

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: P1008515

Luminaire Tested: S122RDIP-B865D530UB2750-4F0-XX-W2A-A\_3000K

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1008515  
REPORT IS A COMBINATION OF REPORTS P988706 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S122RDIP-B865D530UB2750-4F0-XX-W2A-A\_3000K  
Description: Define 2 Regressed Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589}  
{m-EER=0.647}  
Light Source: -  
Ballast/Driver: -

**Summary**

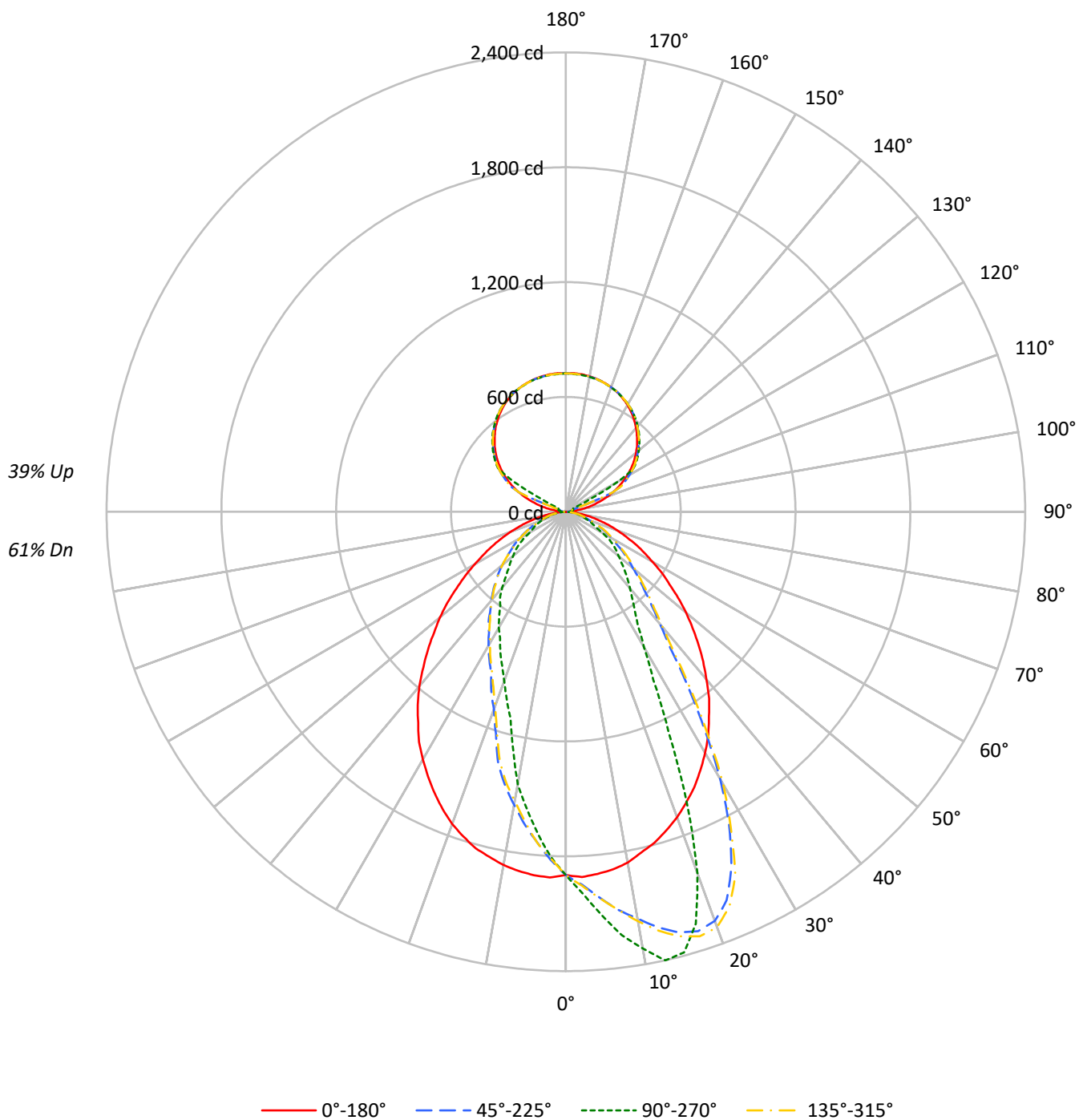
Lumens per Lamp: N/A  
Luminaire Lumens: 5400.0 lumens  
Efficiency: N/A  
Efficacy: 86.8 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 62.2  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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CATALOG NUMBER: S122RDIP-B865D530UB2750-4F0-XX-W2A-A\_3000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1008515

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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   | 110 | 110 | 110 | 110 | 103 | 103 | 103 | 103 | 89 | 89 | 89 | 77 | 77 | 77 | 66 | 66 | 66 | 66 | 66 | 61 |
| 1   | 101 | 97  | 93  | 90  | 95  | 91  | 88  | 85  | 80 | 77 | 75 | 69 | 68 | 66 | 60 | 59 | 58 | 58 | 58 | 53 |
| 2   | 93  | 86  | 80  | 75  | 87  | 81  | 76  | 72  | 71 | 67 | 64 | 62 | 59 | 57 | 54 | 52 | 50 | 50 | 50 | 46 |
| 3   | 85  | 77  | 70  | 64  | 80  | 72  | 66  | 61  | 64 | 59 | 55 | 56 | 52 | 49 | 49 | 46 | 44 | 44 | 44 | 40 |
| 4   | 79  | 69  | 61  | 55  | 74  | 65  | 58  | 53  | 57 | 52 | 48 | 51 | 47 | 43 | 44 | 41 | 39 | 39 | 39 | 36 |
| 5   | 73  | 62  | 54  | 48  | 68  | 58  | 51  | 46  | 52 | 46 | 42 | 46 | 42 | 38 | 40 | 37 | 35 | 35 | 35 | 32 |
| 6   | 68  | 56  | 48  | 43  | 63  | 53  | 46  | 41  | 47 | 42 | 38 | 42 | 38 | 34 | 37 | 34 | 31 | 31 | 31 | 28 |
| 7   | 63  | 51  | 43  | 38  | 59  | 48  | 41  | 37  | 43 | 38 | 34 | 39 | 34 | 31 | 34 | 31 | 28 | 28 | 28 | 26 |
| 8   | 59  | 47  | 39  | 34  | 55  | 44  | 38  | 33  | 40 | 34 | 30 | 36 | 31 | 28 | 32 | 28 | 26 | 26 | 26 | 23 |
| 9   | 55  | 43  | 36  | 31  | 52  | 41  | 34  | 30  | 37 | 31 | 28 | 33 | 29 | 26 | 30 | 26 | 23 | 23 | 23 | 21 |
| 10  | 51  | 40  | 33  | 28  | 48  | 38  | 31  | 27  | 34 | 29 | 25 | 31 | 27 | 23 | 28 | 24 | 22 | 22 | 22 | 20 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 30044 | 30044 | 30044 | 30044 |
| 5°  | 30114 | 31912 | 30218 | 25494 |
| 10° | 29783 | 33729 | 29994 | 21052 |
| 15° | 29137 | 33740 | 29630 | 15816 |
| 20° | 28359 | 27889 | 28976 | 13048 |
| 25° | 27418 | 17427 | 28008 | 11101 |
| 30° | 26213 | 11158 | 26926 | 9556  |
| 35° | 24750 | 8575  | 25551 | 8178  |
| 40° | 23117 | 7208  | 24105 | 7153  |
| 45° | 21375 | 6136  | 22268 | 6004  |
| 50° | 19588 | 5213  | 20501 | 5194  |
| 55° | 17608 | 4529  | 18556 | 4471  |
| 60° | 15849 | 3455  | 16690 | 3412  |
| 65° | 14209 | 2600  | 15052 | 2950  |
| 70° | 12394 | 2077  | 13365 | 2404  |
| 75° | 10478 | 1591  | 11434 | 1818  |
| 80° | 8319  | 1081  | 8950  | 1192  |
| 85° | 5777  | 557   | 6328  | 590   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 27484 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 180.0  | 3.3       |
| 10°-20°   | 502.5  | 9.3       |
| 20°-30°   | 646.7  | 12.0      |
| 30°-40°   | 613.5  | 11.4      |
| 40°-50°   | 525.8  | 9.7       |
| 50°-60°   | 400.4  | 7.4       |
| 60°-70°   | 252.5  | 4.7       |
| 70°-80°   | 126.0  | 2.3       |
| 80°-90°   | 33.7   | 0.6       |
| 90°-100°  | 23.8   | 0.4       |
| 100°-110° | 88.8   | 1.6       |
| 110°-120° | 235.6  | 4.4       |
| 120°-130° | 390.8  | 7.2       |
| 130°-140° | 415.1  | 7.7       |
| 140°-150° | 385.8  | 7.1       |
| 150°-160° | 310.2  | 5.7       |
| 160°-170° | 199.9  | 3.7       |
| 170°-180° | 68.8   | 1.3       |
| 0°-30°    | 1329.3 | 24.6      |
| 0°-40°    | 1942.8 | 36.0      |
| 0°-60°    | 2869.1 | 53.1      |
| 0°-90°    | 3281.3 | 60.8      |
| 90°-120°  | 348.3  | 6.4       |
| 90°-150°  | 1539.9 | 28.5      |
| 90°-180°  | 2119.0 | 39.2      |
| 0°-180°   | 5400.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1898 | 1898 | 1898 | 1898 | 1898 |      |
| 5°   | 1899 | 2112 | 1906 | 1687 | 1899 | 180  |
| 15°  | 1790 | 2383 | 1820 | 1117 | 1790 | 504  |
| 25°  | 1588 | 1272 | 1622 | 810  | 1588 | 729  |
| 35°  | 1303 | 626  | 1345 | 598  | 1303 | 815  |
| 45°  | 979  | 435  | 1020 | 426  | 979  | 755  |
| 55°  | 661  | 302  | 696  | 298  | 661  | 596  |
| 65°  | 400  | 157  | 423  | 178  | 400  | 397  |
| 75°  | 187  | 83   | 204  | 95   | 187  | 203  |
| 85°  | 41   | 24   | 45   | 25   | 41   | 46   |
| 90°  | 0    | 14   | 0    | 14   | 0    | 4    |
| 95°  | 34   | 22   | 34   | 22   | 34   | 40   |
| 105° | 159  | 40   | 159  | 40   | 159  | 170  |
| 115° | 301  | 43   | 301  | 43   | 301  | 296  |
| 125° | 425  | 447  | 425  | 447  | 425  | 379  |
| 135° | 526  | 543  | 526  | 543  | 526  | 406  |
| 145° | 610  | 620  | 610  | 620  | 610  | 382  |
| 155° | 672  | 672  | 672  | 672  | 672  | 310  |
| 165° | 708  | 706  | 708  | 706  | 708  | 200  |
| 175° | 724  | 720  | 724  | 720  | 724  | 69   |
| 180° | 723  | 723  | 723  | 723  | 723  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 |
| 2.5°   | 1909.9 | 1917.8 | 1921.8 | 1927.0 | 1938.9 | 1946.8 | 1958.7 | 1961.3 | 1960.0 | 1965.3 | 1950.8 |
| 5°     | 1899.3 | 1916.5 | 1932.3 | 1945.5 | 1966.6 | 1979.8 | 1994.3 | 2011.4 | 2015.4 | 2035.2 | 2023.3 |
| 7.5°   | 1884.8 | 1909.9 | 1932.3 | 1958.7 | 1990.3 | 2007.5 | 2029.9 | 2056.3 | 2068.2 | 2091.9 | 2098.5 |
| 10°    | 1861.1 | 1896.7 | 1934.9 | 1962.6 | 2006.2 | 2036.5 | 2057.6 | 2099.8 | 2127.5 | 2163.1 | 2157.9 |
| 12.5°  | 1822.8 | 1869.0 | 1920.4 | 1966.6 | 2023.3 | 2043.1 | 2082.7 | 2126.2 | 2161.8 | 2194.8 | 2223.8 |
| 15°    | 1789.9 | 1842.6 | 1899.3 | 1956.0 | 2020.7 | 2057.6 | 2097.2 | 2153.9 | 2192.1 | 2250.2 | 2275.2 |
| 17.5°  | 1745.0 | 1812.3 | 1879.5 | 1942.9 | 2019.4 | 2061.6 | 2110.4 | 2165.8 | 2222.5 | 2277.9 | 2297.7 |
| 20°    | 1698.8 | 1771.4 | 1843.9 | 1929.7 | 2016.7 | 2057.6 | 2107.7 | 2176.3 | 2231.7 | 2275.2 | 2275.2 |
| 22.5°  | 1643.4 | 1731.8 | 1814.9 | 1896.7 | 1991.7 | 2051.0 | 2102.5 | 2182.9 | 2222.5 | 2231.7 | 2196.1 |
| 25°    | 1588.1 | 1676.4 | 1767.4 | 1869.0 | 1977.2 | 2029.9 | 2087.9 | 2163.1 | 2176.3 | 2139.4 | 2047.1 |
| 27.5°  | 1522.1 | 1621.0 | 1723.9 | 1833.4 | 1946.8 | 2012.8 | 2065.5 | 2115.6 | 2090.6 | 1991.7 | 1847.9 |
| 30°    | 1454.8 | 1561.7 | 1677.7 | 1781.9 | 1919.1 | 1979.8 | 2024.6 | 2039.1 | 1960.0 | 1799.1 | 1613.1 |
| 32.5°  | 1384.9 | 1489.1 | 1611.8 | 1737.1 | 1875.6 | 1933.6 | 1962.6 | 1924.4 | 1779.3 | 1576.2 | 1349.3 |
| 35°    | 1303.2 | 1420.5 | 1548.5 | 1679.1 | 1816.2 | 1859.8 | 1876.9 | 1783.3 | 1597.3 | 1334.8 | 1109.3 |
| 37.5°  | 1229.3 | 1346.7 | 1483.9 | 1617.1 | 1750.3 | 1774.0 | 1756.9 | 1610.5 | 1374.4 | 1114.5 | 894.3  |
| 40°    | 1142.2 | 1267.5 | 1402.1 | 1551.1 | 1660.6 | 1667.2 | 1625.0 | 1435.0 | 1142.2 | 898.2  | 762.4  |
| 42.5°  | 1061.8 | 1188.4 | 1322.9 | 1474.6 | 1557.7 | 1535.3 | 1478.6 | 1229.3 | 953.6  | 774.2  | 664.8  |
| 45°    | 978.7  | 1098.7 | 1243.8 | 1378.3 | 1437.7 | 1384.9 | 1299.2 | 1034.1 | 800.6  | 666.1  | 581.7  |
| 47.5°  | 898.2  | 1010.3 | 1154.1 | 1283.4 | 1293.9 | 1234.6 | 1133.0 | 866.6  | 693.8  | 585.6  | 517.0  |
| 50°    | 819.1  | 931.2  | 1065.7 | 1172.6 | 1162.0 | 1080.2 | 965.5  | 753.1  | 602.8  | 517.0  | 460.3  |
| 52.5°  | 739.9  | 841.5  | 972.1  | 1056.5 | 1011.7 | 932.5  | 819.1  | 638.4  | 526.3  | 451.1  | 407.6  |
| 55°    | 660.8  | 755.8  | 867.9  | 937.8  | 866.6  | 775.6  | 695.1  | 547.4  | 456.4  | 395.7  | 362.7  |
| 57.5°  | 594.9  | 670.0  | 772.9  | 815.1  | 729.4  | 658.2  | 588.3  | 470.9  | 395.7  | 352.2  | 313.9  |
| 60°    | 522.3  | 590.9  | 675.3  | 700.4  | 612.0  | 554.0  | 494.6  | 398.3  | 339.0  | 300.7  | 275.7  |
| 62.5°  | 460.3  | 517.0  | 581.7  | 581.7  | 503.9  | 460.3  | 415.5  | 333.7  | 284.9  | 254.6  | 242.7  |
| 65°    | 399.7  | 440.5  | 486.7  | 481.4  | 415.5  | 377.2  | 341.6  | 275.7  | 238.7  | 217.6  | 205.8  |
| 67.5°  | 340.3  | 372.0  | 402.3  | 383.8  | 336.3  | 303.4  | 270.4  | 222.9  | 197.8  | 183.3  | 167.5  |
| 70°    | 286.2  | 311.3  | 327.1  | 310.0  | 262.5  | 234.8  | 211.0  | 179.4  | 159.6  | 141.1  | 131.9  |
| 72.5°  | 240.1  | 250.6  | 255.9  | 234.8  | 195.2  | 179.4  | 162.2  | 139.8  | 122.7  | 113.4  | 110.8  |
| 75°    | 187.3  | 196.5  | 192.6  | 176.7  | 143.8  | 131.9  | 118.7  | 102.9  | 98.9   | 93.6   | 91.0   |
| 77.5°  | 146.4  | 146.4  | 139.8  | 125.3  | 102.9  | 93.6   | 88.4   | 80.5   | 76.5   | 75.2   | 72.5   |
| 80°    | 104.2  | 102.9  | 98.9   | 83.1   | 69.9   | 64.6   | 64.6   | 59.4   | 58.0   | 55.4   | 55.4   |
| 82.5°  | 68.6   | 68.6   | 63.3   | 50.1   | 46.2   | 44.8   | 43.5   | 40.9   | 40.9   | 39.6   | 39.6   |
| 85°    | 40.9   | 38.3   | 31.7   | 27.7   | 26.4   | 26.4   | 25.1   | 23.7   | 25.1   | 23.7   | 23.7   |
| 87.5°  | 18.5   | 14.5   | 10.6   | 10.6   | 10.6   | 10.6   | 10.6   | 10.6   | 10.6   | 10.6   | 10.6   |
| 90°    | 0.5    | 1.8    | 3.1    | 4.4    | 5.7    | 6.3    | 6.8    | 7.7    | 8.6    | 9.6    | 10.5   |
| 92.5°  | 13.1   | 12.6   | 12.2   | 11.7   | 11.2   | 11.0   | 11.2   | 11.5   | 11.9   | 12.2   | 12.6   |
| 95°    | 34.0   | 30.2   | 26.3   | 22.5   | 18.6   | 16.7   | 17.1   | 17.9   | 18.8   | 19.6   | 20.4   |
| 97.5°  | 61.2   | 51.7   | 42.1   | 32.6   | 23.1   | 18.3   | 19.2   | 21.1   | 23.0   | 24.8   | 26.7   |
| 100°   | 92.6   | 76.7   | 60.7   | 44.8   | 28.9   | 20.9   | 21.9   | 23.9   | 25.8   | 27.8   | 29.8   |
| 102.5° | 127.1  | 126.9  | 126.6  | 126.4  | 126.1  | 126.0  | 115.4  | 94.3   | 73.2   | 52.0   | 30.9   |
| 105°   | 159.0  | 162.5  | 166.0  | 169.5  | 173.0  | 174.7  | 158.8  | 127.1  | 95.4   | 63.6   | 31.9   |
| 107.5° | 196.1  | 199.0  | 201.9  | 204.8  | 207.7  | 209.2  | 189.6  | 150.4  | 111.3  | 72.1   | 32.9   |
| 110°   | 231.7  | 234.1  | 236.5  | 239.0  | 241.4  | 242.6  | 225.8  | 192.2  | 158.7  | 125.1  | 91.5   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 265.1 | 267.2 | 269.3 | 271.4 | 273.5 | 274.5 | 273.5 | 271.6 | 269.6 | 267.7 | 265.7 |
| 115°   | 300.7 | 302.7 | 304.7 | 306.6 | 308.6 | 309.6 | 311.1 | 314.0 | 316.9 | 319.8 | 322.7 |
| 117.5° | 331.5 | 333.8 | 336.2 | 338.5 | 340.8 | 342.0 | 343.0 | 345.0 | 346.9 | 348.9 | 350.9 |
| 120°   | 366.1 | 367.8 | 369.6 | 371.3 | 373.0 | 373.9 | 374.9 | 377.0 | 379.1 | 381.2 | 383.3 |
| 122.5° | 395.3 | 397.2 | 399.0 | 400.9 | 402.8 | 403.7 | 404.9 | 407.2 | 409.5 | 411.9 | 414.2 |
| 125°   | 425.2 | 426.7 | 428.2 | 429.7 | 431.2 | 432.0 | 433.1 | 435.3 | 437.5 | 439.7 | 441.9 |
| 127.5° | 452.3 | 453.9 | 455.6 | 457.2 | 458.9 | 459.7 | 460.6 | 462.3 | 464.0 | 465.8 | 467.5 |
| 130°   | 478.0 | 479.8 | 481.7 | 483.5 | 485.4 | 486.3 | 486.9 | 488.2 | 489.5 | 490.8 | 492.1 |
| 132.5° | 504.1 | 505.6 | 507.1 | 508.6 | 510.1 | 510.9 | 511.5 | 512.8 | 514.1 | 515.4 | 516.7 |
| 135°   | 526.1 | 527.9 | 529.8 | 531.6 | 533.5 | 534.4 | 534.9 | 536.0 | 537.1 | 538.1 | 539.2 |
| 137.5° | 549.1 | 550.5 | 551.9 | 553.3 | 554.7 | 555.4 | 556.0 | 557.1 | 558.3 | 559.4 | 560.6 |
| 140°   | 571.6 | 572.5 | 573.5 | 574.4 | 575.3 | 575.8 | 576.4 | 577.7 | 579.0 | 580.2 | 581.5 |
| 142.5° | 590.4 | 591.2 | 592.0 | 592.9 | 593.7 | 594.1 | 594.9 | 596.4 | 597.9 | 599.4 | 600.9 |
| 145°   | 610.3 | 610.2 | 610.1 | 610.0 | 609.9 | 609.8 | 610.8 | 612.7 | 614.7 | 616.6 | 618.6 |
| 147.5° | 627.5 | 627.2 | 626.8 | 626.5 | 626.2 | 626.0 | 627.0 | 629.0 | 630.9 | 632.9 | 634.9 |
| 150°   | 644.3 | 643.5 | 642.7 | 641.8 | 641.0 | 640.6 | 641.5 | 643.4 | 645.3 | 647.1 | 649.0 |
| 152.5° | 658.4 | 657.5 | 656.5 | 655.6 | 654.7 | 654.2 | 655.1 | 656.8 | 658.5 | 660.3 | 662.0 |
| 155°   | 672.0 | 671.0 | 669.9 | 668.9 | 667.8 | 667.3 | 668.0 | 669.4 | 670.8 | 672.2 | 673.6 |
| 157.5° | 683.0 | 682.1 | 681.1 | 680.2 | 679.3 | 678.8 | 679.3 | 680.4 | 681.4 | 682.5 | 683.5 |
| 160°   | 692.4 | 691.7 | 691.0 | 690.3 | 689.6 | 689.2 | 689.6 | 690.3 | 691.0 | 691.7 | 692.4 |
| 162.5° | 700.7 | 700.0 | 699.3 | 698.6 | 697.9 | 697.6 | 697.9 | 698.5 | 699.0 | 699.6 | 700.2 |
| 165°   | 708.1 | 707.4 | 706.7 | 706.0 | 705.3 | 704.9 | 705.1 | 705.4 | 705.8 | 706.1 | 706.5 |
| 167.5° | 713.8 | 713.1 | 712.4 | 711.7 | 711.0 | 710.7 | 710.9 | 711.2 | 711.5 | 711.9 | 712.2 |
| 170°   | 718.5 | 717.8 | 717.1 | 716.4 | 715.7 | 715.4 | 715.5 | 715.7 | 716.0 | 716.2 | 716.4 |
| 172.5° | 721.7 | 721.0 | 720.3 | 719.6 | 718.9 | 718.5 | 718.6 | 718.9 | 719.1 | 719.4 | 719.6 |
| 175°   | 724.3 | 723.5 | 722.7 | 721.8 | 721.0 | 720.6 | 720.7 | 721.0 | 721.2 | 721.5 | 721.7 |
| 177.5° | 725.3 | 724.5 | 723.7 | 722.9 | 722.1 | 721.7 | 721.8 | 721.9 | 722.0 | 722.1 | 722.2 |
| 180°   | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 |
| 2.5°   | 1965.3 | 1967.9 | 1971.9 | 1990.3 | 1993.0 | 1998.3 | 1995.6 | 1995.6 | 1996.9 | 1994.3 | 1995.6 |
| 5°     | 2049.7 | 2053.7 | 2073.4 | 2095.9 | 2101.1 | 2095.9 | 2102.5 | 2111.7 | 2111.7 | 2111.7 | 2109.0 |
| 7.5°   | 2128.8 | 2143.3 | 2165.8 | 2198.7 | 2205.3 | 2211.9 | 2223.8 | 2215.9 | 2218.5 | 2230.4 | 2226.4 |
| 10°    | 2205.3 | 2226.4 | 2251.5 | 2279.2 | 2293.7 | 2302.9 | 2308.2 | 2320.1 | 2347.8 | 2316.1 | 2328.0 |
| 12.5°  | 2277.9 | 2308.2 | 2334.6 | 2364.9 | 2375.5 | 2387.4 | 2391.3 | 2401.9 | 2401.9 | 2400.5 | 2409.8 |
| 15°    | 2325.4 | 2353.1 | 2376.8 | 2396.6 | 2399.2 | 2396.6 | 2393.9 | 2395.3 | 2399.2 | 2383.4 | 2392.6 |
| 17.5°  | 2335.9 | 2338.6 | 2346.5 | 2338.6 | 2339.9 | 2312.2 | 2296.3 | 2292.4 | 2255.5 | 2256.8 | 2287.1 |
| 20°    | 2284.5 | 2239.6 | 2227.8 | 2184.2 | 2157.9 | 2086.6 | 2084.0 | 2064.2 | 1986.4 | 2010.1 | 2004.8 |
| 22.5°  | 2143.3 | 2066.8 | 1965.3 | 1915.2 | 1890.1 | 1814.9 | 1756.9 | 1716.0 | 1688.3 | 1660.6 | 1648.7 |
| 25°    | 1957.4 | 1833.4 | 1689.6 | 1590.7 | 1576.2 | 1506.3 | 1399.4 | 1349.3 | 1290.0 | 1271.5 | 1303.2 |
| 27.5°  | 1717.3 | 1556.4 | 1394.2 | 1242.5 | 1214.8 | 1151.5 | 1097.4 | 1061.8 | 993.2  | 989.2  | 991.9  |
| 30°    | 1391.5 | 1229.3 | 1093.4 | 994.5  | 925.9  | 896.9  | 861.3  | 834.9  | 807.2  | 817.8  | 820.4  |
| 32.5°  | 1143.6 | 989.2  | 862.6  | 809.9  | 778.2  | 759.7  | 729.4  | 712.2  | 700.4  | 696.4  | 695.1  |
| 35°    | 908.8  | 805.9  | 749.2  | 697.7  | 679.3  | 666.1  | 643.7  | 635.7  | 625.2  | 626.5  | 626.5  |
| 37.5°  | 778.2  | 692.5  | 650.3  | 623.9  | 606.7  | 600.1  | 585.6  | 577.7  | 571.1  | 568.5  | 572.4  |
| 40°    | 671.4  | 612.0  | 585.6  | 561.9  | 547.4  | 544.7  | 536.8  | 527.6  | 519.7  | 521.0  | 525.0  |
| 42.5°  | 593.5  | 559.2  | 527.6  | 509.1  | 498.6  | 494.6  | 488.0  | 481.4  | 481.4  | 477.5  | 476.2  |
| 45°    | 531.5  | 503.9  | 477.5  | 460.3  | 453.7  | 448.5  | 440.5  | 439.2  | 433.9  | 435.3  | 436.6  |
| 47.5°  | 476.2  | 453.7  | 433.9  | 416.8  | 410.2  | 408.9  | 401.0  | 395.7  | 395.7  | 394.4  | 393.1  |
| 50°    | 426.0  | 403.6  | 386.5  | 377.2  | 368.0  | 365.4  | 364.0  | 362.7  | 360.1  | 360.1  | 361.4  |
| 52.5°  | 385.1  | 362.7  | 349.5  | 341.6  | 336.3  | 333.7  | 333.7  | 332.4  | 332.4  | 332.4  | 331.1  |
| 55°    | 340.3  | 321.8  | 311.3  | 308.6  | 306.0  | 304.7  | 303.4  | 300.7  | 299.4  | 302.0  | 299.4  |
| 57.5°  | 298.1  | 291.5  | 282.3  | 279.6  | 273.0  | 273.0  | 269.1  | 266.4  | 263.8  | 266.4  | 266.4  |
| 60°    | 265.1  | 255.9  | 250.6  | 242.7  | 237.4  | 232.1  | 225.5  | 224.2  | 221.6  | 220.3  | 219.0  |
| 62.5°  | 230.8  | 222.9  | 209.7  | 197.8  | 189.9  | 184.7  | 182.0  | 180.7  | 180.7  | 179.4  | 179.4  |
| 65°    | 192.6  | 174.1  | 167.5  | 163.6  | 162.2  | 160.9  | 158.3  | 157.0  | 158.3  | 157.0  | 158.3  |
| 67.5°  | 150.4  | 147.7  | 143.8  | 141.1  | 139.8  | 138.5  | 138.5  | 137.2  | 137.2  | 137.2  | 137.2  |
| 70°    | 130.6  | 124.0  | 122.7  | 120.0  | 120.0  | 118.7  | 118.7  | 118.7  | 118.7  | 117.4  | 120.0  |
| 72.5°  | 108.2  | 104.2  | 102.9  | 101.6  | 101.6  | 101.6  | 100.2  | 100.2  | 100.2  | 98.9   | 100.2  |
| 75°    | 88.4   | 87.1   | 84.4   | 84.4   | 83.1   | 84.4   | 83.1   | 83.1   | 81.8   | 83.1   | 83.1   |
| 77.5°  | 71.2   | 69.9   | 68.6   | 68.6   | 67.3   | 67.3   | 67.3   | 67.3   | 67.3   | 67.3   | 68.6   |
| 80°    | 54.1   | 52.8   | 51.4   | 52.8   | 51.4   | 52.8   | 51.4   | 51.4   | 52.8   | 51.4   | 51.4   |
| 82.5°  | 39.6   | 38.3   | 38.3   | 36.9   | 36.9   | 36.9   | 36.9   | 36.9   | 36.9   | 36.9   | 36.9   |
| 85°    | 23.7   | 22.4   | 22.4   | 23.7   | 22.4   | 23.7   | 22.4   | 22.4   | 22.4   | 23.7   | 23.7   |
| 87.5°  | 10.6   | 11.9   | 10.6   | 10.6   | 10.6   | 10.6   | 10.6   | 10.6   | 10.6   | 10.6   | 11.9   |
| 90°    | 11.1   | 11.7   | 12.2   | 12.8   | 13.1   | 13.2   | 13.4   | 13.7   | 13.9   | 14.1   | 13.9   |
| 92.5°  | 12.8   | 13.0   | 13.3   | 13.5   | 13.6   | 13.7   | 13.8   | 13.9   | 14.0   | 14.1   | 14.0   |
| 95°    | 21.0   | 21.6   | 22.1   | 22.7   | 23.0   | 22.9   | 22.8   | 22.7   | 22.6   | 22.5   | 22.6   |
| 97.5°  | 27.0   | 27.4   | 27.7   | 28.0   | 28.2   | 28.3   | 28.4   | 28.5   | 28.7   | 28.8   | 28.7   |
| 100°   | 30.7   | 31.7   | 32.6   | 33.5   | 34.0   | 34.1   | 34.3   | 34.6   | 34.8   | 35.0   | 34.8   |
| 102.5° | 32.2   | 33.4   | 34.7   | 36.0   | 36.6   | 36.8   | 37.1   | 37.5   | 37.8   | 38.2   | 37.8   |
| 105°   | 33.2   | 34.5   | 35.8   | 37.1   | 37.7   | 37.9   | 38.4   | 38.8   | 39.3   | 39.7   | 39.3   |
| 107.5° | 34.2   | 35.5   | 36.8   | 38.1   | 38.7   | 38.9   | 39.4   | 39.9   | 40.3   | 40.8   | 40.3   |
| 110°   | 79.9   | 68.3   | 56.6   | 45.0   | 39.2   | 39.4   | 39.9   | 40.4   | 40.8   | 41.3   | 40.8   |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 215.6 | 165.5 | 115.4 | 65.3  | 40.3  | 40.5  | 40.8  | 41.1  | 41.5  | 41.8  | 41.5  |
| 115°   | 268.9 | 215.1 | 161.2 | 107.4 | 80.5  | 76.3  | 68.0  | 59.6  | 51.3  | 42.9  | 51.3  |
| 117.5° | 334.3 | 317.7 | 301.0 | 284.4 | 276.1 | 260.9 | 230.4 | 200.0 | 169.5 | 139.1 | 169.5 |
| 120°   | 384.7 | 386.1 | 387.5 | 388.9 | 389.6 | 381.8 | 366.1 | 350.4 | 334.7 | 319.0 | 334.7 |
| 122.5° | 414.9 | 415.6 | 416.3 | 417.0 | 417.3 | 417.4 | 417.5 | 417.6 | 417.7 | 417.8 | 417.7 |
| 125°   | 442.7 | 443.5 | 444.3 | 445.1 | 445.5 | 445.7 | 446.0 | 446.4 | 446.7 | 447.1 | 446.7 |
| 127.5° | 468.7 | 469.8 | 471.0 | 472.1 | 472.7 | 472.8 | 472.9 | 473.0 | 473.2 | 473.3 | 473.2 |
| 130°   | 493.4 | 494.6 | 495.9 | 497.2 | 497.8 | 497.7 | 497.6 | 497.5 | 497.4 | 497.3 | 497.4 |
| 132.5° | 517.7 | 518.8 | 519.8 | 520.9 | 521.4 | 521.3 | 521.2 | 521.1 | 521.0 | 520.9 | 521.0 |
| 135°   | 540.4 | 541.5 | 542.7 | 543.8 | 544.4 | 544.3 | 544.0 | 543.8 | 543.5 | 543.3 | 543.5 |
| 137.5° | 561.8 | 562.9 | 564.1 | 565.2 | 565.8 | 565.6 | 565.3 | 565.0 | 564.6 | 564.3 | 564.6 |
| 140°   | 582.5 | 583.6 | 584.6 | 585.7 | 586.2 | 585.9 | 585.3 | 584.8 | 584.2 | 583.6 | 584.2 |
| 142.5° | 601.8 | 602.7 | 603.6 | 604.5 | 605.0 | 604.7 | 604.1 | 603.6 | 603.0 | 602.4 | 603.0 |
| 145°   | 619.4 | 620.2 | 621.1 | 621.9 | 622.3 | 622.0 | 621.4 | 620.9 | 620.3 | 619.7 | 620.3 |
| 147.5° | 635.5 | 636.1 | 636.6 | 637.2 | 637.5 | 637.3 | 636.8 | 636.3 | 635.9 | 635.4 | 635.9 |
| 150°   | 649.7 | 650.4 | 651.1 | 651.8 | 652.1 | 651.8 | 651.2 | 650.7 | 650.1 | 649.5 | 650.1 |
| 152.5° | 662.7 | 663.4 | 664.1 | 664.8 | 665.2 | 664.8 | 664.0 | 663.1 | 662.3 | 661.5 | 662.3 |
| 155°   | 674.3 | 675.0 | 675.7 | 676.4 | 676.7 | 676.2 | 675.3 | 674.4 | 673.4 | 672.5 | 673.4 |
| 157.5° | 684.3 | 685.1 | 685.9 | 686.7 | 687.1 | 686.6 | 685.7 | 684.8 | 683.9 | 683.0 | 683.9 |
| 160°   | 693.1 | 693.8 | 694.5 | 695.2 | 695.5 | 695.1 | 694.3 | 693.5 | 692.7 | 691.9 | 692.7 |
| 162.5° | 701.0 | 701.8 | 702.7 | 703.5 | 703.9 | 703.4 | 702.3 | 701.3 | 700.2 | 699.2 | 700.2 |
| 165°   | 707.3 | 708.1 | 709.0 | 709.8 | 710.2 | 709.8 | 709.0 | 708.1 | 707.3 | 706.5 | 707.3 |
| 167.5° | 713.0 | 713.8 | 714.7 | 715.5 | 715.9 | 715.4 | 714.3 | 713.3 | 712.2 | 711.2 | 712.2 |
| 170°   | 717.2 | 718.0 | 718.9 | 719.7 | 720.1 | 719.6 | 718.5 | 717.5 | 716.4 | 715.4 | 716.4 |
| 172.5° | 720.4 | 721.2 | 722.0 | 722.8 | 723.2 | 722.7 | 721.6 | 720.6 | 719.5 | 718.5 | 719.5 |
| 175°   | 722.5 | 723.3 | 724.1 | 724.9 | 725.3 | 724.7 | 723.6 | 722.4 | 721.3 | 720.1 | 721.3 |
| 177.5° | 723.0 | 723.8 | 724.6 | 725.4 | 725.8 | 725.3 | 724.2 | 723.2 | 722.1 | 721.1 | 722.1 |
| 180°   | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 |
| 2.5°   | 2000.9 | 1991.7 | 1989.0 | 1991.7 | 1989.0 | 1990.3 | 1981.1 | 1946.8 | 1956.0 | 1941.5 | 1949.5 |
| 5°     | 2114.3 | 2106.4 | 2089.3 | 2086.6 | 2084.0 | 2081.4 | 2068.2 | 2037.8 | 2026.0 | 2006.2 | 2004.8 |
| 7.5°   | 2222.5 | 2222.5 | 2209.3 | 2200.1 | 2188.2 | 2179.0 | 2161.8 | 2117.0 | 2098.5 | 2074.8 | 2061.6 |
| 10°    | 2329.3 | 2295.0 | 2309.5 | 2300.3 | 2271.3 | 2266.0 | 2234.4 | 2208.0 | 2172.4 | 2148.6 | 2127.5 |
| 12.5°  | 2405.8 | 2395.3 | 2382.1 | 2374.2 | 2366.2 | 2349.1 | 2328.0 | 2260.7 | 2242.3 | 2194.8 | 2171.0 |
| 15°    | 2403.2 | 2396.6 | 2400.5 | 2400.5 | 2397.9 | 2393.9 | 2376.8 | 2328.0 | 2296.3 | 2250.2 | 2209.3 |
| 17.5°  | 2273.9 | 2291.1 | 2308.2 | 2320.1 | 2346.5 | 2358.3 | 2374.2 | 2345.1 | 2325.4 | 2285.8 | 2242.3 |
| 20°    | 2048.4 | 2090.6 | 2140.7 | 2151.3 | 2175.0 | 2244.9 | 2276.6 | 2301.6 | 2309.5 | 2296.3 | 2260.7 |
| 22.5°  | 1734.5 | 1770.1 | 1891.4 | 1888.8 | 1923.1 | 2006.2 | 2098.5 | 2173.7 | 2233.0 | 2266.0 | 2252.8 |
| 25°    | 1358.5 | 1408.7 | 1473.3 | 1522.1 | 1634.2 | 1758.2 | 1873.0 | 1993.0 | 2095.9 | 2186.9 | 2209.3 |
| 27.5°  | 1027.5 | 1093.4 | 1144.9 | 1209.5 | 1266.2 | 1412.6 | 1560.4 | 1747.6 | 1867.7 | 2040.5 | 2130.2 |
| 30°    | 831.0  | 861.3  | 912.7  | 943.1  | 970.8  | 1082.9 | 1250.4 | 1435.0 | 1646.1 | 1845.3 | 1999.6 |
| 32.5°  | 709.6  | 730.7  | 769.0  | 782.2  | 811.2  | 886.4  | 991.9  | 1160.7 | 1378.3 | 1619.7 | 1822.8 |
| 35°    | 637.1  | 659.5  | 667.4  | 679.3  | 703.0  | 750.5  | 823.0  | 945.7  | 1142.2 | 1378.3 | 1621.0 |
| 37.5°  | 575.1  | 586.9  | 609.4  | 617.3  | 625.2  | 660.8  | 709.6  | 795.3  | 925.9  | 1119.8 | 1388.9 |
| 40°    | 531.5  | 538.1  | 550.0  | 556.6  | 561.9  | 586.9  | 630.5  | 688.5  | 784.8  | 932.5  | 1180.5 |
| 42.5°  | 485.4  | 493.3  | 501.2  | 509.1  | 515.7  | 535.5  | 561.9  | 617.3  | 681.9  | 794.0  | 973.4  |
| 45°    | 440.5  | 445.8  | 455.0  | 460.3  | 469.6  | 485.4  | 509.1  | 547.4  | 605.4  | 676.6  | 821.7  |
| 47.5°  | 399.7  | 406.2  | 410.2  | 416.8  | 423.4  | 440.5  | 463.0  | 488.0  | 535.5  | 605.4  | 710.9  |
| 50°    | 362.7  | 370.6  | 375.9  | 377.2  | 382.5  | 398.3  | 416.8  | 444.5  | 474.8  | 528.9  | 621.2  |
| 52.5°  | 336.3  | 337.7  | 341.6  | 346.9  | 345.6  | 354.8  | 372.0  | 393.1  | 424.7  | 468.2  | 535.5  |
| 55°    | 306.0  | 310.0  | 312.6  | 313.9  | 313.9  | 321.8  | 331.1  | 350.8  | 375.9  | 411.5  | 468.2  |
| 57.5°  | 267.8  | 271.7  | 279.6  | 282.3  | 286.2  | 290.2  | 294.1  | 307.3  | 328.4  | 362.7  | 408.9  |
| 60°    | 228.2  | 230.8  | 238.7  | 244.0  | 246.6  | 257.2  | 262.5  | 273.0  | 284.9  | 310.0  | 353.5  |
| 62.5°  | 183.3  | 186.0  | 189.9  | 195.2  | 200.5  | 216.3  | 229.5  | 240.1  | 249.3  | 266.4  | 302.0  |
| 65°    | 159.6  | 160.9  | 163.6  | 164.9  | 166.2  | 172.8  | 184.7  | 199.2  | 216.3  | 229.5  | 250.6  |
| 67.5°  | 138.5  | 139.8  | 141.1  | 143.8  | 145.1  | 146.4  | 151.7  | 155.6  | 172.8  | 191.3  | 207.1  |
| 70°    | 118.7  | 121.3  | 122.7  | 122.7  | 124.0  | 126.6  | 129.3  | 134.5  | 139.8  | 149.0  | 168.8  |
| 72.5°  | 100.2  | 101.6  | 104.2  | 104.2  | 104.2  | 106.8  | 109.5  | 112.1  | 114.8  | 120.0  | 127.9  |
| 75°    | 83.1   | 85.7   | 85.7   | 85.7   | 87.1   | 87.1   | 89.7   | 92.3   | 95.0   | 98.9   | 101.6  |
| 77.5°  | 68.6   | 68.6   | 68.6   | 68.6   | 69.9   | 69.9   | 71.2   | 73.9   | 75.2   | 76.5   | 79.1   |
| 80°    | 51.4   | 52.8   | 52.8   | 52.8   | 54.1   | 54.1   | 54.1   | 56.7   | 58.0   | 58.0   | 60.7   |
| 82.5°  | 38.3   | 38.3   | 38.3   | 39.6   | 38.3   | 39.6   | 39.6   | 40.9   | 39.6   | 40.9   | 42.2   |
| 85°    | 23.7   | 23.7   | 23.7   | 25.1   | 25.1   | 25.1   | 25.1   | 25.1   | 25.1   | 25.1   | 26.4   |
| 87.5°  | 11.9   | 11.9   | 11.9   | 11.9   | 11.9   | 11.9   | 11.9   | 11.9   | 13.2   | 11.9   | 11.9   |
| 90°    | 13.7   | 13.4   | 13.2   | 13.1   | 12.8   | 12.2   | 11.7   | 11.1   | 10.5   | 9.6    | 8.6    |
| 92.5°  | 13.9   | 13.8   | 13.7   | 13.6   | 13.5   | 13.3   | 13.0   | 12.8   | 12.6   | 12.2   | 11.9   |
| 95°    | 22.7   | 22.8   | 22.9   | 23.0   | 22.7   | 22.1   | 21.6   | 21.0   | 20.4   | 19.6   | 18.8   |
| 97.5°  | 28.5   | 28.4   | 28.3   | 28.2   | 28.0   | 27.7   | 27.4   | 27.0   | 26.7   | 24.8   | 23.0   |
| 100°   | 34.6   | 34.3   | 34.1   | 34.0   | 33.5   | 32.6   | 31.7   | 30.7   | 29.8   | 27.8   | 25.8   |
| 102.5° | 37.5   | 37.1   | 36.8   | 36.6   | 36.0   | 34.7   | 33.4   | 32.2   | 30.9   | 52.0   | 73.2   |
| 105°   | 38.8   | 38.4   | 37.9   | 37.7   | 37.1   | 35.8   | 34.5   | 33.2   | 31.9   | 63.6   | 95.4   |
| 107.5° | 39.9   | 39.4   | 38.9   | 38.7   | 38.1   | 36.8   | 35.5   | 34.2   | 32.9   | 72.1   | 111.3  |
| 110°   | 40.4   | 39.9   | 39.4   | 39.2   | 45.0   | 56.6   | 68.3   | 79.9   | 91.5   | 125.1  | 158.7  |

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**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 41.1  | 40.8  | 40.5  | 40.3   | 65.3  | 115.4 | 165.5 | 215.6 | 265.7 | 267.7 | 269.6 |
| 115°   | 59.6  | 68.0  | 76.3  | 80.5   | 107.4 | 161.2 | 215.1 | 268.9 | 322.7 | 319.8 | 316.9 |
| 117.5° | 200.0 | 230.4 | 260.9 | 276.1  | 284.4 | 301.0 | 317.7 | 334.3 | 350.9 | 348.9 | 346.9 |
| 120°   | 350.4 | 366.1 | 381.8 | 389.6  | 388.9 | 387.5 | 386.1 | 384.7 | 383.3 | 381.2 | 379.1 |
| 122.5° | 417.6 | 417.5 | 417.4 | 417.3  | 417.0 | 416.3 | 415.6 | 414.9 | 414.2 | 411.9 | 409.5 |
| 125°   | 446.4 | 446.0 | 445.7 | 445.5  | 445.1 | 444.3 | 443.5 | 442.7 | 441.9 | 439.7 | 437.5 |
| 127.5° | 473.0 | 472.9 | 472.8 | 472.7  | 472.1 | 471.0 | 469.8 | 468.7 | 467.5 | 465.8 | 464.0 |
| 130°   | 497.5 | 497.6 | 497.7 | 497.8  | 497.2 | 495.9 | 494.6 | 493.4 | 492.1 | 490.8 | 489.5 |
| 132.5° | 521.1 | 521.2 | 521.3 | 521.4  | 520.9 | 519.8 | 518.8 | 517.7 | 516.7 | 515.4 | 514.1 |
| 135°   | 543.8 | 544.0 | 544.3 | 544.4  | 543.8 | 542.7 | 541.5 | 540.4 | 539.2 | 538.1 | 537.1 |
| 137.5° | 565.0 | 565.3 | 565.6 | 565.8  | 565.2 | 564.1 | 562.9 | 561.8 | 560.6 | 559.4 | 558.3 |
| 140°   | 584.8 | 585.3 | 585.9 | 586.2  | 585.7 | 584.6 | 583.6 | 582.5 | 581.5 | 580.2 | 579.0 |
| 142.5° | 603.6 | 604.1 | 604.7 | 605.0  | 604.5 | 603.6 | 602.7 | 601.8 | 600.9 | 599.4 | 597.9 |
| 145°   | 620.9 | 621.4 | 622.0 | 622.3  | 621.9 | 621.1 | 620.2 | 619.4 | 618.6 | 616.6 | 614.7 |
| 147.5° | 636.3 | 636.8 | 637.3 | 637.5  | 637.2 | 636.6 | 636.1 | 635.5 | 634.9 | 632.9 | 630.9 |
| 150°   | 650.7 | 651.2 | 651.8 | 652.1  | 651.8 | 651.1 | 650.4 | 649.7 | 649.0 | 647.1 | 645.3 |
| 152.5° | 663.1 | 664.0 | 664.8 | 665.2  | 664.8 | 664.1 | 663.4 | 662.7 | 662.0 | 660.3 | 658.5 |
| 155°   | 674.4 | 675.3 | 676.2 | 676.7  | 676.4 | 675.7 | 675.0 | 674.3 | 673.6 | 672.2 | 670.8 |
| 157.5° | 684.8 | 685.7 | 686.6 | 687.1  | 686.7 | 685.9 | 685.1 | 684.3 | 683.5 | 682.5 | 681.4 |
| 160°   | 693.5 | 694.3 | 695.1 | 695.5  | 695.2 | 694.5 | 693.8 | 693.1 | 692.4 | 691.7 | 691.0 |
| 162.5° | 701.3 | 702.3 | 703.4 | 703.9  | 703.5 | 702.7 | 701.8 | 701.0 | 700.2 | 699.6 | 699.0 |
| 165°   | 708.1 | 709.0 | 709.8 | 710.2  | 709.8 | 709.0 | 708.1 | 707.3 | 706.5 | 706.1 | 705.8 |
| 167.5° | 713.3 | 714.3 | 715.4 | 715.9  | 715.5 | 714.7 | 713.8 | 713.0 | 712.2 | 711.9 | 711.5 |
| 170°   | 717.5 | 718.5 | 719.6 | 720.1  | 719.7 | 718.9 | 718.0 | 717.2 | 716.4 | 716.2 | 716.0 |
| 172.5° | 720.6 | 721.6 | 722.7 | 723.2  | 722.8 | 722.0 | 721.2 | 720.4 | 719.6 | 719.4 | 719.1 |
| 175°   | 722.4 | 723.6 | 724.7 | 725.3  | 724.9 | 724.1 | 723.3 | 722.5 | 721.7 | 721.5 | 721.2 |
| 177.5° | 723.2 | 724.2 | 725.3 | 725.8  | 725.4 | 724.6 | 723.8 | 723.0 | 722.2 | 722.1 | 722.0 |
| 180°   | 722.7 | 722.7 | 722.7 | 722.7  | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 |
| 2.5°   | 1937.6 | 1931.0 | 1931.0 | 1927.0 | 1927.0 | 1905.9 | 1905.9 | 1912.5 | 1904.6 | 1895.4 | 1882.2 |
| 5°     | 1987.7 | 1973.2 | 1969.2 | 1964.0 | 1946.8 | 1920.4 | 1909.9 | 1905.9 | 1890.1 | 1870.3 | 1847.9 |
| 7.5°   | 2035.2 | 2011.4 | 1999.6 | 1987.7 | 1965.3 | 1928.3 | 1907.2 | 1892.7 | 1869.0 | 1838.7 | 1809.6 |
| 10°    | 2081.4 | 2051.0 | 2020.7 | 2006.2 | 1974.5 | 1928.3 | 1898.0 | 1874.3 | 1840.0 | 1799.1 | 1758.2 |
| 12.5°  | 2123.6 | 2060.2 | 2055.0 | 2026.0 | 1979.8 | 1927.0 | 1880.9 | 1846.6 | 1803.0 | 1755.6 | 1708.1 |
| 15°    | 2160.5 | 2095.9 | 2064.2 | 2037.8 | 1977.2 | 1911.2 | 1862.4 | 1820.2 | 1762.2 | 1708.1 | 1650.0 |
| 17.5°  | 2179.0 | 2109.0 | 2087.9 | 2044.4 | 1982.4 | 1896.7 | 1830.7 | 1779.3 | 1716.0 | 1651.4 | 1585.4 |
| 20°    | 2197.4 | 2115.6 | 2081.4 | 2051.0 | 1966.6 | 1869.0 | 1795.1 | 1735.8 | 1665.9 | 1589.4 | 1516.8 |
| 22.5°  | 2206.7 | 2115.6 | 2074.8 | 2032.5 | 1950.8 | 1838.7 | 1751.6 | 1681.7 | 1599.9 | 1522.1 | 1435.0 |
| 25°    | 2190.8 | 2107.7 | 2058.9 | 2015.4 | 1923.1 | 1801.7 | 1701.5 | 1622.3 | 1535.3 | 1446.9 | 1358.5 |
| 27.5°  | 2151.3 | 2089.3 | 2032.5 | 1987.7 | 1884.8 | 1754.2 | 1648.7 | 1559.0 | 1469.3 | 1370.4 | 1280.7 |
| 30°    | 2077.4 | 2049.7 | 2004.8 | 1954.7 | 1842.6 | 1712.0 | 1586.7 | 1494.4 | 1395.5 | 1296.6 | 1202.9 |
| 32.5°  | 1962.6 | 1986.4 | 1957.4 | 1913.8 | 1792.5 | 1654.0 | 1520.8 | 1427.1 | 1319.0 | 1212.1 | 1126.4 |
| 35°    | 1822.8 | 1907.2 | 1891.4 | 1861.1 | 1739.7 | 1592.0 | 1458.8 | 1345.4 | 1237.2 | 1129.0 | 1043.3 |
| 37.5°  | 1669.8 | 1797.8 | 1811.0 | 1792.5 | 1679.1 | 1528.7 | 1382.3 | 1271.5 | 1160.7 | 1051.2 | 964.2  |
| 40°    | 1460.1 | 1656.6 | 1698.8 | 1706.8 | 1615.8 | 1452.2 | 1299.2 | 1191.0 | 1081.6 | 974.7  | 869.2  |
| 42.5°  | 1267.5 | 1515.5 | 1568.3 | 1601.2 | 1535.3 | 1377.0 | 1222.7 | 1102.7 | 994.5  | 898.2  | 792.7  |
| 45°    | 1086.8 | 1345.4 | 1431.1 | 1473.3 | 1444.3 | 1291.3 | 1131.7 | 1019.6 | 920.6  | 832.3  | 730.7  |
| 47.5°  | 900.9  | 1160.7 | 1280.7 | 1348.0 | 1348.0 | 1204.2 | 1044.6 | 933.8  | 838.9  | 763.7  | 674.0  |
| 50°    | 776.9  | 993.2  | 1117.2 | 1205.5 | 1229.3 | 1115.9 | 965.5  | 857.3  | 767.6  | 685.9  | 617.3  |
| 52.5°  | 662.1  | 856.0  | 958.9  | 1051.2 | 1119.8 | 1020.9 | 877.1  | 779.5  | 691.1  | 614.6  | 560.6  |
| 55°    | 572.4  | 717.5  | 811.2  | 912.7  | 989.2  | 924.6  | 791.4  | 696.4  | 619.9  | 556.6  | 510.4  |
| 57.5°  | 486.7  | 613.3  | 689.8  | 779.5  | 861.3  | 812.5  | 705.7  | 623.9  | 556.6  | 501.2  | 460.3  |
| 60°    | 414.2  | 517.0  | 576.4  | 646.3  | 747.9  | 713.6  | 625.2  | 550.0  | 495.9  | 445.8  | 411.5  |
| 62.5°  | 352.2  | 433.9  | 484.1  | 534.2  | 626.5  | 610.7  | 542.1  | 484.1  | 437.9  | 395.7  | 366.7  |
| 65°    | 288.9  | 356.1  | 395.7  | 439.2  | 513.1  | 519.7  | 464.3  | 423.4  | 381.2  | 344.3  | 317.9  |
| 67.5°  | 233.5  | 286.2  | 321.8  | 358.8  | 418.1  | 436.6  | 398.3  | 364.0  | 328.4  | 298.1  | 274.3  |
| 70°    | 188.6  | 225.5  | 251.9  | 280.9  | 329.7  | 352.2  | 332.4  | 308.6  | 279.6  | 254.6  | 233.5  |
| 72.5°  | 149.0  | 172.8  | 188.6  | 211.0  | 250.6  | 273.0  | 271.7  | 250.6  | 229.5  | 212.4  | 195.2  |
| 75°    | 109.5  | 127.9  | 141.1  | 155.6  | 187.3  | 208.4  | 213.7  | 204.4  | 183.3  | 170.1  | 157.0  |
| 77.5°  | 83.1   | 93.6   | 100.2  | 110.8  | 133.2  | 151.7  | 159.6  | 157.0  | 142.4  | 131.9  | 122.7  |
| 80°    | 63.3   | 65.9   | 68.6   | 72.5   | 91.0   | 108.2  | 113.4  | 112.1  | 104.2  | 100.2  | 89.7   |
| 82.5°  | 44.8   | 46.2   | 47.5   | 48.8   | 55.4   | 69.9   | 75.2   | 77.8   | 71.2   | 67.3   | 58.0   |
| 85°    | 26.4   | 27.7   | 27.7   | 30.3   | 31.7   | 35.6   | 44.8   | 44.8   | 43.5   | 38.3   | 36.9   |
| 87.5°  | 13.2   | 13.2   | 11.9   | 11.9   | 13.2   | 14.5   | 17.1   | 19.8   | 17.1   | 15.8   | 14.5   |
| 90°    | 7.7    | 6.8    | 6.3    | 5.7    | 4.4    | 3.1    | 1.8    | 0.5    | 1.8    | 3.1    | 4.4    |
| 92.5°  | 11.5   | 11.2   | 11.0   | 11.2   | 11.7   | 12.2   | 12.6   | 13.1   | 12.6   | 12.2   | 11.7   |
| 95°    | 17.9   | 17.1   | 16.7   | 18.6   | 22.5   | 26.3   | 30.2   | 34.0   | 30.2   | 26.3   | 22.5   |
| 97.5°  | 21.1   | 19.2   | 18.3   | 23.1   | 32.6   | 42.1   | 51.7   | 61.2   | 51.7   | 42.1   | 32.6   |
| 100°   | 23.9   | 21.9   | 20.9   | 28.9   | 44.8   | 60.7   | 76.7   | 92.6   | 76.7   | 60.7   | 44.8   |
| 102.5° | 94.3   | 115.4  | 126.0  | 126.1  | 126.4  | 126.6  | 126.9  | 127.1  | 126.9  | 126.6  | 126.4  |
| 105°   | 127.1  | 158.8  | 174.7  | 173.0  | 169.5  | 166.0  | 162.5  | 159.0  | 162.5  | 166.0  | 169.5  |
| 107.5° | 150.4  | 189.6  | 209.2  | 207.7  | 204.8  | 201.9  | 199.0  | 196.1  | 199.0  | 201.9  | 204.8  |
| 110°   | 192.2  | 225.8  | 242.6  | 241.4  | 239.0  | 236.5  | 234.1  | 231.7  | 234.1  | 236.5  | 239.0  |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 271.6 | 273.5 | 274.5  | 273.5 | 271.4 | 269.3 | 267.2 | 265.1 | 267.2 | 269.3 | 271.4 |
| 115°   | 314.0 | 311.1 | 309.6  | 308.6 | 306.6 | 304.7 | 302.7 | 300.7 | 302.7 | 304.7 | 306.6 |
| 117.5° | 345.0 | 343.0 | 342.0  | 340.8 | 338.5 | 336.2 | 333.8 | 331.5 | 333.8 | 336.2 | 338.5 |
| 120°   | 377.0 | 374.9 | 373.9  | 373.0 | 371.3 | 369.6 | 367.8 | 366.1 | 367.8 | 369.6 | 371.3 |
| 122.5° | 407.2 | 404.9 | 403.7  | 402.8 | 400.9 | 399.0 | 397.2 | 395.3 | 397.2 | 399.0 | 400.9 |
| 125°   | 435.3 | 433.1 | 432.0  | 431.2 | 429.7 | 428.2 | 426.7 | 425.2 | 426.7 | 428.2 | 429.7 |
| 127.5° | 462.3 | 460.6 | 459.7  | 458.9 | 457.2 | 455.6 | 453.9 | 452.3 | 453.9 | 455.6 | 457.2 |
| 130°   | 488.2 | 486.9 | 486.3  | 485.4 | 483.5 | 481.7 | 479.8 | 478.0 | 479.8 | 481.7 | 483.5 |
| 132.5° | 512.8 | 511.5 | 510.9  | 510.1 | 508.6 | 507.1 | 505.6 | 504.1 | 505.6 | 507.1 | 508.6 |
| 135°   | 536.0 | 534.9 | 534.4  | 533.5 | 531.6 | 529.8 | 527.9 | 526.1 | 527.9 | 529.8 | 531.6 |
| 137.5° | 557.1 | 556.0 | 555.4  | 554.7 | 553.3 | 551.9 | 550.5 | 549.1 | 550.5 | 551.9 | 553.3 |
| 140°   | 577.7 | 576.4 | 575.8  | 575.3 | 574.4 | 573.5 | 572.5 | 571.6 | 572.5 | 573.5 | 574.4 |
| 142.5° | 596.4 | 594.9 | 594.1  | 593.7 | 592.9 | 592.0 | 591.2 | 590.4 | 591.2 | 592.0 | 592.9 |
| 145°   | 612.7 | 610.8 | 609.8  | 609.9 | 610.0 | 610.1 | 610.2 | 610.3 | 610.2 | 610.1 | 610.0 |
| 147.5° | 629.0 | 627.0 | 626.0  | 626.2 | 626.5 | 626.8 | 627.2 | 627.5 | 627.2 | 626.8 | 626.5 |
| 150°   | 643.4 | 641.5 | 640.6  | 641.0 | 641.8 | 642.7 | 643.5 | 644.3 | 643.5 | 642.7 | 641.8 |
| 152.5° | 656.8 | 655.1 | 654.2  | 654.7 | 655.6 | 656.5 | 657.5 | 658.4 | 657.5 | 656.5 | 655.6 |
| 155°   | 669.4 | 668.0 | 667.3  | 667.8 | 668.9 | 669.9 | 671.0 | 672.0 | 671.0 | 669.9 | 668.9 |
| 157.5° | 680.4 | 679.3 | 678.8  | 679.3 | 680.2 | 681.1 | 682.1 | 683.0 | 682.1 | 681.1 | 680.2 |
| 160°   | 690.3 | 689.6 | 689.2  | 689.6 | 690.3 | 691.0 | 691.7 | 692.4 | 691.7 | 691.0 | 690.3 |
| 162.5° | 698.5 | 697.9 | 697.6  | 697.9 | 698.6 | 699.3 | 700.0 | 700.7 | 700.0 | 699.3 | 698.6 |
| 165°   | 705.4 | 705.1 | 704.9  | 705.3 | 706.0 | 706.7 | 707.4 | 708.1 | 707.4 | 706.7 | 706.0 |
| 167.5° | 711.2 | 710.9 | 710.7  | 711.0 | 711.7 | 712.4 | 713.1 | 713.8 | 713.1 | 712.4 | 711.7 |
| 170°   | 715.7 | 715.5 | 715.4  | 715.7 | 716.4 | 717.1 | 717.8 | 718.5 | 717.8 | 717.1 | 716.4 |
| 172.5° | 718.9 | 718.6 | 718.5  | 718.9 | 719.6 | 720.3 | 721.0 | 721.7 | 721.0 | 720.3 | 719.6 |
| 175°   | 721.0 | 720.7 | 720.6  | 721.0 | 721.8 | 722.7 | 723.5 | 724.3 | 723.5 | 722.7 | 721.8 |
| 177.5° | 721.9 | 721.8 | 721.7  | 722.1 | 722.9 | 723.7 | 724.5 | 725.3 | 724.5 | 723.7 | 722.9 |
| 180°   | 722.7 | 722.7 | 722.7  | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 |
| 2.5°   | 1876.9 | 1878.2 | 1882.2 | 1870.3 | 1851.8 | 1843.9 | 1820.2 | 1816.2 | 1812.3 | 1812.3 | 1816.2 |
| 5°     | 1834.7 | 1829.4 | 1830.7 | 1808.3 | 1781.9 | 1766.1 | 1733.1 | 1738.4 | 1721.3 | 1710.7 | 1713.4 |
| 7.5°   | 1788.5 | 1774.0 | 1772.7 | 1743.7 | 1710.7 | 1681.7 | 1647.4 | 1639.5 | 1623.7 | 1605.2 | 1597.3 |
| 10°    | 1730.5 | 1719.9 | 1700.2 | 1667.2 | 1625.0 | 1601.2 | 1555.1 | 1527.4 | 1523.4 | 1495.7 | 1485.2 |
| 12.5°  | 1671.1 | 1652.7 | 1632.9 | 1586.7 | 1539.2 | 1501.0 | 1466.7 | 1436.4 | 1415.3 | 1391.5 | 1375.7 |
| 15°    | 1602.6 | 1580.1 | 1557.7 | 1508.9 | 1453.5 | 1415.3 | 1363.8 | 1319.0 | 1257.0 | 1208.2 | 1180.5 |
| 17.5°  | 1527.4 | 1502.3 | 1472.0 | 1417.9 | 1363.8 | 1311.1 | 1216.1 | 1163.3 | 1119.8 | 1090.8 | 1073.6 |
| 20°    | 1449.6 | 1421.9 | 1391.5 | 1337.4 | 1243.8 | 1151.5 | 1098.7 | 1057.8 | 1031.4 | 1002.4 | 981.3  |
| 22.5°  | 1367.8 | 1338.8 | 1305.8 | 1221.4 | 1122.5 | 1057.8 | 1016.9 | 978.7  | 940.4  | 924.6  | 914.1  |
| 25°    | 1291.3 | 1264.9 | 1222.7 | 1107.9 | 1030.1 | 970.8  | 924.6  | 899.5  | 879.8  | 858.7  | 838.9  |
| 27.5°  | 1212.1 | 1163.3 | 1104.0 | 1007.7 | 958.9  | 898.2  | 865.3  | 846.8  | 812.5  | 798.0  | 788.7  |
| 30°    | 1117.2 | 1063.1 | 1006.4 | 937.8  | 881.1  | 838.9  | 808.5  | 778.2  | 758.4  | 743.9  | 728.1  |
| 32.5°  | 1020.9 | 969.5  | 933.8  | 862.6  | 820.4  | 776.9  | 747.9  | 729.4  | 700.4  | 691.1  | 684.6  |
| 35°    | 937.8  | 894.3  | 862.6  | 804.6  | 765.0  | 725.4  | 704.3  | 676.6  | 658.2  | 641.0  | 630.5  |
| 37.5°  | 856.0  | 832.3  | 799.3  | 750.5  | 708.3  | 676.6  | 647.6  | 638.4  | 613.3  | 604.1  | 593.5  |
| 40°    | 799.3  | 763.7  | 736.0  | 693.8  | 658.2  | 623.9  | 605.4  | 584.3  | 567.2  | 552.7  | 548.7  |
| 42.5°  | 730.7  | 704.3  | 688.5  | 642.3  | 605.4  | 585.6  | 563.2  | 539.5  | 526.3  | 514.4  | 499.9  |
| 45°    | 679.3  | 655.5  | 633.1  | 596.2  | 563.2  | 538.1  | 518.4  | 502.5  | 480.1  | 474.8  | 452.4  |
| 47.5°  | 625.2  | 601.5  | 584.3  | 547.4  | 517.0  | 493.3  | 478.8  | 457.7  | 439.2  | 427.3  | 416.8  |
| 50°    | 571.1  | 551.3  | 535.5  | 503.9  | 477.5  | 452.4  | 432.6  | 411.5  | 403.6  | 383.8  | 377.2  |
| 52.5°  | 519.7  | 506.5  | 489.3  | 459.0  | 432.6  | 411.5  | 390.4  | 373.3  | 361.4  | 350.8  | 342.9  |
| 55°    | 476.2  | 455.0  | 447.1  | 414.2  | 391.7  | 369.3  | 350.8  | 340.3  | 325.8  | 319.2  | 312.6  |
| 57.5°  | 427.3  | 415.5  | 402.3  | 377.2  | 352.2  | 331.1  | 317.9  | 302.0  | 294.1  | 286.2  | 280.9  |
| 60°    | 385.1  | 368.0  | 357.4  | 336.3  | 313.9  | 294.1  | 282.3  | 270.4  | 259.8  | 253.2  | 242.7  |
| 62.5°  | 336.3  | 323.2  | 316.6  | 294.1  | 275.7  | 257.2  | 246.6  | 234.8  | 226.9  | 215.0  | 201.8  |
| 65°    | 294.1  | 283.6  | 275.7  | 257.2  | 240.1  | 222.9  | 212.4  | 197.8  | 187.3  | 180.7  | 179.4  |
| 67.5°  | 257.2  | 249.3  | 237.4  | 220.3  | 203.1  | 189.9  | 178.1  | 166.2  | 164.9  | 162.2  | 162.2  |
| 70°    | 216.3  | 208.4  | 201.8  | 183.3  | 168.8  | 154.3  | 151.7  | 147.7  | 143.8  | 142.4  | 139.8  |
| 72.5°  | 180.7  | 174.1  | 166.2  | 150.4  | 135.9  | 131.9  | 129.3  | 126.6  | 122.7  | 121.3  | 120.0  |
| 75°    | 146.4  | 137.2  | 131.9  | 117.4  | 113.4  | 110.8  | 108.2  | 104.2  | 101.6  | 100.2  | 97.6   |
| 77.5°  | 112.1  | 102.9  | 102.9  | 95.0   | 92.3   | 88.4   | 85.7   | 83.1   | 81.8   | 79.1   | 79.1   |
| 80°    | 79.1   | 79.1   | 76.5   | 72.5   | 68.6   | 67.3   | 63.3   | 62.0   | 60.7   | 62.0   | 59.4   |
| 82.5°  | 58.0   | 52.8   | 52.8   | 50.1   | 47.5   | 46.2   | 43.5   | 43.5   | 42.2   | 42.2   | 42.2   |
| 85°    | 33.0   | 33.0   | 31.7   | 29.0   | 27.7   | 27.7   | 26.4   | 26.4   | 25.1   | 25.1   | 23.7   |
| 87.5°  | 13.2   | 11.9   | 13.2   | 11.9   | 11.9   | 10.6   | 10.6   | 10.6   | 9.2    | 10.6   | 9.2    |
| 90°    | 5.7    | 6.3    | 6.8    | 7.7    | 8.6    | 9.6    | 10.5   | 11.1   | 11.7   | 12.2   | 12.8   |
| 92.5°  | 11.2   | 11.0   | 11.2   | 11.5   | 11.9   | 12.2   | 12.6   | 12.8   | 13.0   | 13.3   | 13.5   |
| 95°    | 18.6   | 16.7   | 17.1   | 17.9   | 18.8   | 19.6   | 20.4   | 21.0   | 21.6   | 22.1   | 22.7   |
| 97.5°  | 23.1   | 18.3   | 19.2   | 21.1   | 23.0   | 24.8   | 26.7   | 27.0   | 27.4   | 27.7   | 28.0   |
| 100°   | 28.9   | 20.9   | 21.9   | 23.9   | 25.8   | 27.8   | 29.8   | 30.7   | 31.7   | 32.6   | 33.5   |
| 102.5° | 126.1  | 126.0  | 115.4  | 94.3   | 73.2   | 52.0   | 30.9   | 32.2   | 33.4   | 34.7   | 36.0   |
| 105°   | 173.0  | 174.7  | 158.8  | 127.1  | 95.4   | 63.6   | 31.9   | 33.2   | 34.5   | 35.8   | 37.1   |
| 107.5° | 207.7  | 209.2  | 189.6  | 150.4  | 111.3  | 72.1   | 32.9   | 34.2   | 35.5   | 36.8   | 38.1   |
| 110°   | 241.4  | 242.6  | 225.8  | 192.2  | 158.7  | 125.1  | 91.5   | 79.9   | 68.3   | 56.6   | 45.0   |

TEST NUMBER: P1008515

CATALOG NUMBER: S122RDIP-B865D530UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 273.5 | 274.5  | 273.5 | 271.6 | 269.6 | 267.7 | 265.7 | 215.6 | 165.5 | 115.4 | 65.3  |
| 115°   | 308.6 | 309.6  | 311.1 | 314.0 | 316.9 | 319.8 | 322.7 | 268.9 | 215.1 | 161.2 | 107.4 |
| 117.5° | 340.8 | 342.0  | 343.0 | 345.0 | 346.9 | 348.9 | 350.9 | 334.3 | 317.7 | 301.0 | 284.4 |
| 120°   | 373.0 | 373.9  | 374.9 | 377.0 | 379.1 | 381.2 | 383.3 | 384.7 | 386.1 | 387.5 | 388.9 |
| 122.5° | 402.8 | 403.7  | 404.9 | 407.2 | 409.5 | 411.9 | 414.2 | 414.9 | 415.6 | 416.3 | 417.0 |
| 125°   | 431.2 | 432.0  | 433.1 | 435.3 | 437.5 | 439.7 | 441.9 | 442.7 | 443.5 | 444.3 | 445.1 |
| 127.5° | 458.9 | 459.7  | 460.6 | 462.3 | 464.0 | 465.8 | 467.5 | 468.7 | 469.8 | 471.0 | 472.1 |
| 130°   | 485.4 | 486.3  | 486.9 | 488.2 | 489.5 | 490.8 | 492.1 | 493.4 | 494.6 | 495.9 | 497.2 |
| 132.5° | 510.1 | 510.9  | 511.5 | 512.8 | 514.1 | 515.4 | 516.7 | 517.7 | 518.8 | 519.8 | 520.9 |
| 135°   | 533.5 | 534.4  | 534.9 | 536.0 | 537.1 | 538.1 | 539.2 | 540.4 | 541.5 | 542.7 | 543.8 |
| 137.5° | 554.7 | 555.4  | 556.0 | 557.1 | 558.3 | 559.4 | 560.6 | 561.8 | 562.9 | 564.1 | 565.2 |
| 140°   | 575.3 | 575.8  | 576.4 | 577.7 | 579.0 | 580.2 | 581.5 | 582.5 | 583.6 | 584.6 | 585.7 |
| 142.5° | 593.7 | 594.1  | 594.9 | 596.4 | 597.9 | 599.4 | 600.9 | 601.8 | 602.7 | 603.6 | 604.5 |
| 145°   | 609.9 | 609.8  | 610.8 | 612.7 | 614.7 | 616.6 | 618.6 | 619.4 | 620.2 | 621.1 | 621.9 |
| 147.5° | 626.2 | 626.0  | 627.0 | 629.0 | 630.9 | 632.9 | 634.9 | 635.5 | 636.1 | 636.6 | 637.2 |
| 150°   | 641.0 | 640.6  | 641.5 | 643.4 | 645.3 | 647.1 | 649.0 | 649.7 | 650.4 | 651.1 | 651.8 |
| 152.5° | 654.7 | 654.2  | 655.1 | 656.8 | 658.5 | 660.3 | 662.0 | 662.7 | 663.4 | 664.1 | 664.8 |
| 155°   | 667.8 | 667.3  | 668.0 | 669.4 | 670.8 | 672.2 | 673.6 | 674.3 | 675.0 | 675.7 | 676.4 |
| 157.5° | 679.3 | 678.8  | 679.3 | 680.4 | 681.4 | 682.5 | 683.5 | 684.3 | 685.1 | 685.9 | 686.7 |
| 160°   | 689.6 | 689.2  | 689.6 | 690.3 | 691.0 | 691.7 | 692.4 | 693.1 | 693.8 | 694.5 | 695.2 |
| 162.5° | 697.9 | 697.6  | 697.9 | 698.5 | 699.0 | 699.6 | 700.2 | 701.0 | 701.8 | 702.7 | 703.5 |
| 165°   | 705.3 | 704.9  | 705.1 | 705.4 | 705.8 | 706.1 | 706.5 | 707.3 | 708.1 | 709.0 | 709.8 |
| 167.5° | 711.0 | 710.7  | 710.9 | 711.2 | 711.5 | 711.9 | 712.2 | 713.0 | 713.8 | 714.7 | 715.5 |
| 170°   | 715.7 | 715.4  | 715.5 | 715.7 | 716.0 | 716.2 | 716.4 | 717.2 | 718.0 | 718.9 | 719.7 |
| 172.5° | 718.9 | 718.5  | 718.6 | 718.9 | 719.1 | 719.4 | 719.6 | 720.4 | 721.2 | 722.0 | 722.8 |
| 175°   | 721.0 | 720.6  | 720.7 | 721.0 | 721.2 | 721.5 | 721.7 | 722.5 | 723.3 | 724.1 | 724.9 |
| 177.5° | 722.1 | 721.7  | 721.8 | 721.9 | 722.0 | 722.1 | 722.2 | 723.0 | 723.8 | 724.6 | 725.4 |
| 180°   | 722.7 | 722.7  | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 |

TEST NUMBER: P1008515

CATALOG NUMBER: S122RDIP-B865D530UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 |
| 2.5°   | 1816.2 | 1813.6 | 1805.7 | 1808.3 | 1804.4 | 1804.4 | 1801.7 | 1801.7 | 1801.7 | 1808.3 | 1804.4 |
| 5°     | 1717.3 | 1708.1 | 1698.8 | 1694.9 | 1690.9 | 1687.0 | 1687.0 | 1685.7 | 1697.5 | 1694.9 | 1705.4 |
| 7.5°   | 1594.6 | 1592.0 | 1573.5 | 1573.5 | 1566.9 | 1564.3 | 1570.9 | 1572.2 | 1573.5 | 1576.2 | 1582.8 |
| 10°    | 1485.2 | 1478.6 | 1452.2 | 1454.8 | 1450.9 | 1445.6 | 1449.6 | 1446.9 | 1456.2 | 1458.8 | 1456.2 |
| 12.5°  | 1355.9 | 1344.0 | 1315.0 | 1300.5 | 1284.7 | 1272.8 | 1287.3 | 1276.8 | 1313.7 | 1324.3 | 1353.3 |
| 15°    | 1184.4 | 1162.0 | 1142.2 | 1142.2 | 1127.7 | 1117.2 | 1123.8 | 1135.6 | 1143.6 | 1155.4 | 1160.7 |
| 17.5°  | 1069.7 | 1060.5 | 1044.6 | 1035.4 | 1031.4 | 1027.5 | 1027.5 | 1032.8 | 1049.9 | 1048.6 | 1059.1 |
| 20°    | 972.1  | 966.8  | 958.9  | 947.0  | 943.1  | 940.4  | 940.4  | 940.4  | 952.3  | 962.9  | 969.5  |
| 22.5°  | 904.8  | 900.9  | 895.6  | 879.8  | 871.8  | 869.2  | 875.8  | 879.8  | 889.0  | 896.9  | 903.5  |
| 25°    | 837.6  | 828.3  | 819.1  | 813.8  | 809.9  | 809.9  | 812.5  | 813.8  | 817.8  | 821.7  | 829.6  |
| 27.5°  | 782.2  | 775.6  | 762.4  | 747.9  | 747.9  | 743.9  | 746.5  | 749.2  | 758.4  | 771.6  | 778.2  |
| 30°    | 720.2  | 718.8  | 713.6  | 708.3  | 703.0  | 700.4  | 705.7  | 709.6  | 710.9  | 717.5  | 717.5  |
| 32.5°  | 675.3  | 666.1  | 656.9  | 651.6  | 648.9  | 647.6  | 648.9  | 654.2  | 654.2  | 662.1  | 671.4  |
| 35°    | 630.5  | 625.2  | 616.0  | 606.7  | 604.1  | 597.5  | 602.8  | 608.0  | 617.3  | 621.2  | 625.2  |
| 37.5°  | 581.7  | 575.1  | 571.1  | 568.5  | 563.2  | 564.5  | 560.6  | 568.5  | 576.4  | 575.1  | 577.7  |
| 40°    | 544.7  | 532.9  | 521.0  | 519.7  | 518.4  | 517.0  | 517.0  | 518.4  | 523.6  | 528.9  | 536.8  |
| 42.5°  | 497.3  | 493.3  | 482.7  | 472.2  | 469.6  | 466.9  | 464.3  | 469.6  | 480.1  | 489.3  | 493.3  |
| 45°    | 448.5  | 443.2  | 440.5  | 432.6  | 427.3  | 426.0  | 423.4  | 430.0  | 439.2  | 443.2  | 445.8  |
| 47.5°  | 403.6  | 402.3  | 394.4  | 395.7  | 391.7  | 393.1  | 391.7  | 395.7  | 395.7  | 399.7  | 402.3  |
| 50°    | 373.3  | 369.3  | 365.4  | 362.7  | 358.8  | 358.8  | 357.4  | 358.8  | 364.0  | 369.3  | 368.0  |
| 52.5°  | 342.9  | 336.3  | 335.0  | 333.7  | 331.1  | 333.7  | 329.7  | 331.1  | 336.3  | 339.0  | 337.7  |
| 55°    | 307.3  | 306.0  | 303.4  | 300.7  | 299.4  | 298.1  | 298.1  | 298.1  | 303.4  | 307.3  | 308.6  |
| 57.5°  | 279.6  | 273.0  | 267.8  | 267.8  | 262.5  | 261.2  | 263.8  | 265.1  | 269.1  | 271.7  | 274.3  |
| 60°    | 241.4  | 238.7  | 230.8  | 226.9  | 219.0  | 217.6  | 217.6  | 222.9  | 229.5  | 238.7  | 241.4  |
| 62.5°  | 200.5  | 196.5  | 195.2  | 195.2  | 195.2  | 195.2  | 195.2  | 195.2  | 195.2  | 196.5  | 196.5  |
| 65°    | 178.1  | 179.4  | 178.1  | 176.7  | 178.1  | 178.1  | 176.7  | 176.7  | 176.7  | 178.1  | 179.4  |
| 67.5°  | 159.6  | 158.3  | 159.6  | 158.3  | 157.0  | 157.0  | 155.6  | 157.0  | 158.3  | 159.6  | 159.6  |
| 70°    | 138.5  | 138.5  | 137.2  | 138.5  | 137.2  | 135.9  | 134.5  | 134.5  | 137.2  | 138.5  | 138.5  |
| 72.5°  | 118.7  | 118.7  | 117.4  | 117.4  | 114.8  | 114.8  | 116.1  | 114.8  | 114.8  | 118.7  | 118.7  |
| 75°    | 98.9   | 97.6   | 96.3   | 96.3   | 95.0   | 95.0   | 95.0   | 93.6   | 96.3   | 96.3   | 97.6   |
| 77.5°  | 77.8   | 77.8   | 77.8   | 76.5   | 76.5   | 75.2   | 75.2   | 76.5   | 76.5   | 76.5   | 77.8   |
| 80°    | 59.4   | 59.4   | 59.4   | 58.0   | 56.7   | 56.7   | 56.7   | 56.7   | 56.7   | 58.0   | 56.7   |
| 82.5°  | 40.9   | 40.9   | 40.9   | 40.9   | 40.9   | 39.6   | 39.6   | 39.6   | 40.9   | 40.9   | 39.6   |
| 85°    | 25.1   | 23.7   | 25.1   | 25.1   | 23.7   | 25.1   | 23.7   | 23.7   | 22.4   | 22.4   | 23.7   |
| 87.5°  | 10.6   | 9.2    | 7.9    | 7.9    | 9.2    | 7.9    | 7.9    | 7.9    | 9.2    | 7.9    | 7.9    |
| 90°    | 13.1   | 13.2   | 13.4   | 13.7   | 13.9   | 14.1   | 13.9   | 13.7   | 13.4   | 13.2   | 13.1   |
| 92.5°  | 13.6   | 13.7   | 13.8   | 13.9   | 14.0   | 14.1   | 14.0   | 13.9   | 13.8   | 13.7   | 13.6   |
| 95°    | 23.0   | 22.9   | 22.8   | 22.7   | 22.6   | 22.5   | 22.6   | 22.7   | 22.8   | 22.9   | 23.0   |
| 97.5°  | 28.2   | 28.3   | 28.4   | 28.5   | 28.7   | 28.8   | 28.7   | 28.5   | 28.4   | 28.3   | 28.2   |
| 100°   | 34.0   | 34.1   | 34.3   | 34.6   | 34.8   | 35.0   | 34.8   | 34.6   | 34.3   | 34.1   | 34.0   |
| 102.5° | 36.6   | 36.8   | 37.1   | 37.5   | 37.8   | 38.2   | 37.8   | 37.5   | 37.1   | 36.8   | 36.6   |
| 105°   | 37.7   | 37.9   | 38.4   | 38.8   | 39.3   | 39.7   | 39.3   | 38.8   | 38.4   | 37.9   | 37.7   |
| 107.5° | 38.7   | 38.9   | 39.4   | 39.9   | 40.3   | 40.8   | 40.3   | 39.9   | 39.4   | 38.9   | 38.7   |
| 110°   | 39.2   | 39.4   | 39.9   | 40.4   | 40.8   | 41.3   | 40.8   | 40.4   | 39.9   | 39.4   | 39.2   |

TEST NUMBER: P1008515

CATALOG NUMBER: S122RDIP-B865D530UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 40.3   | 40.5  | 40.8  | 41.1  | 41.5  | 41.8  | 41.5  | 41.1  | 40.8  | 40.5  | 40.3   |
| 115°   | 80.5   | 76.3  | 68.0  | 59.6  | 51.3  | 42.9  | 51.3  | 59.6  | 68.0  | 76.3  | 80.5   |
| 117.5° | 276.1  | 260.9 | 230.4 | 200.0 | 169.5 | 139.1 | 169.5 | 200.0 | 230.4 | 260.9 | 276.1  |
| 120°   | 389.6  | 381.8 | 366.1 | 350.4 | 334.7 | 319.0 | 334.7 | 350.4 | 366.1 | 381.8 | 389.6  |
| 122.5° | 417.3  | 417.4 | 417.5 | 417.6 | 417.7 | 417.8 | 417.7 | 417.6 | 417.5 | 417.4 | 417.3  |
| 125°   | 445.5  | 445.7 | 446.0 | 446.4 | 446.7 | 447.1 | 446.7 | 446.4 | 446.0 | 445.7 | 445.5  |
| 127.5° | 472.7  | 472.8 | 472.9 | 473.0 | 473.2 | 473.3 | 473.2 | 473.0 | 472.9 | 472.8 | 472.7  |
| 130°   | 497.8  | 497.7 | 497.6 | 497.5 | 497.4 | 497.3 | 497.4 | 497.5 | 497.6 | 497.7 | 497.8  |
| 132.5° | 521.4  | 521.3 | 521.2 | 521.1 | 521.0 | 520.9 | 521.0 | 521.1 | 521.2 | 521.3 | 521.4  |
| 135°   | 544.4  | 544.3 | 544.0 | 543.8 | 543.5 | 543.3 | 543.5 | 543.8 | 544.0 | 544.3 | 544.4  |
| 137.5° | 565.8  | 565.6 | 565.3 | 565.0 | 564.6 | 564.3 | 564.6 | 565.0 | 565.3 | 565.6 | 565.8  |
| 140°   | 586.2  | 585.9 | 585.3 | 584.8 | 584.2 | 583.6 | 584.2 | 584.8 | 585.3 | 585.9 | 586.2  |
| 142.5° | 605.0  | 604.7 | 604.1 | 603.6 | 603.0 | 602.4 | 603.0 | 603.6 | 604.1 | 604.7 | 605.0  |
| 145°   | 622.3  | 622.0 | 621.4 | 620.9 | 620.3 | 619.7 | 620.3 | 620.9 | 621.4 | 622.0 | 622.3  |
| 147.5° | 637.5  | 637.3 | 636.8 | 636.3 | 635.9 | 635.4 | 635.9 | 636.3 | 636.8 | 637.3 | 637.5  |
| 150°   | 652.1  | 651.8 | 651.2 | 650.7 | 650.1 | 649.5 | 650.1 | 650.7 | 651.2 | 651.8 | 652.1  |
| 152.5° | 665.2  | 664.8 | 664.0 | 663.1 | 662.3 | 661.5 | 662.3 | 663.1 | 664.0 | 664.8 | 665.2  |
| 155°   | 676.7  | 676.2 | 675.3 | 674.4 | 673.4 | 672.5 | 673.4 | 674.4 | 675.3 | 676.2 | 676.7  |
| 157.5° | 687.1  | 686.6 | 685.7 | 684.8 | 683.9 | 683.0 | 683.9 | 684.8 | 685.7 | 686.6 | 687.1  |
| 160°   | 695.5  | 695.1 | 694.3 | 693.5 | 692.7 | 691.9 | 692.7 | 693.5 | 694.3 | 695.1 | 695.5  |
| 162.5° | 703.9  | 703.4 | 702.3 | 701.3 | 700.2 | 699.2 | 700.2 | 701.3 | 702.3 | 703.4 | 703.9  |
| 165°   | 710.2  | 709.8 | 709.0 | 708.1 | 707.3 | 706.5 | 707.3 | 708.1 | 709.0 | 709.8 | 710.2  |
| 167.5° | 715.9  | 715.4 | 714.3 | 713.3 | 712.2 | 711.2 | 712.2 | 713.3 | 714.3 | 715.4 | 715.9  |
| 170°   | 720.1  | 719.6 | 718.5 | 717.5 | 716.4 | 715.4 | 716.4 | 717.5 | 718.5 | 719.6 | 720.1  |
| 172.5° | 723.2  | 722.7 | 721.6 | 720.6 | 719.5 | 718.5 | 719.5 | 720.6 | 721.6 | 722.7 | 723.2  |
| 175°   | 725.3  | 724.7 | 723.6 | 722.4 | 721.3 | 720.1 | 721.3 | 722.4 | 723.6 | 724.7 | 725.3  |
| 177.5° | 725.8  | 725.3 | 724.2 | 723.2 | 722.1 | 721.1 | 722.1 | 723.2 | 724.2 | 725.3 | 725.8  |
| 180°   | 722.7  | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7  |

TEST NUMBER: P1008515

CATALOG NUMBER: S122RDIP-B865D530UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 |
| 2.5°   | 1808.3 | 1814.9 | 1812.3 | 1797.8 | 1812.3 | 1816.2 | 1824.1 | 1832.1 | 1837.3 | 1845.3 | 1851.8 |
| 5°     | 1694.9 | 1708.1 | 1716.0 | 1708.1 | 1734.5 | 1738.4 | 1756.9 | 1767.4 | 1783.3 | 1796.5 | 1807.0 |
| 7.5°   | 1588.1 | 1598.6 | 1614.4 | 1617.1 | 1632.9 | 1651.4 | 1677.7 | 1704.1 | 1729.2 | 1742.4 | 1754.2 |
| 10°    | 1473.3 | 1491.8 | 1515.5 | 1510.2 | 1534.0 | 1563.0 | 1590.7 | 1632.9 | 1654.0 | 1677.7 | 1698.8 |
| 12.5°  | 1358.5 | 1370.4 | 1402.1 | 1412.6 | 1446.9 | 1469.3 | 1507.6 | 1534.0 | 1586.7 | 1614.4 | 1632.9 |
| 15°    | 1158.1 | 1206.9 | 1246.4 | 1293.9 | 1338.8 | 1381.0 | 1415.3 | 1462.7 | 1508.9 | 1530.0 | 1560.4 |
| 17.5°  | 1067.1 | 1089.5 | 1113.2 | 1137.0 | 1195.0 | 1270.2 | 1330.9 | 1382.3 | 1421.9 | 1449.6 | 1485.2 |
| 20°    | 972.1  | 994.5  | 1020.9 | 1043.3 | 1078.9 | 1133.0 | 1208.2 | 1296.6 | 1344.0 | 1373.1 | 1407.4 |
| 22.5°  | 904.8  | 925.9  | 943.1  | 962.9  | 990.6  | 1030.1 | 1086.8 | 1196.3 | 1259.6 | 1295.2 | 1325.6 |
| 25°    | 832.3  | 858.7  | 877.1  | 891.6  | 914.1  | 957.6  | 1003.7 | 1065.7 | 1179.2 | 1206.9 | 1249.1 |
| 27.5°  | 782.2  | 790.1  | 811.2  | 833.6  | 856.0  | 879.8  | 927.2  | 980.0  | 1056.5 | 1117.2 | 1168.6 |
| 30°    | 722.8  | 742.6  | 762.4  | 771.6  | 791.4  | 825.7  | 854.7  | 911.4  | 970.8  | 1018.3 | 1080.2 |
| 32.5°  | 678.0  | 689.8  | 703.0  | 725.4  | 743.9  | 767.6  | 796.7  | 844.1  | 894.3  | 924.6  | 972.1  |
| 35°    | 627.8  | 635.7  | 663.4  | 672.7  | 691.1  | 714.9  | 743.9  | 780.8  | 834.9  | 858.7  | 892.9  |
| 37.5°  | 580.4  | 598.8  | 606.7  | 627.8  | 645.0  | 668.7  | 689.8  | 732.0  | 767.6  | 795.3  | 827.0  |
| 40°    | 543.4  | 551.3  | 565.8  | 584.3  | 598.8  | 617.3  | 643.7  | 674.0  | 712.2  | 734.7  | 762.4  |
| 42.5°  | 498.6  | 505.2  | 523.6  | 534.2  | 557.9  | 575.1  | 590.9  | 627.8  | 662.1  | 679.3  | 707.0  |
| 45°    | 449.8  | 465.6  | 477.5  | 498.6  | 511.8  | 532.9  | 552.7  | 579.0  | 610.7  | 630.5  | 646.3  |
| 47.5°  | 407.6  | 423.4  | 435.3  | 455.0  | 476.2  | 485.4  | 506.5  | 534.2  | 563.2  | 579.0  | 601.5  |
| 50°    | 373.3  | 378.5  | 401.0  | 410.2  | 432.6  | 451.1  | 465.6  | 489.3  | 521.0  | 530.2  | 548.7  |
| 52.5°  | 340.3  | 344.3  | 358.8  | 370.6  | 390.4  | 406.2  | 424.7  | 447.1  | 473.5  | 488.0  | 502.5  |
| 55°    | 311.3  | 313.9  | 320.5  | 333.7  | 346.9  | 366.7  | 383.8  | 404.9  | 427.3  | 443.2  | 456.4  |
| 57.5°  | 278.3  | 283.6  | 288.9  | 296.8  | 310.0  | 328.4  | 346.9  | 366.7  | 385.1  | 395.7  | 412.8  |
| 60°    | 240.1  | 248.0  | 257.2  | 266.4  | 275.7  | 288.9  | 310.0  | 328.4  | 345.6  | 354.8  | 368.0  |
| 62.5°  | 199.2  | 215.0  | 222.9  | 233.5  | 241.4  | 253.2  | 269.1  | 290.2  | 302.0  | 313.9  | 324.5  |
| 65°    | 179.4  | 180.7  | 182.0  | 192.6  | 207.1  | 219.0  | 233.5  | 249.3  | 267.8  | 275.7  | 283.6  |
| 67.5°  | 159.6  | 160.9  | 163.6  | 164.9  | 170.1  | 183.3  | 199.2  | 216.3  | 230.8  | 236.1  | 244.0  |
| 70°    | 139.8  | 139.8  | 145.1  | 146.4  | 147.7  | 149.0  | 162.2  | 179.4  | 192.6  | 199.2  | 208.4  |
| 72.5°  | 118.7  | 120.0  | 122.7  | 124.0  | 126.6  | 129.3  | 133.2  | 142.4  | 158.3  | 164.9  | 175.4  |
| 75°    | 97.6   | 98.9   | 100.2  | 101.6  | 105.5  | 106.8  | 110.8  | 116.1  | 122.7  | 130.6  | 137.2  |
| 77.5°  | 77.8   | 77.8   | 79.1   | 81.8   | 84.4   | 85.7   | 89.7   | 92.3   | 95.0   | 98.9   | 104.2  |
| 80°    | 58.0   | 59.4   | 59.4   | 62.0   | 62.0   | 63.3   | 64.6   | 68.6   | 71.2   | 73.9   | 76.5   |
| 82.5°  | 39.6   | 42.2   | 42.2   | 42.2   | 43.5   | 44.8   | 46.2   | 46.2   | 48.8   | 50.1   | 54.1   |
| 85°    | 23.7   | 25.1   | 25.1   | 25.1   | 23.7   | 26.4   | 26.4   | 27.7   | 27.7   | 27.7   | 29.0   |
| 87.5°  | 9.2    | 7.9    | 9.2    | 9.2    | 9.2    | 10.6   | 9.2    | 9.2    | 10.6   | 11.9   | 11.9   |
| 90°    | 12.8   | 12.2   | 11.7   | 11.1   | 10.5   | 9.6    | 8.6    | 7.7    | 6.8    | 6.3    | 5.7    |
| 92.5°  | 13.5   | 13.3   | 13.0   | 12.8   | 12.6   | 12.2   | 11.9   | 11.5   | 11.2   | 11.0   | 11.2   |
| 95°    | 22.7   | 22.1   | 21.6   | 21.0   | 20.4   | 19.6   | 18.8   | 17.9   | 17.1   | 16.7   | 18.6   |
| 97.5°  | 28.0   | 27.7   | 27.4   | 27.0   | 26.7   | 24.8   | 23.0   | 21.1   | 19.2   | 18.3   | 23.1   |
| 100°   | 33.5   | 32.6   | 31.7   | 30.7   | 29.8   | 27.8   | 25.8   | 23.9   | 21.9   | 20.9   | 28.9   |
| 102.5° | 36.0   | 34.7   | 33.4   | 32.2   | 30.9   | 52.0   | 73.2   | 94.3   | 115.4  | 126.0  | 126.1  |
| 105°   | 37.1   | 35.8   | 34.5   | 33.2   | 31.9   | 63.6   | 95.4   | 127.1  | 158.8  | 174.7  | 173.0  |
| 107.5° | 38.1   | 36.8   | 35.5   | 34.2   | 32.9   | 72.1   | 111.3  | 150.4  | 189.6  | 209.2  | 207.7  |
| 110°   | 45.0   | 56.6   | 68.3   | 79.9   | 91.5   | 125.1  | 158.7  | 192.2  | 225.8  | 242.6  | 241.4  |

TEST NUMBER: P1008515

CATALOG NUMBER: S122RDIP-B865D530UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 65.3  | 115.4 | 165.5 | 215.6 | 265.7 | 267.7 | 269.6 | 271.6 | 273.5 | 274.5  | 273.5 |
| 115°   | 107.4 | 161.2 | 215.1 | 268.9 | 322.7 | 319.8 | 316.9 | 314.0 | 311.1 | 309.6  | 308.6 |
| 117.5° | 284.4 | 301.0 | 317.7 | 334.3 | 350.9 | 348.9 | 346.9 | 345.0 | 343.0 | 342.0  | 340.8 |
| 120°   | 388.9 | 387.5 | 386.1 | 384.7 | 383.3 | 381.2 | 379.1 | 377.0 | 374.9 | 373.9  | 373.0 |
| 122.5° | 417.0 | 416.3 | 415.6 | 414.9 | 414.2 | 411.9 | 409.5 | 407.2 | 404.9 | 403.7  | 402.8 |
| 125°   | 445.1 | 444.3 | 443.5 | 442.7 | 441.9 | 439.7 | 437.5 | 435.3 | 433.1 | 432.0  | 431.2 |
| 127.5° | 472.1 | 471.0 | 469.8 | 468.7 | 467.5 | 465.8 | 464.0 | 462.3 | 460.6 | 459.7  | 458.9 |
| 130°   | 497.2 | 495.9 | 494.6 | 493.4 | 492.1 | 490.8 | 489.5 | 488.2 | 486.9 | 486.3  | 485.4 |
| 132.5° | 520.9 | 519.8 | 518.8 | 517.7 | 516.7 | 515.4 | 514.1 | 512.8 | 511.5 | 510.9  | 510.1 |
| 135°   | 543.8 | 542.7 | 541.5 | 540.4 | 539.2 | 538.1 | 537.1 | 536.0 | 534.9 | 534.4  | 533.5 |
| 137.5° | 565.2 | 564.1 | 562.9 | 561.8 | 560.6 | 559.4 | 558.3 | 557.1 | 556.0 | 555.4  | 554.7 |
| 140°   | 585.7 | 584.6 | 583.6 | 582.5 | 581.5 | 580.2 | 579.0 | 577.7 | 576.4 | 575.8  | 575.3 |
| 142.5° | 604.5 | 603.6 | 602.7 | 601.8 | 600.9 | 599.4 | 597.9 | 596.4 | 594.9 | 594.1  | 593.7 |
| 145°   | 621.9 | 621.1 | 620.2 | 619.4 | 618.6 | 616.6 | 614.7 | 612.7 | 610.8 | 609.8  | 609.9 |
| 147.5° | 637.2 | 636.6 | 636.1 | 635.5 | 634.9 | 632.9 | 630.9 | 629.0 | 627.0 | 626.0  | 626.2 |
| 150°   | 651.8 | 651.1 | 650.4 | 649.7 | 649.0 | 647.1 | 645.3 | 643.4 | 641.5 | 640.6  | 641.0 |
| 152.5° | 664.8 | 664.1 | 663.4 | 662.7 | 662.0 | 660.3 | 658.5 | 656.8 | 655.1 | 654.2  | 654.7 |
| 155°   | 676.4 | 675.7 | 675.0 | 674.3 | 673.6 | 672.2 | 670.8 | 669.4 | 668.0 | 667.3  | 667.8 |
| 157.5° | 686.7 | 685.9 | 685.1 | 684.3 | 683.5 | 682.5 | 681.4 | 680.4 | 679.3 | 678.8  | 679.3 |
| 160°   | 695.2 | 694.5 | 693.8 | 693.1 | 692.4 | 691.7 | 691.0 | 690.3 | 689.6 | 689.2  | 689.6 |
| 162.5° | 703.5 | 702.7 | 701.8 | 701.0 | 700.2 | 699.6 | 699.0 | 698.5 | 697.9 | 697.6  | 697.9 |
| 165°   | 709.8 | 709.0 | 708.1 | 707.3 | 706.5 | 706.1 | 705.8 | 705.4 | 705.1 | 704.9  | 705.3 |
| 167.5° | 715.5 | 714.7 | 713.8 | 713.0 | 712.2 | 711.9 | 711.5 | 711.2 | 710.9 | 710.7  | 711.0 |
| 170°   | 719.7 | 718.9 | 718.0 | 717.2 | 716.4 | 716.2 | 716.0 | 715.7 | 715.5 | 715.4  | 715.7 |
| 172.5° | 722.8 | 722.0 | 721.2 | 720.4 | 719.6 | 719.4 | 719.1 | 718.9 | 718.6 | 718.5  | 718.9 |
| 175°   | 724.9 | 724.1 | 723.3 | 722.5 | 721.7 | 721.5 | 721.2 | 721.0 | 720.7 | 720.6  | 721.0 |
| 177.5° | 725.4 | 724.6 | 723.8 | 723.0 | 722.2 | 722.1 | 722.0 | 721.9 | 721.8 | 721.7  | 722.1 |
| 180°   | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7 | 722.7  | 722.7 |

TEST NUMBER: P1008515

CATALOG NUMBER: S122RDIP-B865D530UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1898.0 | 1898.0 | 1898.0 | 1898.0 |
| 2.5°   | 1863.7 | 1859.8 | 1883.5 | 1909.9 |
| 5°     | 1825.5 | 1832.1 | 1862.4 | 1899.3 |
| 7.5°   | 1785.9 | 1800.4 | 1836.0 | 1884.8 |
| 10°    | 1730.5 | 1756.9 | 1811.0 | 1861.1 |
| 12.5°  | 1676.4 | 1712.0 | 1763.5 | 1822.8 |
| 15°    | 1615.8 | 1655.3 | 1718.6 | 1789.9 |
| 17.5°  | 1548.5 | 1593.3 | 1667.2 | 1745.0 |
| 20°    | 1477.3 | 1536.6 | 1614.4 | 1698.8 |
| 22.5°  | 1398.1 | 1469.3 | 1549.8 | 1643.4 |
| 25°    | 1321.6 | 1399.4 | 1479.9 | 1588.1 |
| 27.5°  | 1246.4 | 1322.9 | 1412.6 | 1522.1 |
| 30°    | 1171.3 | 1241.2 | 1337.4 | 1454.8 |
| 32.5°  | 1090.8 | 1163.3 | 1264.9 | 1384.9 |
| 35°    | 1016.9 | 1089.5 | 1184.4 | 1303.2 |
| 37.5°  | 937.8  | 1015.6 | 1106.6 | 1229.3 |
| 40°    | 845.5  | 936.5  | 1024.8 | 1142.2 |
| 42.5°  | 769.0  | 865.3  | 951.0  | 1061.8 |
| 45°    | 708.3  | 799.3  | 870.5  | 978.7  |
| 47.5°  | 651.6  | 725.4  | 798.0  | 898.2  |
| 50°    | 597.5  | 654.2  | 729.4  | 819.1  |
| 52.5°  | 542.1  | 590.9  | 655.5  | 739.9  |
| 55°    | 492.0  | 538.1  | 596.2  | 660.8  |
| 57.5°  | 445.8  | 478.8  | 536.8  | 594.9  |
| 60°    | 394.4  | 428.7  | 473.5  | 522.3  |
| 62.5°  | 350.8  | 377.2  | 419.4  | 460.3  |
| 65°    | 304.7  | 329.7  | 361.4  | 399.7  |
| 67.5°  | 262.5  | 284.9  | 310.0  | 340.3  |
| 70°    | 224.2  | 241.4  | 259.8  | 286.2  |
| 72.5°  | 183.3  | 201.8  | 219.0  | 240.1  |
| 75°    | 150.4  | 158.3  | 172.8  | 187.3  |
| 77.5°  | 116.1  | 126.6  | 134.5  | 146.4  |
| 80°    | 83.1   | 92.3   | 95.0   | 104.2  |
| 82.5°  | 55.4   | 60.7   | 65.9   | 68.6   |
| 85°    | 31.7   | 34.3   | 39.6   | 40.9   |
| 87.5°  | 11.9   | 13.2   | 15.8   | 18.5   |
| 90°    | 4.4    | 3.1    | 1.8    | 0.5    |
| 92.5°  | 11.7   | 12.2   | 12.6   | 13.1   |
| 95°    | 22.5   | 26.3   | 30.2   | 34.0   |
| 97.5°  | 32.6   | 42.1   | 51.7   | 61.2   |
| 100°   | 44.8   | 60.7   | 76.7   | 92.6   |
| 102.5° | 126.4  | 126.6  | 126.9  | 127.1  |
| 105°   | 169.5  | 166.0  | 162.5  | 159.0  |
| 107.5° | 204.8  | 201.9  | 199.0  | 196.1  |
| 110°   | 239.0  | 236.5  | 234.1  | 231.7  |

TEST NUMBER: P1008515

CATALOG NUMBER: S122RDIP-B865D530UB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 271.4 | 269.3 | 267.2 | 265.1 |
| 115°   | 306.6 | 304.7 | 302.7 | 300.7 |
| 117.5° | 338.5 | 336.2 | 333.8 | 331.5 |
| 120°   | 371.3 | 369.6 | 367.8 | 366.1 |
| 122.5° | 400.9 | 399.0 | 397.2 | 395.3 |
| 125°   | 429.7 | 428.2 | 426.7 | 425.2 |
| 127.5° | 457.2 | 455.6 | 453.9 | 452.3 |
| 130°   | 483.5 | 481.7 | 479.8 | 478.0 |
| 132.5° | 508.6 | 507.1 | 505.6 | 504.1 |
| 135°   | 531.6 | 529.8 | 527.9 | 526.1 |
| 137.5° | 553.3 | 551.9 | 550.5 | 549.1 |
| 140°   | 574.4 | 573.5 | 572.5 | 571.6 |
| 142.5° | 592.9 | 592.0 | 591.2 | 590.4 |
| 145°   | 610.0 | 610.1 | 610.2 | 610.3 |
| 147.5° | 626.5 | 626.8 | 627.2 | 627.5 |
| 150°   | 641.8 | 642.7 | 643.5 | 644.3 |
| 152.5° | 655.6 | 656.5 | 657.5 | 658.4 |
| 155°   | 668.9 | 669.9 | 671.0 | 672.0 |
| 157.5° | 680.2 | 681.1 | 682.1 | 683.0 |
| 160°   | 690.3 | 691.0 | 691.7 | 692.4 |
| 162.5° | 698.6 | 699.3 | 700.0 | 700.7 |
| 165°   | 706.0 | 706.7 | 707.4 | 708.1 |
| 167.5° | 711.7 | 712.4 | 713.1 | 713.8 |
| 170°   | 716.4 | 717.1 | 717.8 | 718.5 |
| 172.5° | 719.6 | 720.3 | 721.0 | 721.7 |
| 175°   | 721.8 | 722.7 | 723.5 | 724.3 |
| 177.5° | 722.9 | 723.7 | 724.5 | 725.3 |
| 180°   | 722.7 | 722.7 | 722.7 | 722.7 |

(END OF REPORT)