
| 20° | 28116 | 27652 | 28729 | 12937 |
| 25° | 27183 | 17278 | 27770 | 11005 |
| 30° | 25989 | 11063 | 26695 | 9475  |
| 35° | 24537 | 8502  | 25333 | 8108  |
| 40° | 22921 | 7146  | 23900 | 7092  |
| 45° | 21191 | 6082  | 22078 | 5954  |
| 50° | 19420 | 5168  | 20326 | 5150  |
| 55° | 17459 | 4492  | 18399 | 4432  |
| 60° | 15715 | 3425  | 16547 | 3384  |
| 65° | 14085 | 2577  | 14924 | 2923  |
| 70° | 12291 | 2059  | 13252 | 2383  |
| 75° | 10388 | 1577  | 11339 | 1803  |
| 80° | 8247  | 1072  | 8878  | 1181  |
| 85° | 5721  | 553   | 6286  | 583   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 27250 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 178.5  | 3.9       |
| 10°-20°   | 498.2  | 10.9      |
| 20°-30°   | 641.2  | 14.1      |
| 30°-40°   | 608.3  | 13.3      |
| 40°-50°   | 521.3  | 11.4      |
| 50°-60°   | 397.0  | 8.7       |
| 60°-70°   | 250.4  | 5.5       |
| 70°-80°   | 124.9  | 2.7       |
| 80°-90°   | 32.9   | 0.7       |
| 90°-100°  | 14.7   | 0.3       |
| 100°-110° | 54.8   | 1.2       |
| 110°-120° | 145.3  | 3.2       |
| 120°-130° | 240.9  | 5.3       |
| 130°-140° | 255.9  | 5.6       |
| 140°-150° | 237.8  | 5.2       |
| 150°-160° | 191.2  | 4.2       |
| 160°-170° | 123.2  | 2.7       |
| 170°-180° | 42.4   | 0.9       |
| 0°-30°    | 1317.9 | 28.9      |
| 0°-40°    | 1926.2 | 42.3      |
| 0°-60°    | 2844.6 | 62.4      |
| 0°-90°    | 3252.8 | 71.3      |
| 90°-120°  | 214.7  | 4.7       |
| 90°-150°  | 949.4  | 20.8      |
| 90°-180°  | 1306.0 | 28.6      |
| 0°-180°   | 4559.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1882 | 1882 | 1882 | 1882 | 1882 |      |
| 5°   | 1883 | 2094 | 1890 | 1673 | 1883 | 179  |
| 15°  | 1775 | 2363 | 1805 | 1108 | 1775 | 499  |
| 25°  | 1574 | 1261 | 1608 | 803  | 1574 | 723  |
| 35°  | 1292 | 621  | 1334 | 592  | 1292 | 808  |
| 45°  | 970  | 432  | 1011 | 422  | 970  | 749  |
| 55°  | 655  | 300  | 690  | 296  | 655  | 590  |
| 65°  | 396  | 156  | 420  | 176  | 396  | 393  |
| 75°  | 186  | 82   | 203  | 94   | 186  | 201  |
| 85°  | 40   | 24   | 44   | 25   | 40   | 46   |
| 90°  | 0    | 9    | 0    | 9    | 0    | 4    |
| 95°  | 21   | 14   | 21   | 14   | 21   | 25   |
| 105° | 98   | 24   | 98   | 24   | 98   | 105  |
| 115° | 185  | 26   | 185  | 26   | 185  | 183  |
| 125° | 262  | 276  | 262  | 276  | 262  | 234  |
| 135° | 324  | 335  | 324  | 335  | 324  | 251  |
| 145° | 376  | 382  | 376  | 382  | 376  | 235  |
| 155° | 414  | 415  | 414  | 415  | 414  | 191  |
| 165° | 436  | 436  | 436  | 436  | 436  | 123  |
| 175° | 446  | 444  | 446  | 444  | 446  | 42   |
| 180° | 446  | 446  | 446  | 446  | 446  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 |
| 2.5°   | 1893.6 | 1901.4 | 1905.3 | 1910.6 | 1922.3 | 1930.2 | 1942.0 | 1944.6 | 1943.3 | 1948.5 | 1934.1 |
| 5°     | 1883.1 | 1900.1 | 1915.8 | 1928.9 | 1949.8 | 1962.9 | 1977.3 | 1994.3 | 1998.2 | 2017.8 | 2006.0 |
| 7.5°   | 1868.7 | 1893.6 | 1915.8 | 1942.0 | 1973.3 | 1990.4 | 2012.6 | 2038.7 | 2050.5 | 2074.0 | 2080.6 |
| 10°    | 1845.2 | 1880.5 | 1918.4 | 1945.9 | 1989.0 | 2019.1 | 2040.0 | 2081.9 | 2109.4 | 2144.7 | 2139.4 |
| 12.5°  | 1807.3 | 1853.0 | 1904.0 | 1949.8 | 2006.0 | 2025.7 | 2064.9 | 2108.0 | 2143.4 | 2176.0 | 2204.8 |
| 15°    | 1774.6 | 1826.9 | 1883.1 | 1939.3 | 2003.4 | 2040.0 | 2079.3 | 2135.5 | 2173.4 | 2231.0 | 2255.8 |
| 17.5°  | 1730.1 | 1796.8 | 1863.5 | 1926.3 | 2002.1 | 2044.0 | 2092.4 | 2147.3 | 2203.5 | 2258.4 | 2278.0 |
| 20°    | 1684.3 | 1756.3 | 1828.2 | 1913.2 | 1999.5 | 2040.0 | 2089.7 | 2157.7 | 2212.7 | 2255.8 | 2255.8 |
| 22.5°  | 1629.4 | 1717.0 | 1799.4 | 1880.5 | 1974.7 | 2033.5 | 2084.5 | 2164.3 | 2203.5 | 2212.7 | 2177.4 |
| 25°    | 1574.5 | 1662.1 | 1752.3 | 1853.0 | 1960.3 | 2012.6 | 2070.1 | 2144.7 | 2157.7 | 2121.1 | 2029.6 |
| 27.5°  | 1509.1 | 1607.2 | 1709.2 | 1817.7 | 1930.2 | 1995.6 | 2047.9 | 2097.6 | 2072.7 | 1974.7 | 1832.1 |
| 30°    | 1442.4 | 1548.3 | 1663.4 | 1766.7 | 1902.7 | 1962.9 | 2007.4 | 2021.7 | 1943.3 | 1783.7 | 1599.3 |
| 32.5°  | 1373.1 | 1476.4 | 1598.0 | 1722.3 | 1859.6 | 1917.1 | 1945.9 | 1908.0 | 1764.1 | 1562.7 | 1337.8 |
| 35°    | 1292.0 | 1408.4 | 1535.3 | 1664.7 | 1800.7 | 1843.9 | 1860.9 | 1768.0 | 1583.6 | 1323.4 | 1099.8 |
| 37.5°  | 1218.8 | 1335.2 | 1471.2 | 1603.3 | 1735.3 | 1758.9 | 1741.9 | 1596.7 | 1362.6 | 1105.0 | 886.6  |
| 40°    | 1132.5 | 1256.7 | 1390.1 | 1537.9 | 1646.4 | 1653.0 | 1611.1 | 1422.8 | 1132.5 | 890.6  | 755.9  |
| 42.5°  | 1052.7 | 1178.3 | 1311.6 | 1462.0 | 1544.4 | 1522.2 | 1466.0 | 1218.8 | 945.5  | 767.6  | 659.1  |
| 45°    | 970.3  | 1089.3 | 1233.2 | 1366.6 | 1425.4 | 1373.1 | 1288.1 | 1025.3 | 793.8  | 660.4  | 576.7  |
| 47.5°  | 890.6  | 1001.7 | 1144.3 | 1272.4 | 1282.9 | 1224.0 | 1123.3 | 859.2  | 687.9  | 580.6  | 512.6  |
| 50°    | 812.1  | 923.3  | 1056.6 | 1162.6 | 1152.1 | 1071.0 | 957.3  | 746.7  | 597.6  | 512.6  | 456.4  |
| 52.5°  | 733.6  | 834.3  | 963.8  | 1047.5 | 1003.0 | 924.6  | 812.1  | 632.9  | 521.8  | 447.2  | 404.1  |
| 55°    | 655.2  | 749.3  | 860.5  | 929.8  | 859.2  | 768.9  | 689.2  | 542.7  | 452.5  | 392.3  | 359.6  |
| 57.5°  | 589.8  | 664.3  | 766.3  | 808.2  | 723.2  | 652.6  | 583.2  | 466.9  | 392.3  | 349.2  | 311.2  |
| 60°    | 517.9  | 585.9  | 669.6  | 694.4  | 606.8  | 549.2  | 490.4  | 394.9  | 336.1  | 298.2  | 273.3  |
| 62.5°  | 456.4  | 512.6  | 576.7  | 576.7  | 499.5  | 456.4  | 411.9  | 330.9  | 282.5  | 252.4  | 240.6  |
| 65°    | 396.2  | 436.8  | 482.5  | 477.3  | 411.9  | 374.0  | 338.7  | 273.3  | 236.7  | 215.8  | 204.0  |
| 67.5°  | 337.4  | 368.8  | 398.9  | 380.5  | 333.5  | 300.8  | 268.1  | 221.0  | 196.2  | 181.8  | 166.1  |
| 70°    | 283.8  | 308.6  | 324.3  | 307.3  | 260.2  | 232.8  | 209.2  | 177.8  | 158.2  | 139.9  | 130.8  |
| 72.5°  | 238.0  | 248.5  | 253.7  | 232.8  | 193.5  | 177.8  | 160.8  | 138.6  | 121.6  | 112.5  | 109.8  |
| 75°    | 185.7  | 194.9  | 190.9  | 175.2  | 142.5  | 130.8  | 117.7  | 102.0  | 98.1   | 92.8   | 90.2   |
| 77.5°  | 145.2  | 145.2  | 138.6  | 124.2  | 102.0  | 92.8   | 87.6   | 79.8   | 75.8   | 74.5   | 71.9   |
| 80°    | 103.3  | 102.0  | 98.1   | 82.4   | 69.3   | 64.1   | 64.1   | 58.8   | 57.5   | 54.9   | 54.9   |
| 82.5°  | 68.0   | 68.0   | 62.8   | 49.7   | 45.8   | 44.5   | 43.2   | 40.5   | 40.5   | 39.2   | 39.2   |
| 85°    | 40.5   | 37.9   | 31.4   | 27.5   | 26.2   | 26.2   | 24.8   | 23.5   | 24.8   | 23.5   | 23.5   |
| 87.5°  | 18.3   | 14.4   | 10.5   | 10.5   | 10.5   | 10.5   | 10.5   | 10.5   | 10.5   | 10.5   | 10.5   |
| 90°    | 0.3    | 1.1    | 1.9    | 2.7    | 3.5    | 3.9    | 4.2    | 4.7    | 5.3    | 5.8    | 6.4    |
| 92.5°  | 8.1    | 7.8    | 7.5    | 7.2    | 6.9    | 6.8    | 6.9    | 7.1    | 7.3    | 7.5    | 7.7    |
| 95°    | 21.0   | 18.6   | 16.2   | 13.9   | 11.5   | 10.3   | 10.6   | 11.1   | 11.6   | 12.1   | 12.6   |
| 97.5°  | 37.7   | 31.8   | 26.0   | 20.1   | 14.2   | 11.3   | 11.9   | 13.0   | 14.1   | 15.3   | 16.4   |
| 100°   | 57.1   | 47.3   | 37.5   | 27.6   | 17.8   | 12.9   | 13.5   | 14.7   | 16.0   | 17.2   | 18.4   |
| 102.5° | 78.3   | 78.2   | 78.0   | 77.9   | 77.8   | 77.7   | 71.2   | 58.1   | 45.1   | 32.0   | 19.0   |
| 105°   | 98.0   | 100.2  | 102.3  | 104.5  | 106.6  | 107.7  | 97.9   | 78.4   | 58.8   | 39.3   | 19.7   |
| 107.5° | 120.9  | 122.7  | 124.5  | 126.3  | 128.1  | 129.0  | 116.9  | 92.8   | 68.6   | 44.5   | 20.3   |
| 110°   | 142.8  | 144.3  | 145.8  | 147.3  | 148.8  | 149.6  | 139.2  | 118.5  | 97.8   | 77.1   | 56.4   |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 163.5 | 164.8 | 166.1 | 167.4 | 168.7 | 169.3 | 168.7 | 167.5 | 166.2 | 165.0 | 163.8 |
| 115°   | 185.4 | 186.6 | 187.8 | 189.1 | 190.3 | 190.9 | 191.8 | 193.6 | 195.3 | 197.1 | 198.9 |
| 117.5° | 204.4 | 205.8 | 207.2 | 208.7 | 210.1 | 210.8 | 211.4 | 212.6 | 213.9 | 215.1 | 216.3 |
| 120°   | 225.7 | 226.8 | 227.8 | 228.9 | 230.0 | 230.5 | 231.1 | 232.4 | 233.7 | 235.0 | 236.3 |
| 122.5° | 243.7 | 244.9 | 246.0 | 247.2 | 248.3 | 248.9 | 249.6 | 251.0 | 252.5 | 253.9 | 255.3 |
| 125°   | 262.1 | 263.0 | 264.0 | 264.9 | 265.8 | 266.3 | 267.0 | 268.3 | 269.7 | 271.0 | 272.4 |
| 127.5° | 278.9 | 279.9 | 280.9 | 281.9 | 282.9 | 283.4 | 283.9 | 285.0 | 286.1 | 287.1 | 288.2 |
| 130°   | 294.7 | 295.8 | 297.0 | 298.1 | 299.2 | 299.8 | 300.2 | 301.0 | 301.8 | 302.6 | 303.4 |
| 132.5° | 310.8 | 311.7 | 312.7 | 313.6 | 314.5 | 315.0 | 315.4 | 316.2 | 316.9 | 317.7 | 318.5 |
| 135°   | 324.3 | 325.5 | 326.6 | 327.8 | 328.9 | 329.5 | 329.8 | 330.5 | 331.1 | 331.8 | 332.4 |
| 137.5° | 338.5 | 339.4 | 340.2 | 341.1 | 342.0 | 342.4 | 342.8 | 343.5 | 344.2 | 344.9 | 345.6 |
| 140°   | 352.4 | 353.0 | 353.6 | 354.1 | 354.7 | 355.0 | 355.4 | 356.2 | 356.9 | 357.7 | 358.5 |
| 142.5° | 364.0 | 364.5 | 365.0 | 365.5 | 366.0 | 366.2 | 366.7 | 367.6 | 368.5 | 369.5 | 370.4 |
| 145°   | 376.2 | 376.1 | 376.1 | 376.0 | 375.9 | 375.9 | 376.5 | 377.7 | 379.0 | 380.2 | 381.4 |
| 147.5° | 386.9 | 386.7 | 386.5 | 386.2 | 386.0 | 385.9 | 386.5 | 387.7 | 389.0 | 390.2 | 391.4 |
| 150°   | 397.2 | 396.7 | 396.2 | 395.7 | 395.2 | 394.9 | 395.5 | 396.6 | 397.8 | 398.9 | 400.1 |
| 152.5° | 405.9 | 405.3 | 404.7 | 404.2 | 403.6 | 403.3 | 403.8 | 404.9 | 406.0 | 407.1 | 408.2 |
| 155°   | 414.3 | 413.7 | 413.0 | 412.4 | 411.7 | 411.4 | 411.8 | 412.7 | 413.6 | 414.4 | 415.3 |
| 157.5° | 421.1 | 420.5 | 419.9 | 419.4 | 418.8 | 418.5 | 418.8 | 419.5 | 420.1 | 420.8 | 421.4 |
| 160°   | 426.9 | 426.5 | 426.0 | 425.6 | 425.1 | 424.9 | 425.1 | 425.6 | 426.0 | 426.5 | 426.9 |
| 162.5° | 432.0 | 431.6 | 431.2 | 430.7 | 430.3 | 430.1 | 430.3 | 430.6 | 431.0 | 431.3 | 431.7 |
| 165°   | 436.5 | 436.1 | 435.7 | 435.2 | 434.8 | 434.6 | 434.7 | 434.9 | 435.2 | 435.4 | 435.6 |
| 167.5° | 440.1 | 439.7 | 439.2 | 438.8 | 438.3 | 438.1 | 438.2 | 438.4 | 438.7 | 438.9 | 439.1 |
| 170°   | 443.0 | 442.6 | 442.1 | 441.7 | 441.2 | 441.0 | 441.1 | 441.2 | 441.4 | 441.5 | 441.7 |
| 172.5° | 444.9 | 444.5 | 444.1 | 443.6 | 443.2 | 443.0 | 443.1 | 443.2 | 443.3 | 443.5 | 443.6 |
| 175°   | 446.5 | 446.0 | 445.5 | 445.0 | 444.5 | 444.3 | 444.4 | 444.5 | 444.6 | 444.8 | 444.9 |
| 177.5° | 447.2 | 446.7 | 446.2 | 445.7 | 445.2 | 444.9 | 444.9 | 445.0 | 445.1 | 445.1 | 445.2 |
| 180°   | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 |
| 2.5°   | 1948.5 | 1951.1 | 1955.0 | 1973.3 | 1976.0 | 1981.2 | 1978.6 | 1978.6 | 1979.9 | 1977.3 | 1978.6 |
| 5°     | 2032.2 | 2036.1 | 2055.7 | 2078.0 | 2083.2 | 2078.0 | 2084.5 | 2093.7 | 2093.7 | 2093.7 | 2091.0 |
| 7.5°   | 2110.7 | 2125.0 | 2147.3 | 2180.0 | 2186.5 | 2193.0 | 2204.8 | 2197.0 | 2199.6 | 2211.4 | 2207.4 |
| 10°    | 2186.5 | 2207.4 | 2232.3 | 2259.7 | 2274.1 | 2283.3 | 2288.5 | 2300.3 | 2327.7 | 2296.4 | 2308.1 |
| 12.5°  | 2258.4 | 2288.5 | 2314.7 | 2344.7 | 2355.2 | 2367.0 | 2370.9 | 2381.4 | 2381.4 | 2380.1 | 2389.2 |
| 15°    | 2305.5 | 2333.0 | 2356.5 | 2376.1 | 2378.7 | 2376.1 | 2373.5 | 2374.8 | 2378.7 | 2363.1 | 2372.2 |
| 17.5°  | 2316.0 | 2318.6 | 2326.4 | 2318.6 | 2319.9 | 2292.4 | 2276.7 | 2272.8 | 2236.2 | 2237.5 | 2267.6 |
| 20°    | 2265.0 | 2220.5 | 2208.7 | 2165.6 | 2139.4 | 2068.8 | 2066.2 | 2046.6 | 1969.4 | 1993.0 | 1987.7 |
| 22.5°  | 2125.0 | 2049.2 | 1948.5 | 1898.8 | 1874.0 | 1799.4 | 1741.9 | 1701.3 | 1673.9 | 1646.4 | 1634.7 |
| 25°    | 1940.7 | 1817.7 | 1675.2 | 1577.1 | 1562.7 | 1493.4 | 1387.5 | 1337.8 | 1279.0 | 1260.6 | 1292.0 |
| 27.5°  | 1702.7 | 1543.1 | 1382.3 | 1231.9 | 1204.4 | 1141.6 | 1088.0 | 1052.7 | 984.7  | 980.8  | 983.4  |
| 30°    | 1379.6 | 1218.8 | 1084.1 | 986.0  | 918.0  | 889.2  | 853.9  | 827.8  | 800.3  | 810.8  | 813.4  |
| 32.5°  | 1133.8 | 980.8  | 855.2  | 802.9  | 771.6  | 753.2  | 723.2  | 706.2  | 694.4  | 690.5  | 689.2  |
| 35°    | 901.0  | 799.0  | 742.8  | 691.8  | 673.5  | 660.4  | 638.2  | 630.3  | 619.9  | 621.2  | 621.2  |
| 37.5°  | 771.6  | 686.6  | 644.7  | 618.6  | 601.6  | 595.0  | 580.6  | 572.8  | 566.2  | 563.6  | 567.6  |
| 40°    | 665.6  | 606.8  | 580.6  | 557.1  | 542.7  | 540.1  | 532.2  | 523.1  | 515.2  | 516.5  | 520.5  |
| 42.5°  | 588.5  | 554.5  | 523.1  | 504.8  | 494.3  | 490.4  | 483.9  | 477.3  | 477.3  | 473.4  | 472.1  |
| 45°    | 527.0  | 499.5  | 473.4  | 456.4  | 449.9  | 444.6  | 436.8  | 435.5  | 430.2  | 431.5  | 432.9  |
| 47.5°  | 472.1  | 449.9  | 430.2  | 413.2  | 406.7  | 405.4  | 397.5  | 392.3  | 392.3  | 391.0  | 389.7  |
| 50°    | 422.4  | 400.2  | 383.2  | 374.0  | 364.9  | 362.2  | 360.9  | 359.6  | 357.0  | 357.0  | 358.3  |
| 52.5°  | 381.9  | 359.6  | 346.5  | 338.7  | 333.5  | 330.9  | 330.9  | 329.5  | 329.5  | 329.5  | 328.2  |
| 55°    | 337.4  | 319.1  | 308.6  | 306.0  | 303.4  | 302.1  | 300.8  | 298.2  | 296.9  | 299.5  | 296.9  |
| 57.5°  | 295.5  | 289.0  | 279.9  | 277.2  | 270.7  | 270.7  | 266.8  | 264.2  | 261.5  | 264.2  | 264.2  |
| 60°    | 262.9  | 253.7  | 248.5  | 240.6  | 235.4  | 230.2  | 223.6  | 222.3  | 219.7  | 218.4  | 217.1  |
| 62.5°  | 228.9  | 221.0  | 207.9  | 196.2  | 188.3  | 183.1  | 180.5  | 179.2  | 179.2  | 177.8  | 177.8  |
| 65°    | 190.9  | 172.6  | 166.1  | 162.2  | 160.8  | 159.5  | 156.9  | 155.6  | 156.9  | 155.6  | 156.9  |
| 67.5°  | 149.1  | 146.5  | 142.5  | 139.9  | 138.6  | 137.3  | 137.3  | 136.0  | 136.0  | 136.0  | 136.0  |
| 70°    | 129.5  | 122.9  | 121.6  | 119.0  | 119.0  | 117.7  | 117.7  | 117.7  | 117.7  | 116.4  | 119.0  |
| 72.5°  | 107.2  | 103.3  | 102.0  | 100.7  | 100.7  | 100.7  | 99.4   | 99.4   | 99.4   | 98.1   | 99.4   |
| 75°    | 87.6   | 86.3   | 83.7   | 83.7   | 82.4   | 83.7   | 82.4   | 82.4   | 81.1   | 82.4   | 82.4   |
| 77.5°  | 70.6   | 69.3   | 68.0   | 68.0   | 66.7   | 66.7   | 66.7   | 66.7   | 66.7   | 66.7   | 68.0   |
| 80°    | 53.6   | 52.3   | 51.0   | 52.3   | 51.0   | 52.3   | 51.0   | 51.0   | 52.3   | 51.0   | 51.0   |
| 82.5°  | 39.2   | 37.9   | 37.9   | 36.6   | 36.6   | 36.6   | 36.6   | 36.6   | 36.6   | 36.6   | 36.6   |
| 85°    | 23.5   | 22.2   | 22.2   | 23.5   | 22.2   | 23.5   | 22.2   | 22.2   | 22.2   | 23.5   | 23.5   |
| 87.5°  | 10.5   | 11.8   | 10.5   | 10.5   | 10.5   | 10.5   | 10.5   | 10.5   | 10.5   | 10.5   | 11.8   |
| 90°    | 6.8    | 7.2    | 7.5    | 7.9    | 8.1    | 8.2    | 8.3    | 8.4    | 8.6    | 8.7    | 8.6    |
| 92.5°  | 7.9    | 8.0    | 8.2    | 8.3    | 8.4    | 8.4    | 8.5    | 8.6    | 8.6    | 8.7    | 8.6    |
| 95°    | 13.0   | 13.3   | 13.7   | 14.0   | 14.2   | 14.2   | 14.1   | 14.0   | 14.0   | 13.9   | 14.0   |
| 97.5°  | 16.6   | 16.8   | 17.1   | 17.3   | 17.4   | 17.4   | 17.5   | 17.6   | 17.6   | 17.7   | 17.6   |
| 100°   | 19.0   | 19.6   | 20.1   | 20.7   | 21.0   | 21.1   | 21.2   | 21.3   | 21.5   | 21.6   | 21.5   |
| 102.5° | 19.8   | 20.6   | 21.4   | 22.2   | 22.6   | 22.7   | 22.9   | 23.1   | 23.3   | 23.5   | 23.3   |
| 105°   | 20.5   | 21.3   | 22.0   | 22.8   | 23.2   | 23.3   | 23.6   | 23.9   | 24.2   | 24.5   | 24.2   |
| 107.5° | 21.1   | 21.9   | 22.7   | 23.5   | 23.9   | 24.0   | 24.3   | 24.6   | 24.8   | 25.1   | 24.8   |
| 110°   | 49.2   | 42.1   | 34.9   | 27.8   | 24.2   | 24.3   | 24.6   | 24.9   | 25.2   | 25.5   | 25.2   |



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**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 132.9 | 102.0 | 71.1  | 40.2  | 24.8  | 24.9  | 25.1  | 25.4  | 25.6  | 25.8  | 25.6  |
| 115°   | 165.7 | 132.5 | 99.4  | 66.2  | 49.6  | 47.0  | 41.9  | 36.7  | 31.6  | 26.4  | 31.6  |
| 117.5° | 206.1 | 195.8 | 185.6 | 175.3 | 170.2 | 160.8 | 142.1 | 123.3 | 104.6 | 85.8  | 104.6 |
| 120°   | 237.2 | 238.0 | 238.9 | 239.8 | 240.2 | 235.4 | 225.7 | 216.0 | 206.4 | 196.7 | 206.4 |
| 122.5° | 255.7 | 256.2 | 256.6 | 257.1 | 257.3 | 257.3 | 257.4 | 257.5 | 257.5 | 257.6 | 257.5 |
| 125°   | 272.9 | 273.4 | 273.9 | 274.4 | 274.7 | 274.8 | 275.0 | 275.3 | 275.5 | 275.7 | 275.5 |
| 127.5° | 288.9 | 289.6 | 290.3 | 291.0 | 291.4 | 291.4 | 291.5 | 291.6 | 291.7 | 291.8 | 291.7 |
| 130°   | 304.2 | 305.0 | 305.7 | 306.5 | 306.9 | 306.9 | 306.8 | 306.7 | 306.7 | 306.6 | 306.7 |
| 132.5° | 319.1 | 319.8 | 320.4 | 321.1 | 321.4 | 321.4 | 321.3 | 321.2 | 321.2 | 321.1 | 321.2 |
| 135°   | 333.1 | 333.8 | 334.5 | 335.2 | 335.6 | 335.5 | 335.4 | 335.3 | 335.1 | 335.0 | 335.1 |
| 137.5° | 346.3 | 347.0 | 347.7 | 348.4 | 348.8 | 348.7 | 348.5 | 348.3 | 348.1 | 347.9 | 348.1 |
| 140°   | 359.1 | 359.8 | 360.4 | 361.1 | 361.4 | 361.2 | 360.9 | 360.5 | 360.2 | 359.8 | 360.2 |
| 142.5° | 371.0 | 371.6 | 372.1 | 372.7 | 373.0 | 372.8 | 372.5 | 372.1 | 371.8 | 371.4 | 371.8 |
| 145°   | 381.9 | 382.4 | 382.9 | 383.4 | 383.7 | 383.5 | 383.1 | 382.8 | 382.4 | 382.0 | 382.4 |
| 147.5° | 391.8 | 392.1 | 392.5 | 392.8 | 393.0 | 392.9 | 392.6 | 392.3 | 392.0 | 391.7 | 392.0 |
| 150°   | 400.5 | 400.9 | 401.4 | 401.8 | 402.0 | 401.8 | 401.5 | 401.1 | 400.8 | 400.4 | 400.8 |
| 152.5° | 408.6 | 409.0 | 409.5 | 409.9 | 410.1 | 409.8 | 409.3 | 408.8 | 408.3 | 407.8 | 408.3 |
| 155°   | 415.7 | 416.1 | 416.6 | 417.0 | 417.2 | 416.9 | 416.3 | 415.8 | 415.2 | 414.6 | 415.2 |
| 157.5° | 421.9 | 422.4 | 422.9 | 423.4 | 423.6 | 423.3 | 422.8 | 422.2 | 421.7 | 421.1 | 421.7 |
| 160°   | 427.3 | 427.7 | 428.2 | 428.6 | 428.8 | 428.5 | 428.0 | 427.5 | 427.0 | 426.5 | 427.0 |
| 162.5° | 432.2 | 432.7 | 433.2 | 433.7 | 434.0 | 433.7 | 433.0 | 432.3 | 431.7 | 431.0 | 431.7 |
| 165°   | 436.1 | 436.6 | 437.1 | 437.6 | 437.8 | 437.6 | 437.1 | 436.6 | 436.1 | 435.6 | 436.1 |
| 167.5° | 439.6 | 440.1 | 440.6 | 441.1 | 441.4 | 441.1 | 440.4 | 439.8 | 439.1 | 438.5 | 439.1 |
| 170°   | 442.2 | 442.7 | 443.2 | 443.7 | 443.9 | 443.6 | 442.9 | 442.3 | 441.6 | 441.0 | 441.6 |
| 172.5° | 444.1 | 444.6 | 445.1 | 445.6 | 445.9 | 445.6 | 444.9 | 444.3 | 443.6 | 443.0 | 443.6 |
| 175°   | 445.4 | 445.9 | 446.4 | 446.9 | 447.2 | 446.8 | 446.1 | 445.4 | 444.6 | 443.9 | 444.6 |
| 177.5° | 445.7 | 446.2 | 446.7 | 447.2 | 447.5 | 447.2 | 446.5 | 445.9 | 445.2 | 444.6 | 445.2 |
| 180°   | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 |



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**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 |
| 2.5°   | 1983.8 | 1974.7 | 1972.0 | 1974.7 | 1972.0 | 1973.3 | 1964.2 | 1930.2 | 1939.3 | 1925.0 | 1932.8 |
| 5°     | 2096.3 | 2088.4 | 2071.4 | 2068.8 | 2066.2 | 2063.6 | 2050.5 | 2020.4 | 2008.7 | 1989.0 | 1987.7 |
| 7.5°   | 2203.5 | 2203.5 | 2190.4 | 2181.3 | 2169.5 | 2160.4 | 2143.4 | 2098.9 | 2080.6 | 2057.0 | 2044.0 |
| 10°    | 2309.4 | 2275.4 | 2289.8 | 2280.7 | 2251.9 | 2246.7 | 2215.3 | 2189.1 | 2153.8 | 2130.3 | 2109.4 |
| 12.5°  | 2385.3 | 2374.8 | 2361.7 | 2353.9 | 2346.0 | 2329.0 | 2308.1 | 2241.4 | 2223.1 | 2176.0 | 2152.5 |
| 15°    | 2382.7 | 2376.1 | 2380.1 | 2380.1 | 2377.4 | 2373.5 | 2356.5 | 2308.1 | 2276.7 | 2231.0 | 2190.4 |
| 17.5°  | 2254.5 | 2271.5 | 2288.5 | 2300.3 | 2326.4 | 2338.2 | 2353.9 | 2325.1 | 2305.5 | 2266.3 | 2223.1 |
| 20°    | 2030.9 | 2072.7 | 2122.4 | 2132.9 | 2156.4 | 2225.7 | 2257.1 | 2282.0 | 2289.8 | 2276.7 | 2241.4 |
| 22.5°  | 1719.7 | 1755.0 | 1875.3 | 1872.7 | 1906.7 | 1989.0 | 2080.6 | 2155.1 | 2214.0 | 2246.7 | 2233.6 |
| 25°    | 1347.0 | 1396.6 | 1460.7 | 1509.1 | 1620.3 | 1743.2 | 1857.0 | 1976.0 | 2078.0 | 2168.2 | 2190.4 |
| 27.5°  | 1018.7 | 1084.1 | 1135.1 | 1199.2 | 1255.4 | 1400.6 | 1547.0 | 1732.7 | 1851.7 | 2023.0 | 2112.0 |
| 30°    | 823.9  | 853.9  | 904.9  | 935.0  | 962.5  | 1073.6 | 1239.7 | 1422.8 | 1632.0 | 1829.5 | 1982.5 |
| 32.5°  | 703.6  | 724.5  | 762.4  | 775.5  | 804.2  | 878.8  | 983.4  | 1150.8 | 1366.6 | 1605.9 | 1807.3 |
| 35°    | 631.6  | 653.9  | 661.7  | 673.5  | 697.0  | 744.1  | 816.0  | 937.6  | 1132.5 | 1366.6 | 1607.2 |
| 37.5°  | 570.2  | 581.9  | 604.2  | 612.0  | 619.9  | 655.2  | 703.6  | 788.6  | 918.0  | 1110.3 | 1377.0 |
| 40°    | 527.0  | 533.5  | 545.3  | 551.9  | 557.1  | 581.9  | 625.1  | 682.6  | 778.1  | 924.6  | 1170.4 |
| 42.5°  | 481.2  | 489.1  | 496.9  | 504.8  | 511.3  | 530.9  | 557.1  | 612.0  | 676.1  | 787.2  | 965.1  |
| 45°    | 436.8  | 442.0  | 451.2  | 456.4  | 465.5  | 481.2  | 504.8  | 542.7  | 600.2  | 670.9  | 814.7  |
| 47.5°  | 396.2  | 402.8  | 406.7  | 413.2  | 419.8  | 436.8  | 459.0  | 483.9  | 530.9  | 600.2  | 704.9  |
| 50°    | 359.6  | 367.5  | 372.7  | 374.0  | 379.2  | 394.9  | 413.2  | 440.7  | 470.8  | 524.4  | 615.9  |
| 52.5°  | 333.5  | 334.8  | 338.7  | 343.9  | 342.6  | 351.8  | 368.8  | 389.7  | 421.1  | 464.2  | 530.9  |
| 55°    | 303.4  | 307.3  | 309.9  | 311.2  | 311.2  | 319.1  | 328.2  | 347.9  | 372.7  | 408.0  | 464.2  |
| 57.5°  | 265.5  | 269.4  | 277.2  | 279.9  | 283.8  | 287.7  | 291.6  | 304.7  | 325.6  | 359.6  | 405.4  |
| 60°    | 226.2  | 228.9  | 236.7  | 241.9  | 244.5  | 255.0  | 260.2  | 270.7  | 282.5  | 307.3  | 350.5  |
| 62.5°  | 181.8  | 184.4  | 188.3  | 193.5  | 198.8  | 214.5  | 227.5  | 238.0  | 247.2  | 264.2  | 299.5  |
| 65°    | 158.2  | 159.5  | 162.2  | 163.5  | 164.8  | 171.3  | 183.1  | 197.5  | 214.5  | 227.5  | 248.5  |
| 67.5°  | 137.3  | 138.6  | 139.9  | 142.5  | 143.8  | 145.2  | 150.4  | 154.3  | 171.3  | 189.6  | 205.3  |
| 70°    | 117.7  | 120.3  | 121.6  | 121.6  | 122.9  | 125.5  | 128.2  | 133.4  | 138.6  | 147.8  | 167.4  |
| 72.5°  | 99.4   | 100.7  | 103.3  | 103.3  | 103.3  | 105.9  | 108.5  | 111.2  | 113.8  | 119.0  | 126.8  |
| 75°    | 82.4   | 85.0   | 85.0   | 85.0   | 86.3   | 86.3   | 88.9   | 91.5   | 94.2   | 98.1   | 100.7  |
| 77.5°  | 68.0   | 68.0   | 68.0   | 68.0   | 69.3   | 69.3   | 70.6   | 73.2   | 74.5   | 75.8   | 78.5   |
| 80°    | 51.0   | 52.3   | 52.3   | 52.3   | 53.6   | 53.6   | 53.6   | 56.2   | 57.5   | 57.5   | 60.2   |
| 82.5°  | 37.9   | 37.9   | 37.9   | 39.2   | 37.9   | 39.2   | 39.2   | 40.5   | 39.2   | 40.5   | 41.8   |
| 85°    | 23.5   | 23.5   | 23.5   | 24.8   | 24.8   | 24.8   | 24.8   | 24.8   | 24.8   | 24.8   | 26.2   |
| 87.5°  | 11.8   | 11.8   | 11.8   | 11.8   | 11.8   | 11.8   | 11.8   | 11.8   | 13.1   | 11.8   | 11.8   |
| 90°    | 8.4    | 8.3    | 8.2    | 8.1    | 7.9    | 7.5    | 7.2    | 6.8    | 6.4    | 5.8    | 5.3    |
| 92.5°  | 8.6    | 8.5    | 8.4    | 8.4    | 8.3    | 8.2    | 8.0    | 7.9    | 7.7    | 7.5    | 7.3    |
| 95°    | 14.0   | 14.1   | 14.2   | 14.2   | 14.0   | 13.7   | 13.3   | 13.0   | 12.6   | 12.1   | 11.6   |
| 97.5°  | 17.6   | 17.5   | 17.4   | 17.4   | 17.3   | 17.1   | 16.8   | 16.6   | 16.4   | 15.3   | 14.1   |
| 100°   | 21.3   | 21.2   | 21.1   | 21.0   | 20.7   | 20.1   | 19.6   | 19.0   | 18.4   | 17.2   | 16.0   |
| 102.5° | 23.1   | 22.9   | 22.7   | 22.6   | 22.2   | 21.4   | 20.6   | 19.8   | 19.0   | 32.0   | 45.1   |
| 105°   | 23.9   | 23.6   | 23.3   | 23.2   | 22.8   | 22.0   | 21.3   | 20.5   | 19.7   | 39.3   | 58.8   |
| 107.5° | 24.6   | 24.3   | 24.0   | 23.9   | 23.5   | 22.7   | 21.9   | 21.1   | 20.3   | 44.5   | 68.6   |
| 110°   | 24.9   | 24.6   | 24.3   | 24.2   | 27.8   | 34.9   | 42.1   | 49.2   | 56.4   | 77.1   | 97.8   |

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**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 25.4  | 25.1  | 24.9  | 24.8   | 40.2  | 71.1  | 102.0 | 132.9 | 163.8 | 165.0 | 166.2 |
| 115°   | 36.7  | 41.9  | 47.0  | 49.6   | 66.2  | 99.4  | 132.5 | 165.7 | 198.9 | 197.1 | 195.3 |
| 117.5° | 123.3 | 142.1 | 160.8 | 170.2  | 175.3 | 185.6 | 195.8 | 206.1 | 216.3 | 215.1 | 213.9 |
| 120°   | 216.0 | 225.7 | 235.4 | 240.2  | 239.8 | 238.9 | 238.0 | 237.2 | 236.3 | 235.0 | 233.7 |
| 122.5° | 257.5 | 257.4 | 257.3 | 257.3  | 257.1 | 256.6 | 256.2 | 255.7 | 255.3 | 253.9 | 252.5 |
| 125°   | 275.3 | 275.0 | 274.8 | 274.7  | 274.4 | 273.9 | 273.4 | 272.9 | 272.4 | 271.0 | 269.7 |
| 127.5° | 291.6 | 291.5 | 291.4 | 291.4  | 291.0 | 290.3 | 289.6 | 288.9 | 288.2 | 287.1 | 286.1 |
| 130°   | 306.7 | 306.8 | 306.9 | 306.9  | 306.5 | 305.7 | 305.0 | 304.2 | 303.4 | 302.6 | 301.8 |
| 132.5° | 321.2 | 321.3 | 321.4 | 321.4  | 321.1 | 320.4 | 319.8 | 319.1 | 318.5 | 317.7 | 316.9 |
| 135°   | 335.3 | 335.4 | 335.5 | 335.6  | 335.2 | 334.5 | 333.8 | 333.1 | 332.4 | 331.8 | 331.1 |
| 137.5° | 348.3 | 348.5 | 348.7 | 348.8  | 348.4 | 347.7 | 347.0 | 346.3 | 345.6 | 344.9 | 344.2 |
| 140°   | 360.5 | 360.9 | 361.2 | 361.4  | 361.1 | 360.4 | 359.8 | 359.1 | 358.5 | 357.7 | 356.9 |
| 142.5° | 372.1 | 372.5 | 372.8 | 373.0  | 372.7 | 372.1 | 371.6 | 371.0 | 370.4 | 369.5 | 368.5 |
| 145°   | 382.8 | 383.1 | 383.5 | 383.7  | 383.4 | 382.9 | 382.4 | 381.9 | 381.4 | 380.2 | 379.0 |
| 147.5° | 392.3 | 392.6 | 392.9 | 393.0  | 392.8 | 392.5 | 392.1 | 391.8 | 391.4 | 390.2 | 389.0 |
| 150°   | 401.1 | 401.5 | 401.8 | 402.0  | 401.8 | 401.4 | 400.9 | 400.5 | 400.1 | 398.9 | 397.8 |
| 152.5° | 408.8 | 409.3 | 409.8 | 410.1  | 409.9 | 409.5 | 409.0 | 408.6 | 408.2 | 407.1 | 406.0 |
| 155°   | 415.8 | 416.3 | 416.9 | 417.2  | 417.0 | 416.6 | 416.1 | 415.7 | 415.3 | 414.4 | 413.6 |
| 157.5° | 422.2 | 422.8 | 423.3 | 423.6  | 423.4 | 422.9 | 422.4 | 421.9 | 421.4 | 420.8 | 420.1 |
| 160°   | 427.5 | 428.0 | 428.5 | 428.8  | 428.6 | 428.2 | 427.7 | 427.3 | 426.9 | 426.5 | 426.0 |
| 162.5° | 432.3 | 433.0 | 433.7 | 434.0  | 433.7 | 433.2 | 432.7 | 432.2 | 431.7 | 431.3 | 431.0 |
| 165°   | 436.6 | 437.1 | 437.6 | 437.8  | 437.6 | 437.1 | 436.6 | 436.1 | 435.6 | 435.4 | 435.2 |
| 167.5° | 439.8 | 440.4 | 441.1 | 441.4  | 441.1 | 440.6 | 440.1 | 439.6 | 439.1 | 438.9 | 438.7 |
| 170°   | 442.3 | 442.9 | 443.6 | 443.9  | 443.7 | 443.2 | 442.7 | 442.2 | 441.7 | 441.5 | 441.4 |
| 172.5° | 444.3 | 444.9 | 445.6 | 445.9  | 445.6 | 445.1 | 444.6 | 444.1 | 443.6 | 443.5 | 443.3 |
| 175°   | 445.4 | 446.1 | 446.8 | 447.2  | 446.9 | 446.4 | 445.9 | 445.4 | 444.9 | 444.8 | 444.6 |
| 177.5° | 445.9 | 446.5 | 447.2 | 447.5  | 447.2 | 446.7 | 446.2 | 445.7 | 445.2 | 445.1 | 445.1 |
| 180°   | 445.6 | 445.6 | 445.6 | 445.6  | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 |
| 2.5°   | 1921.0 | 1914.5 | 1914.5 | 1910.6 | 1910.6 | 1889.7 | 1889.7 | 1896.2 | 1888.3 | 1879.2 | 1866.1 |
| 5°     | 1970.7 | 1956.3 | 1952.4 | 1947.2 | 1930.2 | 1904.0 | 1893.6 | 1889.7 | 1874.0 | 1854.3 | 1832.1 |
| 7.5°   | 2017.8 | 1994.3 | 1982.5 | 1970.7 | 1948.5 | 1911.9 | 1891.0 | 1876.6 | 1853.0 | 1823.0 | 1794.2 |
| 10°    | 2063.6 | 2033.5 | 2003.4 | 1989.0 | 1957.7 | 1911.9 | 1881.8 | 1858.3 | 1824.3 | 1783.7 | 1743.2 |
| 12.5°  | 2105.4 | 2042.7 | 2037.4 | 2008.7 | 1962.9 | 1910.6 | 1864.8 | 1830.8 | 1787.7 | 1740.6 | 1693.5 |
| 15°    | 2142.0 | 2078.0 | 2046.6 | 2020.4 | 1960.3 | 1894.9 | 1846.5 | 1804.7 | 1747.1 | 1693.5 | 1636.0 |
| 17.5°  | 2160.4 | 2091.0 | 2070.1 | 2027.0 | 1965.5 | 1880.5 | 1815.1 | 1764.1 | 1701.3 | 1637.3 | 1571.9 |
| 20°    | 2178.7 | 2097.6 | 2063.6 | 2033.5 | 1949.8 | 1853.0 | 1779.8 | 1721.0 | 1651.7 | 1575.8 | 1503.9 |
| 22.5°  | 2187.8 | 2097.6 | 2057.0 | 2015.2 | 1934.1 | 1823.0 | 1736.7 | 1667.3 | 1586.3 | 1509.1 | 1422.8 |
| 25°    | 2172.1 | 2089.7 | 2041.4 | 1998.2 | 1906.7 | 1786.3 | 1687.0 | 1608.5 | 1522.2 | 1434.6 | 1347.0 |
| 27.5°  | 2132.9 | 2071.4 | 2015.2 | 1970.7 | 1868.7 | 1739.3 | 1634.7 | 1545.7 | 1456.8 | 1358.7 | 1269.8 |
| 30°    | 2059.7 | 2032.2 | 1987.7 | 1938.0 | 1826.9 | 1697.4 | 1573.2 | 1481.6 | 1383.6 | 1285.5 | 1192.6 |
| 32.5°  | 1945.9 | 1969.4 | 1940.7 | 1897.5 | 1777.2 | 1639.9 | 1507.8 | 1415.0 | 1307.7 | 1201.8 | 1116.8 |
| 35°    | 1807.3 | 1891.0 | 1875.3 | 1845.2 | 1724.9 | 1578.4 | 1446.3 | 1333.9 | 1226.6 | 1119.4 | 1034.4 |
| 37.5°  | 1655.6 | 1782.4 | 1795.5 | 1777.2 | 1664.7 | 1515.6 | 1370.5 | 1260.6 | 1150.8 | 1042.3 | 955.9  |
| 40°    | 1447.6 | 1642.5 | 1684.3 | 1692.2 | 1602.0 | 1439.8 | 1288.1 | 1180.9 | 1072.3 | 966.4  | 861.8  |
| 42.5°  | 1256.7 | 1502.6 | 1554.9 | 1587.6 | 1522.2 | 1365.3 | 1212.3 | 1093.3 | 986.0  | 890.6  | 785.9  |
| 45°    | 1077.6 | 1333.9 | 1418.9 | 1460.7 | 1432.0 | 1280.3 | 1122.0 | 1010.9 | 912.8  | 825.2  | 724.5  |
| 47.5°  | 893.2  | 1150.8 | 1269.8 | 1336.5 | 1336.5 | 1193.9 | 1035.7 | 925.9  | 831.7  | 757.2  | 668.2  |
| 50°    | 770.2  | 984.7  | 1107.6 | 1195.3 | 1218.8 | 1106.3 | 957.3  | 850.0  | 761.1  | 680.0  | 612.0  |
| 52.5°  | 656.5  | 848.7  | 950.7  | 1042.3 | 1110.3 | 1012.2 | 869.6  | 772.9  | 685.2  | 609.4  | 555.8  |
| 55°    | 567.6  | 711.4  | 804.2  | 904.9  | 980.8  | 916.7  | 784.6  | 690.5  | 614.6  | 551.9  | 506.1  |
| 57.5°  | 482.5  | 608.1  | 683.9  | 772.9  | 853.9  | 805.6  | 699.6  | 618.6  | 551.9  | 496.9  | 456.4  |
| 60°    | 410.6  | 512.6  | 571.5  | 640.8  | 741.5  | 707.5  | 619.9  | 545.3  | 491.7  | 442.0  | 408.0  |
| 62.5°  | 349.2  | 430.2  | 479.9  | 529.6  | 621.2  | 605.5  | 537.5  | 479.9  | 434.2  | 392.3  | 363.5  |
| 65°    | 286.4  | 353.1  | 392.3  | 435.5  | 508.7  | 515.2  | 460.3  | 419.8  | 377.9  | 341.3  | 315.2  |
| 67.5°  | 231.5  | 283.8  | 319.1  | 355.7  | 414.5  | 432.9  | 394.9  | 360.9  | 325.6  | 295.5  | 272.0  |
| 70°    | 187.0  | 223.6  | 249.8  | 278.5  | 326.9  | 349.2  | 329.5  | 306.0  | 277.2  | 252.4  | 231.5  |
| 72.5°  | 147.8  | 171.3  | 187.0  | 209.2  | 248.5  | 270.7  | 269.4  | 248.5  | 227.5  | 210.5  | 193.5  |
| 75°    | 108.5  | 126.8  | 139.9  | 154.3  | 185.7  | 206.6  | 211.9  | 202.7  | 181.8  | 168.7  | 155.6  |
| 77.5°  | 82.4   | 92.8   | 99.4   | 109.8  | 132.1  | 150.4  | 158.2  | 155.6  | 141.2  | 130.8  | 121.6  |
| 80°    | 62.8   | 65.4   | 68.0   | 71.9   | 90.2   | 107.2  | 112.5  | 111.2  | 103.3  | 99.4   | 88.9   |
| 82.5°  | 44.5   | 45.8   | 47.1   | 48.4   | 54.9   | 69.3   | 74.5   | 77.2   | 70.6   | 66.7   | 57.5   |
| 85°    | 26.2   | 27.5   | 27.5   | 30.1   | 31.4   | 35.3   | 44.5   | 44.5   | 43.2   | 37.9   | 36.6   |
| 87.5°  | 13.1   | 13.1   | 11.8   | 11.8   | 13.1   | 14.4   | 17.0   | 19.6   | 17.0   | 15.7   | 14.4   |
| 90°    | 4.7    | 4.2    | 3.9    | 3.5    | 2.7    | 1.9    | 1.1    | 0.3    | 1.1    | 1.9    | 2.7    |
| 92.5°  | 7.1    | 6.9    | 6.8    | 6.9    | 7.2    | 7.5    | 7.8    | 8.1    | 7.8    | 7.5    | 7.2    |
| 95°    | 11.1   | 10.6   | 10.3   | 11.5   | 13.9   | 16.2   | 18.6   | 21.0   | 18.6   | 16.2   | 13.9   |
| 97.5°  | 13.0   | 11.9   | 11.3   | 14.2   | 20.1   | 26.0   | 31.8   | 37.7   | 31.8   | 26.0   | 20.1   |
| 100°   | 14.7   | 13.5   | 12.9   | 17.8   | 27.6   | 37.5   | 47.3   | 57.1   | 47.3   | 37.5   | 27.6   |
| 102.5° | 58.1   | 71.2   | 77.7   | 77.8   | 77.9   | 78.0   | 78.2   | 78.3   | 78.2   | 78.0   | 77.9   |
| 105°   | 78.4   | 97.9   | 107.7  | 106.6  | 104.5  | 102.3  | 100.2  | 98.0   | 100.2  | 102.3  | 104.5  |
| 107.5° | 92.8   | 116.9  | 129.0  | 128.1  | 126.3  | 124.5  | 122.7  | 120.9  | 122.7  | 124.5  | 126.3  |
| 110°   | 118.5  | 139.2  | 149.6  | 148.8  | 147.3  | 145.8  | 144.3  | 142.8  | 144.3  | 145.8  | 147.3  |

TEST NUMBER: P1008504

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**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 167.5 | 168.7 | 169.3  | 168.7 | 167.4 | 166.1 | 164.8 | 163.5 | 164.8 | 166.1 | 167.4 |
| 115°   | 193.6 | 191.8 | 190.9  | 190.3 | 189.1 | 187.8 | 186.6 | 185.4 | 186.6 | 187.8 | 189.1 |
| 117.5° | 212.6 | 211.4 | 210.8  | 210.1 | 208.7 | 207.2 | 205.8 | 204.4 | 205.8 | 207.2 | 208.7 |
| 120°   | 232.4 | 231.1 | 230.5  | 230.0 | 228.9 | 227.8 | 226.8 | 225.7 | 226.8 | 227.8 | 228.9 |
| 122.5° | 251.0 | 249.6 | 248.9  | 248.3 | 247.2 | 246.0 | 244.9 | 243.7 | 244.9 | 246.0 | 247.2 |
| 125°   | 268.3 | 267.0 | 266.3  | 265.8 | 264.9 | 264.0 | 263.0 | 262.1 | 263.0 | 264.0 | 264.9 |
| 127.5° | 285.0 | 283.9 | 283.4  | 282.9 | 281.9 | 280.9 | 279.9 | 278.9 | 279.9 | 280.9 | 281.9 |
| 130°   | 301.0 | 300.2 | 299.8  | 299.2 | 298.1 | 297.0 | 295.8 | 294.7 | 295.8 | 297.0 | 298.1 |
| 132.5° | 316.2 | 315.4 | 315.0  | 314.5 | 313.6 | 312.7 | 311.7 | 310.8 | 311.7 | 312.7 | 313.6 |
| 135°   | 330.5 | 329.8 | 329.5  | 328.9 | 327.8 | 326.6 | 325.5 | 324.3 | 325.5 | 326.6 | 327.8 |
| 137.5° | 343.5 | 342.8 | 342.4  | 342.0 | 341.1 | 340.2 | 339.4 | 338.5 | 339.4 | 340.2 | 341.1 |
| 140°   | 356.2 | 355.4 | 355.0  | 354.7 | 354.1 | 353.6 | 353.0 | 352.4 | 353.0 | 353.6 | 354.1 |
| 142.5° | 367.6 | 366.7 | 366.2  | 366.0 | 365.5 | 365.0 | 364.5 | 364.0 | 364.5 | 365.0 | 365.5 |
| 145°   | 377.7 | 376.5 | 375.9  | 375.9 | 376.0 | 376.1 | 376.1 | 376.2 | 376.1 | 376.1 | 376.0 |
| 147.5° | 387.7 | 386.5 | 385.9  | 386.0 | 386.2 | 386.5 | 386.7 | 386.9 | 386.7 | 386.5 | 386.2 |
| 150°   | 396.6 | 395.5 | 394.9  | 395.2 | 395.7 | 396.2 | 396.7 | 397.2 | 396.7 | 396.2 | 395.7 |
| 152.5° | 404.9 | 403.8 | 403.3  | 403.6 | 404.2 | 404.7 | 405.3 | 405.9 | 405.3 | 404.7 | 404.2 |
| 155°   | 412.7 | 411.8 | 411.4  | 411.7 | 412.4 | 413.0 | 413.7 | 414.3 | 413.7 | 413.0 | 412.4 |
| 157.5° | 419.5 | 418.8 | 418.5  | 418.8 | 419.4 | 419.9 | 420.5 | 421.1 | 420.5 | 419.9 | 419.4 |
| 160°   | 425.6 | 425.1 | 424.9  | 425.1 | 425.6 | 426.0 | 426.5 | 426.9 | 426.5 | 426.0 | 425.6 |
| 162.5° | 430.6 | 430.3 | 430.1  | 430.3 | 430.7 | 431.2 | 431.6 | 432.0 | 431.6 | 431.2 | 430.7 |
| 165°   | 434.9 | 434.7 | 434.6  | 434.8 | 435.2 | 435.7 | 436.1 | 436.5 | 436.1 | 435.7 | 435.2 |
| 167.5° | 438.4 | 438.2 | 438.1  | 438.3 | 438.8 | 439.2 | 439.7 | 440.1 | 439.7 | 439.2 | 438.8 |
| 170°   | 441.2 | 441.1 | 441.0  | 441.2 | 441.7 | 442.1 | 442.6 | 443.0 | 442.6 | 442.1 | 441.7 |
| 172.5° | 443.2 | 443.1 | 443.0  | 443.2 | 443.6 | 444.1 | 444.5 | 444.9 | 444.5 | 444.1 | 443.6 |
| 175°   | 444.5 | 444.4 | 444.3  | 444.5 | 445.0 | 445.5 | 446.0 | 446.5 | 446.0 | 445.5 | 445.0 |
| 177.5° | 445.0 | 444.9 | 444.9  | 445.2 | 445.7 | 446.2 | 446.7 | 447.2 | 446.7 | 446.2 | 445.7 |
| 180°   | 445.6 | 445.6 | 445.6  | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 |

TEST NUMBER: P1008504

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**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 |
| 2.5°   | 1860.9 | 1862.2 | 1866.1 | 1854.3 | 1836.0 | 1828.2 | 1804.7 | 1800.7 | 1796.8 | 1796.8 | 1800.7 |
| 5°     | 1819.0 | 1813.8 | 1815.1 | 1792.9 | 1766.7 | 1751.0 | 1718.3 | 1723.6 | 1706.6 | 1696.1 | 1698.7 |
| 7.5°   | 1773.3 | 1758.9 | 1757.6 | 1728.8 | 1696.1 | 1667.3 | 1633.3 | 1625.5 | 1609.8 | 1591.5 | 1583.6 |
| 10°    | 1715.7 | 1705.3 | 1685.7 | 1653.0 | 1611.1 | 1587.6 | 1541.8 | 1514.3 | 1510.4 | 1483.0 | 1472.5 |
| 12.5°  | 1656.9 | 1638.6 | 1619.0 | 1573.2 | 1526.1 | 1488.2 | 1454.2 | 1424.1 | 1403.2 | 1379.6 | 1364.0 |
| 15°    | 1588.9 | 1566.6 | 1544.4 | 1496.0 | 1441.1 | 1403.2 | 1352.2 | 1307.7 | 1246.3 | 1197.9 | 1170.4 |
| 17.5°  | 1514.3 | 1489.5 | 1459.4 | 1405.8 | 1352.2 | 1299.9 | 1205.7 | 1153.4 | 1110.3 | 1081.5 | 1064.5 |
| 20°    | 1437.2 | 1409.7 | 1379.6 | 1326.0 | 1233.2 | 1141.6 | 1089.3 | 1048.8 | 1022.6 | 993.9  | 972.9  |
| 22.5°  | 1356.1 | 1327.3 | 1294.6 | 1210.9 | 1112.9 | 1048.8 | 1008.3 | 970.3  | 932.4  | 916.7  | 906.3  |
| 25°    | 1280.3 | 1254.1 | 1212.3 | 1098.5 | 1021.3 | 962.5  | 916.7  | 891.9  | 872.2  | 851.3  | 831.7  |
| 27.5°  | 1201.8 | 1153.4 | 1094.6 | 999.1  | 950.7  | 890.6  | 857.9  | 839.6  | 805.6  | 791.2  | 782.0  |
| 30°    | 1107.6 | 1054.0 | 997.8  | 929.8  | 873.6  | 831.7  | 801.6  | 771.6  | 751.9  | 737.6  | 721.9  |
| 32.5°  | 1012.2 | 961.2  | 925.9  | 855.2  | 813.4  | 770.2  | 741.5  | 723.2  | 694.4  | 685.2  | 678.7  |
| 35°    | 929.8  | 886.6  | 855.2  | 797.7  | 758.5  | 719.2  | 698.3  | 670.9  | 652.6  | 635.6  | 625.1  |
| 37.5°  | 848.7  | 825.2  | 792.5  | 744.1  | 702.2  | 670.9  | 642.1  | 632.9  | 608.1  | 598.9  | 588.5  |
| 40°    | 792.5  | 757.2  | 729.7  | 687.9  | 652.6  | 618.6  | 600.2  | 579.3  | 562.3  | 547.9  | 544.0  |
| 42.5°  | 724.5  | 698.3  | 682.6  | 636.9  | 600.2  | 580.6  | 558.4  | 534.9  | 521.8  | 510.0  | 495.6  |
| 45°    | 673.5  | 649.9  | 627.7  | 591.1  | 558.4  | 533.5  | 513.9  | 498.2  | 476.0  | 470.8  | 448.5  |
| 47.5°  | 619.9  | 596.3  | 579.3  | 542.7  | 512.6  | 489.1  | 474.7  | 453.8  | 435.5  | 423.7  | 413.2  |
| 50°    | 566.2  | 546.6  | 530.9  | 499.5  | 473.4  | 448.5  | 428.9  | 408.0  | 400.2  | 380.5  | 374.0  |
| 52.5°  | 515.2  | 502.2  | 485.2  | 455.1  | 428.9  | 408.0  | 387.1  | 370.1  | 358.3  | 347.9  | 340.0  |
| 55°    | 472.1  | 451.2  | 443.3  | 410.6  | 388.4  | 366.2  | 347.9  | 337.4  | 323.0  | 316.5  | 309.9  |
| 57.5°  | 423.7  | 411.9  | 398.9  | 374.0  | 349.2  | 328.2  | 315.2  | 299.5  | 291.6  | 283.8  | 278.5  |
| 60°    | 381.9  | 364.9  | 354.4  | 333.5  | 311.2  | 291.6  | 279.9  | 268.1  | 257.6  | 251.1  | 240.6  |
| 62.5°  | 333.5  | 320.4  | 313.9  | 291.6  | 273.3  | 255.0  | 244.5  | 232.8  | 224.9  | 213.2  | 200.1  |
| 65°    | 291.6  | 281.2  | 273.3  | 255.0  | 238.0  | 221.0  | 210.5  | 196.2  | 185.7  | 179.2  | 177.8  |
| 67.5°  | 255.0  | 247.2  | 235.4  | 218.4  | 201.4  | 188.3  | 176.5  | 164.8  | 163.5  | 160.8  | 160.8  |
| 70°    | 214.5  | 206.6  | 200.1  | 181.8  | 167.4  | 153.0  | 150.4  | 146.5  | 142.5  | 141.2  | 138.6  |
| 72.5°  | 179.2  | 172.6  | 164.8  | 149.1  | 134.7  | 130.8  | 128.2  | 125.5  | 121.6  | 120.3  | 119.0  |
| 75°    | 145.2  | 136.0  | 130.8  | 116.4  | 112.5  | 109.8  | 107.2  | 103.3  | 100.7  | 99.4   | 96.8   |
| 77.5°  | 111.2  | 102.0  | 102.0  | 94.2   | 91.5   | 87.6   | 85.0   | 82.4   | 81.1   | 78.5   | 78.5   |
| 80°    | 78.5   | 78.5   | 75.8   | 71.9   | 68.0   | 66.7   | 62.8   | 61.5   | 60.2   | 61.5   | 58.8   |
| 82.5°  | 57.5   | 52.3   | 52.3   | 49.7   | 47.1   | 45.8   | 43.2   | 43.2   | 41.8   | 41.8   | 41.8   |
| 85°    | 32.7   | 32.7   | 31.4   | 28.8   | 27.5   | 27.5   | 26.2   | 26.2   | 24.8   | 24.8   | 23.5   |
| 87.5°  | 13.1   | 11.8   | 13.1   | 11.8   | 11.8   | 10.5   | 10.5   | 10.5   | 9.2    | 10.5   | 9.2    |
| 90°    | 3.5    | 3.9    | 4.2    | 4.7    | 5.3    | 5.8    | 6.4    | 6.8    | 7.2    | 7.5    | 7.9    |
| 92.5°  | 6.9    | 6.8    | 6.9    | 7.1    | 7.3    | 7.5    | 7.7    | 7.9    | 8.0    | 8.2    | 8.3    |
| 95°    | 11.5   | 10.3   | 10.6   | 11.1   | 11.6   | 12.1   | 12.6   | 13.0   | 13.3   | 13.7   | 14.0   |
| 97.5°  | 14.2   | 11.3   | 11.9   | 13.0   | 14.1   | 15.3   | 16.4   | 16.6   | 16.8   | 17.1   | 17.3   |
| 100°   | 17.8   | 12.9   | 13.5   | 14.7   | 16.0   | 17.2   | 18.4   | 19.0   | 19.6   | 20.1   | 20.7   |
| 102.5° | 77.8   | 77.7   | 71.2   | 58.1   | 45.1   | 32.0   | 19.0   | 19.8   | 20.6   | 21.4   | 22.2   |
| 105°   | 106.6  | 107.7  | 97.9   | 78.4   | 58.8   | 39.3   | 19.7   | 20.5   | 21.3   | 22.0   | 22.8   |
| 107.5° | 128.1  | 129.0  | 116.9  | 92.8   | 68.6   | 44.5   | 20.3   | 21.1   | 21.9   | 22.7   | 23.5   |
| 110°   | 148.8  | 149.6  | 139.2  | 118.5  | 97.8   | 77.1   | 56.4   | 49.2   | 42.1   | 34.9   | 27.8   |

TEST NUMBER: P1008504

CATALOG NUMBER: S122RDIP-B865D330UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 168.7 | 169.3  | 168.7 | 167.5 | 166.2 | 165.0 | 163.8 | 132.9 | 102.0 | 71.1  | 40.2  |
| 115°   | 190.3 | 190.9  | 191.8 | 193.6 | 195.3 | 197.1 | 198.9 | 165.7 | 132.5 | 99.4  | 66.2  |
| 117.5° | 210.1 | 210.8  | 211.4 | 212.6 | 213.9 | 215.1 | 216.3 | 206.1 | 195.8 | 185.6 | 175.3 |
| 120°   | 230.0 | 230.5  | 231.1 | 232.4 | 233.7 | 235.0 | 236.3 | 237.2 | 238.0 | 238.9 | 239.8 |
| 122.5° | 248.3 | 248.9  | 249.6 | 251.0 | 252.5 | 253.9 | 255.3 | 255.7 | 256.2 | 256.6 | 257.1 |
| 125°   | 265.8 | 266.3  | 267.0 | 268.3 | 269.7 | 271.0 | 272.4 | 272.9 | 273.4 | 273.9 | 274.4 |
| 127.5° | 282.9 | 283.4  | 283.9 | 285.0 | 286.1 | 287.1 | 288.2 | 288.9 | 289.6 | 290.3 | 291.0 |
| 130°   | 299.2 | 299.8  | 300.2 | 301.0 | 301.8 | 302.6 | 303.4 | 304.2 | 305.0 | 305.7 | 306.5 |
| 132.5° | 314.5 | 315.0  | 315.4 | 316.2 | 316.9 | 317.7 | 318.5 | 319.1 | 319.8 | 320.4 | 321.1 |
| 135°   | 328.9 | 329.5  | 329.8 | 330.5 | 331.1 | 331.8 | 332.4 | 333.1 | 333.8 | 334.5 | 335.2 |
| 137.5° | 342.0 | 342.4  | 342.8 | 343.5 | 344.2 | 344.9 | 345.6 | 346.3 | 347.0 | 347.7 | 348.4 |
| 140°   | 354.7 | 355.0  | 355.4 | 356.2 | 356.9 | 357.7 | 358.5 | 359.1 | 359.8 | 360.4 | 361.1 |
| 142.5° | 366.0 | 366.2  | 366.7 | 367.6 | 368.5 | 369.5 | 370.4 | 371.0 | 371.6 | 372.1 | 372.7 |
| 145°   | 375.9 | 375.9  | 376.5 | 377.7 | 379.0 | 380.2 | 381.4 | 381.9 | 382.4 | 382.9 | 383.4 |
| 147.5° | 386.0 | 385.9  | 386.5 | 387.7 | 389.0 | 390.2 | 391.4 | 391.8 | 392.1 | 392.5 | 392.8 |
| 150°   | 395.2 | 394.9  | 395.5 | 396.6 | 397.8 | 398.9 | 400.1 | 400.5 | 400.9 | 401.4 | 401.8 |
| 152.5° | 403.6 | 403.3  | 403.8 | 404.9 | 406.0 | 407.1 | 408.2 | 408.6 | 409.0 | 409.5 | 409.9 |
| 155°   | 411.7 | 411.4  | 411.8 | 412.7 | 413.6 | 414.4 | 415.3 | 415.7 | 416.1 | 416.6 | 417.0 |
| 157.5° | 418.8 | 418.5  | 418.8 | 419.5 | 420.1 | 420.8 | 421.4 | 421.9 | 422.4 | 422.9 | 423.4 |
| 160°   | 425.1 | 424.9  | 425.1 | 425.6 | 426.0 | 426.5 | 426.9 | 427.3 | 427.7 | 428.2 | 428.6 |
| 162.5° | 430.3 | 430.1  | 430.3 | 430.6 | 431.0 | 431.3 | 431.7 | 432.2 | 432.7 | 433.2 | 433.7 |
| 165°   | 434.8 | 434.6  | 434.7 | 434.9 | 435.2 | 435.4 | 435.6 | 436.1 | 436.6 | 437.1 | 437.6 |
| 167.5° | 438.3 | 438.1  | 438.2 | 438.4 | 438.7 | 438.9 | 439.1 | 439.6 | 440.1 | 440.6 | 441.1 |
| 170°   | 441.2 | 441.0  | 441.1 | 441.2 | 441.4 | 441.5 | 441.7 | 442.2 | 442.7 | 443.2 | 443.7 |
| 172.5° | 443.2 | 443.0  | 443.1 | 443.2 | 443.3 | 443.5 | 443.6 | 444.1 | 444.6 | 445.1 | 445.6 |
| 175°   | 444.5 | 444.3  | 444.4 | 444.5 | 444.6 | 444.8 | 444.9 | 445.4 | 445.9 | 446.4 | 446.9 |
| 177.5° | 445.2 | 444.9  | 444.9 | 445.0 | 445.1 | 445.1 | 445.2 | 445.7 | 446.2 | 446.7 | 447.2 |
| 180°   | 445.6 | 445.6  | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 |

TEST NUMBER: P1008504

CATALOG NUMBER: S122RDIP-B865D330UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 |
| 2.5°   | 1800.7 | 1798.1 | 1790.3 | 1792.9 | 1789.0 | 1789.0 | 1786.3 | 1786.3 | 1786.3 | 1792.9 | 1789.0 |
| 5°     | 1702.7 | 1693.5 | 1684.3 | 1680.4 | 1676.5 | 1672.6 | 1672.6 | 1671.3 | 1683.0 | 1680.4 | 1690.9 |
| 7.5°   | 1581.0 | 1578.4 | 1560.1 | 1560.1 | 1553.6 | 1551.0 | 1557.5 | 1558.8 | 1560.1 | 1562.7 | 1569.3 |
| 10°    | 1472.5 | 1466.0 | 1439.8 | 1442.4 | 1438.5 | 1433.3 | 1437.2 | 1434.6 | 1443.7 | 1446.3 | 1443.7 |
| 12.5°  | 1344.3 | 1332.6 | 1303.8 | 1289.4 | 1273.7 | 1261.9 | 1276.3 | 1265.9 | 1302.5 | 1313.0 | 1341.7 |
| 15°    | 1174.3 | 1152.1 | 1132.5 | 1132.5 | 1118.1 | 1107.6 | 1114.2 | 1125.9 | 1133.8 | 1145.6 | 1150.8 |
| 17.5°  | 1060.6 | 1051.4 | 1035.7 | 1026.6 | 1022.6 | 1018.7 | 1018.7 | 1023.9 | 1040.9 | 1039.6 | 1050.1 |
| 20°    | 963.8  | 958.6  | 950.7  | 938.9  | 935.0  | 932.4  | 932.4  | 932.4  | 944.2  | 954.6  | 961.2  |
| 22.5°  | 897.1  | 893.2  | 887.9  | 872.2  | 864.4  | 861.8  | 868.3  | 872.2  | 881.4  | 889.2  | 895.8  |
| 25°    | 830.4  | 821.2  | 812.1  | 806.9  | 802.9  | 802.9  | 805.6  | 806.9  | 810.8  | 814.7  | 822.6  |
| 27.5°  | 775.5  | 768.9  | 755.9  | 741.5  | 741.5  | 737.6  | 740.2  | 742.8  | 751.9  | 765.0  | 771.6  |
| 30°    | 714.0  | 712.7  | 707.5  | 702.2  | 697.0  | 694.4  | 699.6  | 703.6  | 704.9  | 711.4  | 711.4  |
| 32.5°  | 669.6  | 660.4  | 651.2  | 646.0  | 643.4  | 642.1  | 643.4  | 648.6  | 648.6  | 656.5  | 665.6  |
| 35°    | 625.1  | 619.9  | 610.7  | 601.6  | 598.9  | 592.4  | 597.6  | 602.9  | 612.0  | 615.9  | 619.9  |
| 37.5°  | 576.7  | 570.2  | 566.2  | 563.6  | 558.4  | 559.7  | 555.8  | 563.6  | 571.5  | 570.2  | 572.8  |
| 40°    | 540.1  | 528.3  | 516.5  | 515.2  | 513.9  | 512.6  | 512.6  | 513.9  | 519.2  | 524.4  | 532.2  |
| 42.5°  | 493.0  | 489.1  | 478.6  | 468.2  | 465.5  | 462.9  | 460.3  | 465.5  | 476.0  | 485.2  | 489.1  |
| 45°    | 444.6  | 439.4  | 436.8  | 428.9  | 423.7  | 422.4  | 419.8  | 426.3  | 435.5  | 439.4  | 442.0  |
| 47.5°  | 400.2  | 398.9  | 391.0  | 392.3  | 388.4  | 389.7  | 388.4  | 392.3  | 392.3  | 396.2  | 398.9  |
| 50°    | 370.1  | 366.2  | 362.2  | 359.6  | 355.7  | 355.7  | 354.4  | 355.7  | 360.9  | 366.2  | 364.9  |
| 52.5°  | 340.0  | 333.5  | 332.2  | 330.9  | 328.2  | 330.9  | 326.9  | 328.2  | 333.5  | 336.1  | 334.8  |
| 55°    | 304.7  | 303.4  | 300.8  | 298.2  | 296.9  | 295.5  | 295.5  | 295.5  | 300.8  | 304.7  | 306.0  |
| 57.5°  | 277.2  | 270.7  | 265.5  | 265.5  | 260.2  | 258.9  | 261.5  | 262.9  | 266.8  | 269.4  | 272.0  |
| 60°    | 239.3  | 236.7  | 228.9  | 224.9  | 217.1  | 215.8  | 215.8  | 221.0  | 227.5  | 236.7  | 239.3  |
| 62.5°  | 198.8  | 194.9  | 193.5  | 193.5  | 193.5  | 193.5  | 193.5  | 193.5  | 193.5  | 194.9  | 194.9  |
| 65°    | 176.5  | 177.8  | 176.5  | 175.2  | 176.5  | 176.5  | 175.2  | 175.2  | 175.2  | 176.5  | 177.8  |
| 67.5°  | 158.2  | 156.9  | 158.2  | 156.9  | 155.6  | 155.6  | 154.3  | 155.6  | 156.9  | 158.2  | 158.2  |
| 70°    | 137.3  | 137.3  | 136.0  | 137.3  | 136.0  | 134.7  | 133.4  | 133.4  | 136.0  | 137.3  | 137.3  |
| 72.5°  | 117.7  | 117.7  | 116.4  | 116.4  | 113.8  | 113.8  | 115.1  | 113.8  | 113.8  | 117.7  | 117.7  |
| 75°    | 98.1   | 96.8   | 95.5   | 95.5   | 94.2   | 94.2   | 94.2   | 92.8   | 95.5   | 95.5   | 96.8   |
| 77.5°  | 77.2   | 77.2   | 77.2   | 75.8   | 75.8   | 74.5   | 74.5   | 75.8   | 75.8   | 75.8   | 77.2   |
| 80°    | 58.8   | 58.8   | 58.8   | 57.5   | 56.2   | 56.2   | 56.2   | 56.2   | 56.2   | 57.5   | 56.2   |
| 82.5°  | 40.5   | 40.5   | 40.5   | 40.5   | 40.5   | 39.2   | 39.2   | 39.2   | 40.5   | 40.5   | 39.2   |
| 85°    | 24.8   | 23.5   | 24.8   | 24.8   | 23.5   | 24.8   | 23.5   | 23.5   | 22.2   | 22.2   | 23.5   |
| 87.5°  | 10.5   | 9.2    | 7.8    | 7.8    | 9.2    | 7.8    | 7.8    | 7.8    | 9.2    | 7.8    | 7.8    |
| 90°    | 8.1    | 8.2    | 8.3    | 8.4    | 8.6    | 8.7    | 8.6    | 8.4    | 8.3    | 8.2    | 8.1    |
| 92.5°  | 8.4    | 8.4    | 8.5    | 8.6    | 8.6    | 8.7    | 8.6    | 8.6    | 8.5    | 8.4    | 8.4    |
| 95°    | 14.2   | 14.2   | 14.1   | 14.0   | 14.0   | 13.9   | 14.0   | 14.0   | 14.1   | 14.2   | 14.2   |
| 97.5°  | 17.4   | 17.4   | 17.5   | 17.6   | 17.6   | 17.7   | 17.6   | 17.6   | 17.5   | 17.4   | 17.4   |
| 100°   | 21.0   | 21.1   | 21.2   | 21.3   | 21.5   | 21.6   | 21.5   | 21.3   | 21.2   | 21.1   | 21.0   |
| 102.5° | 22.6   | 22.7   | 22.9   | 23.1   | 23.3   | 23.5   | 23.3   | 23.1   | 22.9   | 22.7   | 22.6   |
| 105°   | 23.2   | 23.3   | 23.6   | 23.9   | 24.2   | 24.5   | 24.2   | 23.9   | 23.6   | 23.3   | 23.2   |
| 107.5° | 23.9   | 24.0   | 24.3   | 24.6   | 24.8   | 25.1   | 24.8   | 24.6   | 24.3   | 24.0   | 23.9   |
| 110°   | 24.2   | 24.3   | 24.6   | 24.9   | 25.2   | 25.5   | 25.2   | 24.9   | 24.6   | 24.3   | 24.2   |



TEST NUMBER: P1008504

CATALOG NUMBER: S122RDIP-B865D330UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 24.8   | 24.9  | 25.1  | 25.4  | 25.6  | 25.8  | 25.6  | 25.4  | 25.1  | 24.9  | 24.8   |
| 115°   | 49.6   | 47.0  | 41.9  | 36.7  | 31.6  | 26.4  | 31.6  | 36.7  | 41.9  | 47.0  | 49.6   |
| 117.5° | 170.2  | 160.8 | 142.1 | 123.3 | 104.6 | 85.8  | 104.6 | 123.3 | 142.1 | 160.8 | 170.2  |
| 120°   | 240.2  | 235.4 | 225.7 | 216.0 | 206.4 | 196.7 | 206.4 | 216.0 | 225.7 | 235.4 | 240.2  |
| 122.5° | 257.3  | 257.3 | 257.4 | 257.5 | 257.5 | 257.6 | 257.5 | 257.5 | 257.4 | 257.3 | 257.3  |
| 125°   | 274.7  | 274.8 | 275.0 | 275.3 | 275.5 | 275.7 | 275.5 | 275.3 | 275.0 | 274.8 | 274.7  |
| 127.5° | 291.4  | 291.4 | 291.5 | 291.6 | 291.7 | 291.8 | 291.7 | 291.6 | 291.5 | 291.4 | 291.4  |
| 130°   | 306.9  | 306.9 | 306.8 | 306.7 | 306.7 | 306.6 | 306.7 | 306.7 | 306.8 | 306.9 | 306.9  |
| 132.5° | 321.4  | 321.4 | 321.3 | 321.2 | 321.2 | 321.1 | 321.2 | 321.2 | 321.3 | 321.4 | 321.4  |
| 135°   | 335.6  | 335.5 | 335.4 | 335.3 | 335.1 | 335.0 | 335.1 | 335.3 | 335.4 | 335.5 | 335.6  |
| 137.5° | 348.8  | 348.7 | 348.5 | 348.3 | 348.1 | 347.9 | 348.1 | 348.3 | 348.5 | 348.7 | 348.8  |
| 140°   | 361.4  | 361.2 | 360.9 | 360.5 | 360.2 | 359.8 | 360.2 | 360.5 | 360.9 | 361.2 | 361.4  |
| 142.5° | 373.0  | 372.8 | 372.5 | 372.1 | 371.8 | 371.4 | 371.8 | 372.1 | 372.5 | 372.8 | 373.0  |
| 145°   | 383.7  | 383.5 | 383.1 | 382.8 | 382.4 | 382.0 | 382.4 | 382.8 | 383.1 | 383.5 | 383.7  |
| 147.5° | 393.0  | 392.9 | 392.6 | 392.3 | 392.0 | 391.7 | 392.0 | 392.3 | 392.6 | 392.9 | 393.0  |
| 150°   | 402.0  | 401.8 | 401.5 | 401.1 | 400.8 | 400.4 | 400.8 | 401.1 | 401.5 | 401.8 | 402.0  |
| 152.5° | 410.1  | 409.8 | 409.3 | 408.8 | 408.3 | 407.8 | 408.3 | 408.8 | 409.3 | 409.8 | 410.1  |
| 155°   | 417.2  | 416.9 | 416.3 | 415.8 | 415.2 | 414.6 | 415.2 | 415.8 | 416.3 | 416.9 | 417.2  |
| 157.5° | 423.6  | 423.3 | 422.8 | 422.2 | 421.7 | 421.1 | 421.7 | 422.2 | 422.8 | 423.3 | 423.6  |
| 160°   | 428.8  | 428.5 | 428.0 | 427.5 | 427.0 | 426.5 | 427.0 | 427.5 | 428.0 | 428.5 | 428.8  |
| 162.5° | 434.0  | 433.7 | 433.0 | 432.3 | 431.7 | 431.0 | 431.7 | 432.3 | 433.0 | 433.7 | 434.0  |
| 165°   | 437.8  | 437.6 | 437.1 | 436.6 | 436.1 | 435.6 | 436.1 | 436.6 | 437.1 | 437.6 | 437.8  |
| 167.5° | 441.4  | 441.1 | 440.4 | 439.8 | 439.1 | 438.5 | 439.1 | 439.8 | 440.4 | 441.1 | 441.4  |
| 170°   | 443.9  | 443.6 | 442.9 | 442.3 | 441.6 | 441.0 | 441.6 | 442.3 | 442.9 | 443.6 | 443.9  |
| 172.5° | 445.9  | 445.6 | 444.9 | 444.3 | 443.6 | 443.0 | 443.6 | 444.3 | 444.9 | 445.6 | 445.9  |
| 175°   | 447.2  | 446.8 | 446.1 | 445.4 | 444.6 | 443.9 | 444.6 | 445.4 | 446.1 | 446.8 | 447.2  |
| 177.5° | 447.5  | 447.2 | 446.5 | 445.9 | 445.2 | 444.6 | 445.2 | 445.9 | 446.5 | 447.2 | 447.5  |
| 180°   | 445.6  | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6  |

TEST NUMBER: P1008504

CATALOG NUMBER: S122RDIP-B865D330UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 | 1881.8 |
| 2.5°   | 1792.9 | 1799.4 | 1796.8 | 1782.4 | 1796.8 | 1800.7 | 1808.6 | 1816.4 | 1821.7 | 1829.5 | 1836.0 |
| 5°     | 1680.4 | 1693.5 | 1701.3 | 1693.5 | 1719.7 | 1723.6 | 1741.9 | 1752.3 | 1768.0 | 1781.1 | 1791.6 |
| 7.5°   | 1574.5 | 1585.0 | 1600.6 | 1603.3 | 1619.0 | 1637.3 | 1663.4 | 1689.6 | 1714.4 | 1727.5 | 1739.3 |
| 10°    | 1460.7 | 1479.0 | 1502.6 | 1497.3 | 1520.9 | 1549.6 | 1577.1 | 1619.0 | 1639.9 | 1663.4 | 1684.3 |
| 12.5°  | 1347.0 | 1358.7 | 1390.1 | 1400.6 | 1434.6 | 1456.8 | 1494.7 | 1520.9 | 1573.2 | 1600.6 | 1619.0 |
| 15°    | 1148.2 | 1196.6 | 1235.8 | 1282.9 | 1327.3 | 1369.2 | 1403.2 | 1450.3 | 1496.0 | 1517.0 | 1547.0 |
| 17.5°  | 1057.9 | 1080.2 | 1103.7 | 1127.3 | 1184.8 | 1259.3 | 1319.5 | 1370.5 | 1409.7 | 1437.2 | 1472.5 |
| 20°    | 963.8  | 986.0  | 1012.2 | 1034.4 | 1069.7 | 1123.3 | 1197.9 | 1285.5 | 1332.6 | 1361.3 | 1395.3 |
| 22.5°  | 897.1  | 918.0  | 935.0  | 954.6  | 982.1  | 1021.3 | 1077.6 | 1186.1 | 1248.9 | 1284.2 | 1314.3 |
| 25°    | 825.2  | 851.3  | 869.6  | 884.0  | 906.3  | 949.4  | 995.2  | 1056.6 | 1169.1 | 1196.6 | 1238.4 |
| 27.5°  | 775.5  | 783.3  | 804.2  | 826.5  | 848.7  | 872.2  | 919.3  | 971.6  | 1047.5 | 1107.6 | 1158.6 |
| 30°    | 716.6  | 736.2  | 755.9  | 765.0  | 784.6  | 818.6  | 847.4  | 903.6  | 962.5  | 1009.6 | 1071.0 |
| 32.5°  | 672.2  | 683.9  | 697.0  | 719.2  | 737.6  | 761.1  | 789.9  | 836.9  | 886.6  | 916.7  | 963.8  |
| 35°    | 622.5  | 630.3  | 657.8  | 666.9  | 685.2  | 708.8  | 737.6  | 774.2  | 827.8  | 851.3  | 885.3  |
| 37.5°  | 575.4  | 593.7  | 601.6  | 622.5  | 639.5  | 663.0  | 683.9  | 725.8  | 761.1  | 788.6  | 819.9  |
| 40°    | 538.8  | 546.6  | 561.0  | 579.3  | 593.7  | 612.0  | 638.2  | 668.2  | 706.2  | 728.4  | 755.9  |
| 42.5°  | 494.3  | 500.9  | 519.2  | 529.6  | 553.2  | 570.2  | 585.9  | 622.5  | 656.5  | 673.5  | 700.9  |
| 45°    | 445.9  | 461.6  | 473.4  | 494.3  | 507.4  | 528.3  | 547.9  | 574.1  | 605.5  | 625.1  | 640.8  |
| 47.5°  | 404.1  | 419.8  | 431.5  | 451.2  | 472.1  | 481.2  | 502.2  | 529.6  | 558.4  | 574.1  | 596.3  |
| 50°    | 370.1  | 375.3  | 397.5  | 406.7  | 428.9  | 447.2  | 461.6  | 485.2  | 516.5  | 525.7  | 544.0  |
| 52.5°  | 337.4  | 341.3  | 355.7  | 367.5  | 387.1  | 402.8  | 421.1  | 443.3  | 469.5  | 483.9  | 498.2  |
| 55°    | 308.6  | 311.2  | 317.8  | 330.9  | 343.9  | 363.5  | 380.5  | 401.5  | 423.7  | 439.4  | 452.5  |
| 57.5°  | 275.9  | 281.2  | 286.4  | 294.2  | 307.3  | 325.6  | 343.9  | 363.5  | 381.9  | 392.3  | 409.3  |
| 60°    | 238.0  | 245.9  | 255.0  | 264.2  | 273.3  | 286.4  | 307.3  | 325.6  | 342.6  | 351.8  | 364.9  |
| 62.5°  | 197.5  | 213.2  | 221.0  | 231.5  | 239.3  | 251.1  | 266.8  | 287.7  | 299.5  | 311.2  | 321.7  |
| 65°    | 177.8  | 179.2  | 180.5  | 190.9  | 205.3  | 217.1  | 231.5  | 247.2  | 265.5  | 273.3  | 281.2  |
| 67.5°  | 158.2  | 159.5  | 162.2  | 163.5  | 168.7  | 181.8  | 197.5  | 214.5  | 228.9  | 234.1  | 241.9  |
| 70°    | 138.6  | 138.6  | 143.8  | 145.2  | 146.5  | 147.8  | 160.8  | 177.8  | 190.9  | 197.5  | 206.6  |
| 72.5°  | 117.7  | 119.0  | 121.6  | 122.9  | 125.5  | 128.2  | 132.1  | 141.2  | 156.9  | 163.5  | 173.9  |
| 75°    | 96.8   | 98.1   | 99.4   | 100.7  | 104.6  | 105.9  | 109.8  | 115.1  | 121.6  | 129.5  | 136.0  |
| 77.5°  | 77.2   | 77.2   | 78.5   | 81.1   | 83.7   | 85.0   | 88.9   | 91.5   | 94.2   | 98.1   | 103.3  |
| 80°    | 57.5   | 58.8   | 58.8   | 61.5   | 61.5   | 62.8   | 64.1   | 68.0   | 70.6   | 73.2   | 75.8   |
| 82.5°  | 39.2   | 41.8   | 41.8   | 41.8   | 43.2   | 44.5   | 45.8   | 45.8   | 48.4   | 49.7   | 53.6   |
| 85°    | 23.5   | 24.8   | 24.8   | 24.8   | 23.5   | 26.2   | 26.2   | 27.5   | 27.5   | 27.5   | 28.8   |
| 87.5°  | 9.2    | 7.8    | 9.2    | 9.2    | 9.2    | 10.5   | 9.2    | 9.2    | 10.5   | 11.8   | 11.8   |
| 90°    | 7.9    | 7.5    | 7.2    | 6.8    | 6.4    | 5.8    | 5.3    | 4.7    | 4.2    | 3.9    | 3.5    |
| 92.5°  | 8.3    | 8.2    | 8.0    | 7.9    | 7.7    | 7.5    | 7.3    | 7.1    | 6.9    | 6.8    | 6.9    |
| 95°    | 14.0   | 13.7   | 13.3   | 13.0   | 12.6   | 12.1   | 11.6   | 11.1   | 10.6   | 10.3   | 11.5   |
| 97.5°  | 17.3   | 17.1   | 16.8   | 16.6   | 16.4   | 15.3   | 14.1   | 13.0   | 11.9   | 11.3   | 14.2   |
| 100°   | 20.7   | 20.1   | 19.6   | 19.0   | 18.4   | 17.2   | 16.0   | 14.7   | 13.5   | 12.9   | 17.8   |
| 102.5° | 22.2   | 21.4   | 20.6   | 19.8   | 19.0   | 32.0   | 45.1   | 58.1   | 71.2   | 77.7   | 77.8   |
| 105°   | 22.8   | 22.0   | 21.3   | 20.5   | 19.7   | 39.3   | 58.8   | 78.4   | 97.9   | 107.7  | 106.6  |
| 107.5° | 23.5   | 22.7   | 21.9   | 21.1   | 20.3   | 44.5   | 68.6   | 92.8   | 116.9  | 129.0  | 128.1  |
| 110°   | 27.8   | 34.9   | 42.1   | 49.2   | 56.4   | 77.1   | 97.8   | 118.5  | 139.2  | 149.6  | 148.8  |

TEST NUMBER: P1008504

CATALOG NUMBER: S122RDIP-B865D330UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 40.2  | 71.1  | 102.0 | 132.9 | 163.8 | 165.0 | 166.2 | 167.5 | 168.7 | 169.3  | 168.7 |
| 115°   | 66.2  | 99.4  | 132.5 | 165.7 | 198.9 | 197.1 | 195.3 | 193.6 | 191.8 | 190.9  | 190.3 |
| 117.5° | 175.3 | 185.6 | 195.8 | 206.1 | 216.3 | 215.1 | 213.9 | 212.6 | 211.4 | 210.8  | 210.1 |
| 120°   | 239.8 | 238.9 | 238.0 | 237.2 | 236.3 | 235.0 | 233.7 | 232.4 | 231.1 | 230.5  | 230.0 |
| 122.5° | 257.1 | 256.6 | 256.2 | 255.7 | 255.3 | 253.9 | 252.5 | 251.0 | 249.6 | 248.9  | 248.3 |
| 125°   | 274.4 | 273.9 | 273.4 | 272.9 | 272.4 | 271.0 | 269.7 | 268.3 | 267.0 | 266.3  | 265.8 |
| 127.5° | 291.0 | 290.3 | 289.6 | 288.9 | 288.2 | 287.1 | 286.1 | 285.0 | 283.9 | 283.4  | 282.9 |
| 130°   | 306.5 | 305.7 | 305.0 | 304.2 | 303.4 | 302.6 | 301.8 | 301.0 | 300.2 | 299.8  | 299.2 |
| 132.5° | 321.1 | 320.4 | 319.8 | 319.1 | 318.5 | 317.7 | 316.9 | 316.2 | 315.4 | 315.0  | 314.5 |
| 135°   | 335.2 | 334.5 | 333.8 | 333.1 | 332.4 | 331.8 | 331.1 | 330.5 | 329.8 | 329.5  | 328.9 |
| 137.5° | 348.4 | 347.7 | 347.0 | 346.3 | 345.6 | 344.9 | 344.2 | 343.5 | 342.8 | 342.4  | 342.0 |
| 140°   | 361.1 | 360.4 | 359.8 | 359.1 | 358.5 | 357.7 | 356.9 | 356.2 | 355.4 | 355.0  | 354.7 |
| 142.5° | 372.7 | 372.1 | 371.6 | 371.0 | 370.4 | 369.5 | 368.5 | 367.6 | 366.7 | 366.2  | 366.0 |
| 145°   | 383.4 | 382.9 | 382.4 | 381.9 | 381.4 | 380.2 | 379.0 | 377.7 | 376.5 | 375.9  | 375.9 |
| 147.5° | 392.8 | 392.5 | 392.1 | 391.8 | 391.4 | 390.2 | 389.0 | 387.7 | 386.5 | 385.9  | 386.0 |
| 150°   | 401.8 | 401.4 | 400.9 | 400.5 | 400.1 | 398.9 | 397.8 | 396.6 | 395.5 | 394.9  | 395.2 |
| 152.5° | 409.9 | 409.5 | 409.0 | 408.6 | 408.2 | 407.1 | 406.0 | 404.9 | 403.8 | 403.3  | 403.6 |
| 155°   | 417.0 | 416.6 | 416.1 | 415.7 | 415.3 | 414.4 | 413.6 | 412.7 | 411.8 | 411.4  | 411.7 |
| 157.5° | 423.4 | 422.9 | 422.4 | 421.9 | 421.4 | 420.8 | 420.1 | 419.5 | 418.8 | 418.5  | 418.8 |
| 160°   | 428.6 | 428.2 | 427.7 | 427.3 | 426.9 | 426.5 | 426.0 | 425.6 | 425.1 | 424.9  | 425.1 |
| 162.5° | 433.7 | 433.2 | 432.7 | 432.2 | 431.7 | 431.3 | 431.0 | 430.6 | 430.3 | 430.1  | 430.3 |
| 165°   | 437.6 | 437.1 | 436.6 | 436.1 | 435.6 | 435.4 | 435.2 | 434.9 | 434.7 | 434.6  | 434.8 |
| 167.5° | 441.1 | 440.6 | 440.1 | 439.6 | 439.1 | 438.9 | 438.7 | 438.4 | 438.2 | 438.1  | 438.3 |
| 170°   | 443.7 | 443.2 | 442.7 | 442.2 | 441.7 | 441.5 | 441.4 | 441.2 | 441.1 | 441.0  | 441.2 |
| 172.5° | 445.6 | 445.1 | 444.6 | 444.1 | 443.6 | 443.5 | 443.3 | 443.2 | 443.1 | 443.0  | 443.2 |
| 175°   | 446.9 | 446.4 | 445.9 | 445.4 | 444.9 | 444.8 | 444.6 | 444.5 | 444.4 | 444.3  | 444.5 |
| 177.5° | 447.2 | 446.7 | 446.2 | 445.7 | 445.2 | 445.1 | 445.1 | 445.0 | 444.9 | 444.9  | 445.2 |
| 180°   | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6 | 445.6  | 445.6 |

TEST NUMBER: P1008504

CATALOG NUMBER: S122RDIP-B865D330UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1881.8 | 1881.8 | 1881.8 | 1881.8 |
| 2.5°   | 1847.8 | 1843.9 | 1867.4 | 1893.6 |
| 5°     | 1809.9 | 1816.4 | 1846.5 | 1883.1 |
| 7.5°   | 1770.7 | 1785.0 | 1820.3 | 1868.7 |
| 10°    | 1715.7 | 1741.9 | 1795.5 | 1845.2 |
| 12.5°  | 1662.1 | 1697.4 | 1748.4 | 1807.3 |
| 15°    | 1602.0 | 1641.2 | 1704.0 | 1774.6 |
| 17.5°  | 1535.3 | 1579.7 | 1653.0 | 1730.1 |
| 20°    | 1464.6 | 1523.5 | 1600.6 | 1684.3 |
| 22.5°  | 1386.2 | 1456.8 | 1536.6 | 1629.4 |
| 25°    | 1310.3 | 1387.5 | 1467.3 | 1574.5 |
| 27.5°  | 1235.8 | 1311.6 | 1400.6 | 1509.1 |
| 30°    | 1161.3 | 1230.6 | 1326.0 | 1442.4 |
| 32.5°  | 1081.5 | 1153.4 | 1254.1 | 1373.1 |
| 35°    | 1008.3 | 1080.2 | 1174.3 | 1292.0 |
| 37.5°  | 929.8  | 1006.9 | 1097.2 | 1218.8 |
| 40°    | 838.2  | 928.5  | 1016.1 | 1132.5 |
| 42.5°  | 762.4  | 857.9  | 942.9  | 1052.7 |
| 45°    | 702.2  | 792.5  | 863.1  | 970.3  |
| 47.5°  | 646.0  | 719.2  | 791.2  | 890.6  |
| 50°    | 592.4  | 648.6  | 723.2  | 812.1  |
| 52.5°  | 537.5  | 585.9  | 649.9  | 733.6  |
| 55°    | 487.8  | 533.5  | 591.1  | 655.2  |
| 57.5°  | 442.0  | 474.7  | 532.2  | 589.8  |
| 60°    | 391.0  | 425.0  | 469.5  | 517.9  |
| 62.5°  | 347.9  | 374.0  | 415.9  | 456.4  |
| 65°    | 302.1  | 326.9  | 358.3  | 396.2  |
| 67.5°  | 260.2  | 282.5  | 307.3  | 337.4  |
| 70°    | 222.3  | 239.3  | 257.6  | 283.8  |
| 72.5°  | 181.8  | 200.1  | 217.1  | 238.0  |
| 75°    | 149.1  | 156.9  | 171.3  | 185.7  |
| 77.5°  | 115.1  | 125.5  | 133.4  | 145.2  |
| 80°    | 82.4   | 91.5   | 94.2   | 103.3  |
| 82.5°  | 54.9   | 60.2   | 65.4   | 68.0   |
| 85°    | 31.4   | 34.0   | 39.2   | 40.5   |
| 87.5°  | 11.8   | 13.1   | 15.7   | 18.3   |
| 90°    | 2.7    | 1.9    | 1.1    | 0.3    |
| 92.5°  | 7.2    | 7.5    | 7.8    | 8.1    |
| 95°    | 13.9   | 16.2   | 18.6   | 21.0   |
| 97.5°  | 20.1   | 26.0   | 31.8   | 37.7   |
| 100°   | 27.6   | 37.5   | 47.3   | 57.1   |
| 102.5° | 77.9   | 78.0   | 78.2   | 78.3   |
| 105°   | 104.5  | 102.3  | 100.2  | 98.0   |
| 107.5° | 126.3  | 124.5  | 122.7  | 120.9  |
| 110°   | 147.3  | 145.8  | 144.3  | 142.8  |



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**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 167.4 | 166.1 | 164.8 | 163.5 |
| 115°   | 189.1 | 187.8 | 186.6 | 185.4 |
| 117.5° | 208.7 | 207.2 | 205.8 | 204.4 |
| 120°   | 228.9 | 227.8 | 226.8 | 225.7 |
| 122.5° | 247.2 | 246.0 | 244.9 | 243.7 |
| 125°   | 264.9 | 264.0 | 263.0 | 262.1 |
| 127.5° | 281.9 | 280.9 | 279.9 | 278.9 |
| 130°   | 298.1 | 297.0 | 295.8 | 294.7 |
| 132.5° | 313.6 | 312.7 | 311.7 | 310.8 |
| 135°   | 327.8 | 326.6 | 325.5 | 324.3 |
| 137.5° | 341.1 | 340.2 | 339.4 | 338.5 |
| 140°   | 354.1 | 353.6 | 353.0 | 352.4 |
| 142.5° | 365.5 | 365.0 | 364.5 | 364.0 |
| 145°   | 376.0 | 376.1 | 376.1 | 376.2 |
| 147.5° | 386.2 | 386.5 | 386.7 | 386.9 |
| 150°   | 395.7 | 396.2 | 396.7 | 397.2 |
| 152.5° | 404.2 | 404.7 | 405.3 | 405.9 |
| 155°   | 412.4 | 413.0 | 413.7 | 414.3 |
| 157.5° | 419.4 | 419.9 | 420.5 | 421.1 |
| 160°   | 425.6 | 426.0 | 426.5 | 426.9 |
| 162.5° | 430.7 | 431.2 | 431.6 | 432.0 |
| 165°   | 435.2 | 435.7 | 436.1 | 436.5 |
| 167.5° | 438.8 | 439.2 | 439.7 | 440.1 |
| 170°   | 441.7 | 442.1 | 442.6 | 443.0 |
| 172.5° | 443.6 | 444.1 | 444.5 | 444.9 |
| 175°   | 445.0 | 445.5 | 446.0 | 446.5 |
| 177.5° | 445.7 | 446.2 | 446.7 | 447.2 |
| 180°   | 445.6 | 445.6 | 445.6 | 445.6 |

(END OF REPORT)