

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: P1000994

Luminaire Tested: SA4XXDIP-B1195D590UB2750-4F0-XX-W2A-A\_3500K

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1000994  
REPORT IS A COMBINATION OF REPORTS P995610 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: SA4XXDIP-B1195D590UB2750-4F0-XX-W2A-A\_3500K  
Description: Define 4 Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}  
Light Source: -  
Ballast/Driver: -

**Summary**

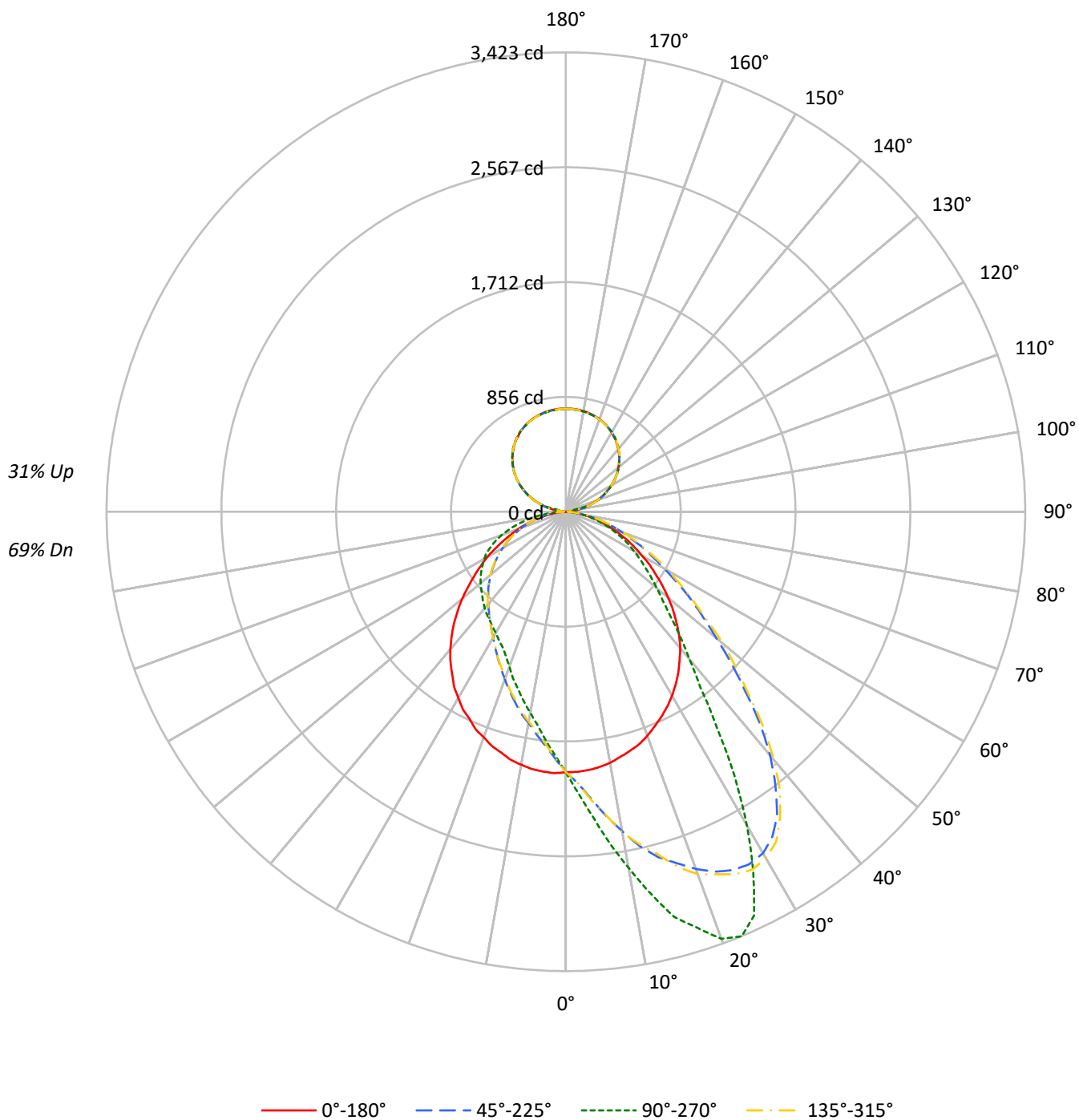
Lumens per Lamp: N/A  
Luminaire Lumens: 7730.0 lumens  
Efficiency: N/A  
Efficacy: 100.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 76.7  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1000994

CATALOG NUMBER: SA4XXDIP-B1195D590UB2750-4F0-XX-W2A-A\_3500K

### Luminous Intensity Polar Plot



TEST NUMBER: P1000994

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

|     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 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 | 0  |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 94 | 94 | 94 | 83 | 83 | 83 | 74 | 74 | 74 | 69 |    |    |    |
| 1   | 102 | 98  | 94  | 91  | 97  | 93  | 89  | 86  | 83 | 80 | 78 | 74 | 72 | 70 | 66 | 64 | 63 | 59 |    |    |    |
| 2   | 94  | 86  | 80  | 75  | 88  | 82  | 76  | 71  | 73 | 69 | 65 | 65 | 62 | 59 | 58 | 56 | 54 | 50 |    |    |    |
| 3   | 86  | 76  | 69  | 63  | 81  | 72  | 65  | 60  | 65 | 60 | 55 | 58 | 54 | 51 | 52 | 49 | 46 | 43 |    |    |    |
| 4   | 79  | 68  | 59  | 53  | 74  | 64  | 57  | 51  | 58 | 52 | 47 | 52 | 47 | 44 | 47 | 43 | 40 | 37 |    |    |    |
| 5   | 72  | 60  | 52  | 46  | 68  | 58  | 50  | 44  | 52 | 46 | 41 | 47 | 42 | 38 | 42 | 38 | 35 | 32 |    |    |    |
| 6   | 67  | 54  | 46  | 40  | 63  | 52  | 44  | 39  | 47 | 41 | 36 | 43 | 37 | 34 | 38 | 34 | 31 | 28 |    |    |    |
| 7   | 62  | 49  | 41  | 36  | 58  | 47  | 40  | 34  | 43 | 37 | 32 | 39 | 34 | 30 | 35 | 31 | 28 | 25 |    |    |    |
| 8   | 58  | 45  | 37  | 32  | 54  | 43  | 36  | 31  | 39 | 33 | 29 | 36 | 31 | 27 | 32 | 28 | 25 | 23 |    |    |    |
| 9   | 54  | 41  | 34  | 28  | 51  | 39  | 32  | 28  | 36 | 30 | 26 | 33 | 28 | 24 | 30 | 26 | 22 | 20 |    |    |    |
| 10  | 50  | 38  | 31  | 26  | 48  | 36  | 29  | 25  | 33 | 27 | 23 | 30 | 25 | 22 | 28 | 24 | 20 | 19 |    |    |    |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 15819 | 15819 | 15819 | 15819 |
| 5°  | 15779 | 18148 | 15871 | 13637 |
| 10° | 15661 | 21173 | 15781 | 11963 |
| 15° | 15473 | 24408 | 15580 | 10704 |
| 20° | 15273 | 26467 | 15383 | 9597  |
| 25° | 14980 | 26165 | 15123 | 8781  |
| 30° | 14694 | 21626 | 14873 | 8359  |
| 35° | 14293 | 16116 | 14450 | 8104  |
| 40° | 13824 | 12140 | 13959 | 7979  |
| 45° | 13110 | 9743  | 13273 | 7809  |
| 50° | 12256 | 8208  | 12434 | 7729  |
| 55° | 11252 | 7144  | 11428 | 7639  |
| 60° | 10275 | 6291  | 10577 | 7511  |
| 65° | 9360  | 5414  | 9448  | 7199  |
| 70° | 8284  | 4453  | 8462  | 6629  |
| 75° | 7225  | 3421  | 7179  | 5632  |
| 80° | 5684  | 2249  | 5618  | 4275  |
| 85° | 3740  | 1010  | 3507  | 2492  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 20455 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 188.8  | 2.4       |
| 10°-20°   | 582.7  | 7.5       |
| 20°-30°   | 925.8  | 12.0      |
| 30°-40°   | 1028.7 | 13.3      |
| 40°-50°   | 935.5  | 12.1      |
| 50°-60°   | 764.5  | 9.9       |
| 60°-70°   | 545.7  | 7.1       |
| 70°-80°   | 300.3  | 3.9       |
| 80°-90°   | 82.7   | 1.1       |
| 90°-100°  | 25.5   | 0.3       |
| 100°-110° | 167.8  | 2.2       |
| 110°-120° | 320.5  | 4.1       |
| 120°-130° | 406.8  | 5.3       |
| 130°-140° | 435.2  | 5.6       |
| 140°-150° | 406.9  | 5.3       |
| 150°-160° | 328.2  | 4.2       |
| 160°-170° | 211.6  | 2.7       |
| 170°-180° | 72.9   | 0.9       |
| 0°-30°    | 1697.3 | 22.0      |
| 0°-40°    | 2726.0 | 35.3      |
| 0°-60°    | 4425.9 | 57.3      |
| 0°-90°    | 5354.6 | 69.3      |
| 90°-120°  | 513.8  | 6.6       |
| 90°-150°  | 1762.7 | 22.8      |
| 90°-180°  | 2375.0 | 30.7      |
| 0°-180°   | 7730.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1940 | 1940 | 1940 | 1940 | 1940 |      |
| 5°   | 1932 | 2276 | 1943 | 1710 | 1932 | 183  |
| 15°  | 1845 | 3126 | 1858 | 1371 | 1845 | 521  |
| 25°  | 1684 | 3319 | 1700 | 1114 | 1684 | 776  |
| 35°  | 1461 | 1962 | 1477 | 987  | 1461 | 913  |
| 45°  | 1165 | 1101 | 1180 | 882  | 1165 | 899  |
| 55°  | 820  | 720  | 832  | 770  | 820  | 737  |
| 65°  | 511  | 463  | 516  | 616  | 511  | 505  |
| 75°  | 251  | 231  | 249  | 381  | 251  | 263  |
| 85°  | 51   | 48   | 48   | 119  | 51   | 60   |
| 90°  | 2    | 17   | 2    | 17   | 2    | 5    |
| 95°  | 32   | 17   | 32   | 17   | 32   | 39   |
| 105° | 173  | 164  | 173  | 164  | 173  | 181  |
| 115° | 323  | 325  | 323  | 325  | 323  | 318  |
| 125° | 454  | 457  | 454  | 457  | 454  | 405  |
| 135° | 563  | 567  | 563  | 567  | 563  | 434  |
| 145° | 649  | 652  | 649  | 652  | 649  | 405  |
| 155° | 711  | 711  | 711  | 711  | 711  | 328  |
| 165° | 750  | 747  | 750  | 747  | 750  | 212  |
| 175° | 768  | 763  | 768  | 763  | 768  | 73   |
| 180° | 768  | 768  | 768  | 768  | 768  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 |
| 2.5°   | 1939.9 | 1959.2 | 1967.2 | 1973.6 | 1994.5 | 2001.0 | 2002.6 | 2012.2 | 2020.3 | 2021.9 | 2021.9 |
| 5°     | 1931.9 | 1962.4 | 1986.5 | 2009.0 | 2042.8 | 2057.2 | 2074.9 | 2094.2 | 2119.9 | 2136.0 | 2144.0 |
| 7.5°   | 1919.0 | 1964.0 | 2001.0 | 2039.5 | 2086.2 | 2115.1 | 2131.2 | 2182.6 | 2217.9 | 2246.9 | 2282.2 |
| 10°    | 1899.7 | 1957.6 | 2010.6 | 2066.9 | 2132.8 | 2168.1 | 2203.5 | 2266.2 | 2316.0 | 2372.2 | 2417.2 |
| 12.5°  | 1870.8 | 1946.3 | 2010.6 | 2089.4 | 2171.3 | 2213.1 | 2254.9 | 2364.2 | 2422.1 | 2471.9 | 2552.2 |
| 15°    | 1845.1 | 1920.6 | 2012.2 | 2092.6 | 2193.8 | 2256.5 | 2317.6 | 2388.3 | 2479.9 | 2587.6 | 2664.7 |
| 17.5°  | 1816.1 | 1911.0 | 1996.1 | 2108.7 | 2221.2 | 2280.6 | 2330.4 | 2439.7 | 2568.3 | 2674.4 | 2745.1 |
| 20°    | 1776.0 | 1872.4 | 1984.9 | 2103.8 | 2237.2 | 2283.8 | 2349.7 | 2496.0 | 2611.7 | 2716.2 | 2831.9 |
| 22.5°  | 1729.4 | 1841.9 | 1960.8 | 2074.9 | 2213.1 | 2311.2 | 2383.5 | 2512.1 | 2651.9 | 2772.4 | 2902.6 |
| 25°    | 1684.3 | 1806.5 | 1911.0 | 2066.9 | 2213.1 | 2279.0 | 2361.0 | 2513.7 | 2666.4 | 2812.6 | 2946.0 |
| 27.5°  | 1636.1 | 1750.2 | 1891.7 | 2015.4 | 2181.0 | 2253.3 | 2341.7 | 2508.8 | 2671.2 | 2817.4 | 2960.5 |
| 30°    | 1583.1 | 1705.2 | 1822.6 | 1968.8 | 2129.5 | 2222.8 | 2304.7 | 2486.3 | 2651.9 | 2804.6 | 2938.0 |
| 32.5°  | 1523.6 | 1639.3 | 1764.7 | 1902.9 | 2071.7 | 2166.5 | 2269.4 | 2455.8 | 2632.6 | 2764.4 | 2867.3 |
| 35°    | 1460.9 | 1578.3 | 1687.6 | 1829.0 | 2002.6 | 2097.4 | 2197.0 | 2402.8 | 2578.0 | 2685.6 | 2745.1 |
| 37.5°  | 1391.8 | 1502.7 | 1610.4 | 1750.2 | 1923.8 | 2025.1 | 2126.3 | 2325.6 | 2491.2 | 2581.2 | 2565.1 |
| 40°    | 1325.9 | 1425.6 | 1525.2 | 1657.0 | 1838.6 | 1946.3 | 2034.7 | 2235.6 | 2380.3 | 2418.8 | 2365.8 |
| 42.5°  | 1250.4 | 1335.6 | 1432.0 | 1567.0 | 1743.8 | 1845.1 | 1956.0 | 2139.2 | 2246.9 | 2230.8 | 2140.8 |
| 45°    | 1165.2 | 1240.8 | 1337.2 | 1464.2 | 1644.2 | 1748.6 | 1841.9 | 2015.4 | 2094.2 | 2054.0 | 1890.1 |
| 47.5°  | 1083.3 | 1157.2 | 1235.9 | 1362.9 | 1538.1 | 1626.5 | 1721.3 | 1877.2 | 1922.2 | 1837.0 | 1673.1 |
| 50°    | 994.9  | 1055.9 | 1137.9 | 1258.4 | 1422.4 | 1515.6 | 1594.3 | 1719.7 | 1735.8 | 1631.3 | 1460.9 |
| 52.5°  | 909.7  | 961.1  | 1039.9 | 1158.8 | 1311.5 | 1385.4 | 1462.6 | 1573.5 | 1560.6 | 1452.9 | 1289.0 |
| 55°    | 819.7  | 867.9  | 940.2  | 1049.5 | 1184.5 | 1255.2 | 1321.1 | 1419.2 | 1391.8 | 1280.9 | 1137.9 |
| 57.5°  | 744.1  | 777.9  | 848.6  | 949.9  | 1060.8 | 1137.9 | 1194.2 | 1271.3 | 1229.5 | 1118.6 | 985.2  |
| 60°    | 657.3  | 699.1  | 758.6  | 840.6  | 949.9  | 1001.3 | 1051.1 | 1102.5 | 1073.6 | 967.5  | 848.6  |
| 62.5°  | 578.6  | 610.7  | 662.2  | 740.9  | 826.1  | 872.7  | 925.7  | 957.9  | 929.0  | 830.9  | 731.3  |
| 65°    | 511.1  | 536.8  | 577.0  | 641.3  | 723.2  | 761.8  | 792.4  | 822.9  | 798.8  | 707.2  | 634.8  |
| 67.5°  | 437.2  | 459.7  | 493.4  | 544.8  | 614.0  | 641.3  | 670.2  | 691.1  | 663.8  | 602.7  | 532.0  |
| 70°    | 371.3  | 387.3  | 419.5  | 458.1  | 506.3  | 532.0  | 556.1  | 577.0  | 552.9  | 501.4  | 448.4  |
| 72.5°  | 303.8  | 316.6  | 345.5  | 372.9  | 416.3  | 433.9  | 451.6  | 467.7  | 459.7  | 411.4  | 368.0  |
| 75°    | 250.7  | 255.5  | 274.8  | 297.3  | 324.7  | 343.9  | 356.8  | 366.4  | 360.0  | 321.4  | 294.1  |
| 77.5°  | 189.7  | 196.1  | 210.5  | 228.2  | 252.3  | 263.6  | 271.6  | 281.3  | 273.2  | 242.7  | 223.4  |
| 80°    | 138.2  | 139.8  | 147.9  | 163.9  | 180.0  | 181.6  | 189.7  | 202.5  | 197.7  | 176.8  | 162.3  |
| 82.5°  | 88.4   | 93.2   | 96.4   | 106.1  | 117.3  | 120.5  | 125.4  | 128.6  | 127.0  | 114.1  | 109.3  |
| 85°    | 51.4   | 51.4   | 54.6   | 61.1   | 64.3   | 69.1   | 70.7   | 72.3   | 75.5   | 67.5   | 62.7   |
| 87.5°  | 22.5   | 24.1   | 24.1   | 25.7   | 28.9   | 28.9   | 30.5   | 32.1   | 33.8   | 32.1   | 27.3   |
| 90°    | 1.7    | 3.1    | 4.5    | 5.9    | 7.3    | 8.0    | 8.5    | 9.5    | 10.6   | 11.6   | 12.6   |
| 92.5°  | 8.6    | 8.4    | 8.1    | 7.9    | 7.6    | 7.5    | 8.0    | 9.0    | 10.1   | 11.1   | 12.1   |
| 95°    | 31.6   | 27.3   | 22.9   | 18.6   | 14.3   | 12.1   | 12.2   | 12.3   | 12.4   | 12.5   | 12.6   |
| 97.5°  | 60.3   | 63.1   | 65.9   | 68.7   | 71.5   | 72.9   | 66.2   | 52.8   | 39.4   | 26.0   | 12.6   |
| 100°   | 94.2   | 96.5   | 98.8   | 101.1  | 103.4  | 104.5  | 95.7   | 78.1   | 60.5   | 42.9   | 25.3   |
| 102.5° | 132.1  | 133.6  | 135.1  | 136.6  | 138.1  | 138.9  | 139.7  | 141.2  | 142.7  | 144.3  | 145.8  |
| 105°   | 172.8  | 173.6  | 174.4  | 175.1  | 175.9  | 176.3  | 176.6  | 177.2  | 177.9  | 178.5  | 179.1  |
| 107.5° | 210.1  | 210.5  | 210.9  | 211.3  | 211.7  | 211.9  | 212.3  | 213.2  | 214.1  | 215.0  | 215.9  |
| 110°   | 248.0  | 248.4  | 248.8  | 249.2  | 249.6  | 249.8  | 250.2  | 250.9  | 251.7  | 252.4  | 253.2  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 284.8 | 285.6 | 286.3 | 287.1 | 287.8 | 288.2 | 288.3 | 288.6 | 288.9 | 289.1 | 289.4 |
| 115°   | 322.7 | 323.1 | 323.5 | 323.8 | 324.2 | 324.4 | 324.3 | 324.2 | 324.1 | 323.9 | 323.8 |
| 117.5° | 356.6 | 357.1 | 357.6 | 358.1 | 358.6 | 358.9 | 359.1 | 359.5 | 359.8 | 360.2 | 360.6 |
| 120°   | 391.0 | 391.5 | 392.0 | 392.5 | 393.0 | 393.3 | 393.2 | 393.1 | 393.0 | 392.8 | 392.7 |
| 122.5° | 423.2 | 423.4 | 423.7 | 423.9 | 424.2 | 424.3 | 424.4 | 424.7 | 425.0 | 425.2 | 425.5 |
| 125°   | 453.6 | 454.1 | 454.6 | 455.1 | 455.6 | 455.9 | 455.8 | 455.5 | 455.2 | 455.0 | 454.7 |
| 127.5° | 482.9 | 483.0 | 483.1 | 483.2 | 483.3 | 483.4 | 483.7 | 484.4 | 485.0 | 485.7 | 486.3 |
| 130°   | 511.0 | 511.1 | 511.3 | 511.4 | 511.5 | 511.6 | 511.8 | 512.2 | 512.5 | 512.9 | 513.3 |
| 132.5° | 536.8 | 537.1 | 537.3 | 537.6 | 537.9 | 538.0 | 538.3 | 538.8 | 539.3 | 539.8 | 540.3 |
| 135°   | 562.7 | 562.6 | 562.4 | 562.3 | 562.2 | 562.1 | 562.4 | 562.9 | 563.4 | 563.9 | 564.4 |
| 137.5° | 585.7 | 585.7 | 585.7 | 585.7 | 585.7 | 585.7 | 586.0 | 586.6 | 587.3 | 587.9 | 588.5 |
| 140°   | 608.0 | 608.3 | 608.5 | 608.8 | 609.1 | 609.2 | 609.3 | 609.6 | 609.8 | 610.1 | 610.3 |
| 142.5° | 628.1 | 628.6 | 629.1 | 629.6 | 630.1 | 630.4 | 630.5 | 630.6 | 630.7 | 630.9 | 631.0 |
| 145°   | 648.8 | 649.2 | 649.6 | 649.9 | 650.3 | 650.5 | 650.5 | 650.5 | 650.5 | 650.5 | 650.5 |
| 147.5° | 664.9 | 665.7 | 666.4 | 667.2 | 667.9 | 668.3 | 668.2 | 668.1 | 668.0 | 667.9 | 667.8 |
| 150°   | 682.7 | 683.2 | 683.7 | 684.2 | 684.7 | 685.0 | 684.9 | 684.8 | 684.7 | 684.5 | 684.4 |
| 152.5° | 697.6 | 698.0 | 698.4 | 698.7 | 699.1 | 699.3 | 699.2 | 698.9 | 698.7 | 698.4 | 698.2 |
| 155°   | 711.4 | 711.5 | 711.7 | 711.8 | 711.9 | 712.0 | 711.8 | 711.4 | 711.0 | 710.6 | 710.2 |
| 157.5° | 723.5 | 723.5 | 723.5 | 723.5 | 723.5 | 723.5 | 723.2 | 722.7 | 722.2 | 721.7 | 721.2 |
| 160°   | 733.8 | 733.4 | 733.0 | 732.7 | 732.3 | 732.1 | 732.0 | 731.9 | 731.8 | 731.6 | 731.5 |
| 162.5° | 743.0 | 742.5 | 742.0 | 741.5 | 741.0 | 740.7 | 740.6 | 740.5 | 740.4 | 740.2 | 740.1 |
| 165°   | 750.4 | 749.8 | 749.2 | 748.5 | 747.9 | 747.6 | 747.6 | 747.6 | 747.6 | 747.6 | 747.6 |
| 167.5° | 756.8 | 756.2 | 755.5 | 754.9 | 754.2 | 753.9 | 753.8 | 753.7 | 753.6 | 753.4 | 753.3 |
| 170°   | 761.9 | 761.1 | 760.4 | 759.6 | 758.9 | 758.5 | 758.6 | 758.7 | 758.8 | 758.9 | 759.0 |
| 172.5° | 765.4 | 764.6 | 763.8 | 763.1 | 762.3 | 761.9 | 762.0 | 762.1 | 762.2 | 762.4 | 762.5 |
| 175°   | 767.7 | 766.9 | 766.1 | 765.4 | 764.6 | 764.2 | 764.3 | 764.4 | 764.5 | 764.7 | 764.8 |
| 177.5° | 769.4 | 768.5 | 767.6 | 766.7 | 765.8 | 765.4 | 765.5 | 765.8 | 766.0 | 766.3 | 766.5 |
| 180°   | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 |
| 2.5°   | 2026.7 | 2055.6 | 2068.5 | 2071.7 | 2089.4 | 2078.1 | 2082.9 | 2081.3 | 2094.2 | 2095.8 | 2095.8 |
| 5°     | 2174.5 | 2208.3 | 2219.5 | 2235.6 | 2259.7 | 2266.2 | 2261.3 | 2271.0 | 2288.7 | 2275.8 | 2295.1 |
| 7.5°   | 2330.4 | 2367.4 | 2393.1 | 2428.5 | 2436.5 | 2457.4 | 2470.3 | 2481.5 | 2484.7 | 2486.3 | 2489.6 |
| 10°    | 2475.1 | 2521.7 | 2557.1 | 2616.5 | 2629.4 | 2640.6 | 2696.9 | 2674.4 | 2703.3 | 2693.7 | 2696.9 |
| 12.5°  | 2592.4 | 2684.0 | 2713.0 | 2812.6 | 2822.2 | 2860.8 | 2857.6 | 2893.0 | 2899.4 | 2912.3 | 2899.4 |
| 15°    | 2746.7 | 2852.8 | 2899.4 | 2955.6 | 2987.8 | 3032.8 | 3040.8 | 3089.0 | 3108.3 | 3126.0 | 3108.3 |
| 17.5°  | 2888.1 | 2944.4 | 3063.3 | 3108.3 | 3129.2 | 3153.3 | 3214.4 | 3232.1 | 3261.0 | 3249.8 | 3281.9 |
| 20°    | 2958.9 | 3039.2 | 3164.6 | 3241.7 | 3273.9 | 3296.4 | 3347.8 | 3375.1 | 3386.4 | 3386.4 | 3389.6 |
| 22.5°  | 3021.5 | 3137.3 | 3230.5 | 3318.9 | 3347.8 | 3363.9 | 3394.4 | 3415.3 | 3420.1 | 3423.3 | 3426.6 |
| 25°    | 3077.8 | 3182.3 | 3257.8 | 3307.6 | 3318.9 | 3318.9 | 3336.6 | 3323.7 | 3302.8 | 3318.9 | 3328.5 |
| 27.5°  | 3077.8 | 3151.7 | 3185.5 | 3203.2 | 3203.2 | 3159.8 | 3134.0 | 3081.0 | 3036.0 | 3023.2 | 3052.1 |
| 30°    | 3026.4 | 3060.1 | 3013.5 | 2970.1 | 2936.4 | 2907.4 | 2806.2 | 2725.8 | 2709.7 | 2698.5 | 2741.9 |
| 32.5°  | 2907.4 | 2864.0 | 2772.4 | 2647.1 | 2597.2 | 2531.3 | 2452.6 | 2391.5 | 2354.6 | 2341.7 | 2332.1 |
| 35°    | 2696.9 | 2584.4 | 2465.5 | 2296.7 | 2261.3 | 2177.8 | 2070.1 | 2025.1 | 1964.0 | 1962.4 | 1983.3 |
| 37.5°  | 2467.1 | 2293.5 | 2164.9 | 2004.2 | 1954.4 | 1866.0 | 1764.7 | 1718.1 | 1676.3 | 1644.2 | 1682.7 |
| 40°    | 2198.7 | 2047.6 | 1851.5 | 1719.7 | 1649.0 | 1602.4 | 1517.2 | 1465.8 | 1446.5 | 1430.4 | 1454.5 |
| 42.5°  | 1947.9 | 1782.4 | 1629.7 | 1494.7 | 1436.8 | 1383.8 | 1327.6 | 1277.7 | 1263.3 | 1261.7 | 1279.3 |
| 45°    | 1698.8 | 1536.5 | 1395.1 | 1279.3 | 1242.4 | 1210.2 | 1155.6 | 1141.1 | 1117.0 | 1100.9 | 1109.0 |
| 47.5°  | 1499.5 | 1332.4 | 1215.0 | 1126.6 | 1094.5 | 1067.2 | 1031.8 | 1007.7 | 986.8  | 980.4  | 990.0  |
| 50°    | 1303.4 | 1190.9 | 1070.4 | 996.5  | 972.4  | 946.6  | 919.3  | 896.8  | 887.2  | 880.7  | 887.2  |
| 52.5°  | 1145.9 | 1025.4 | 943.4  | 884.0  | 859.9  | 840.6  | 821.3  | 811.6  | 798.8  | 802.0  | 808.4  |
| 55°    | 1004.5 | 898.4  | 829.3  | 785.9  | 771.5  | 763.4  | 739.3  | 728.1  | 723.2  | 720.0  | 723.2  |
| 57.5°  | 871.1  | 794.0  | 742.5  | 705.6  | 686.3  | 681.5  | 662.2  | 662.2  | 657.3  | 652.5  | 654.1  |
| 60°    | 765.0  | 699.1  | 649.3  | 620.4  | 617.2  | 609.1  | 596.3  | 594.7  | 583.4  | 588.2  | 589.8  |
| 62.5°  | 657.3  | 604.3  | 570.6  | 552.9  | 541.6  | 538.4  | 530.4  | 528.8  | 523.9  | 525.6  | 522.3  |
| 65°    | 572.2  | 528.8  | 495.0  | 480.6  | 475.7  | 474.1  | 467.7  | 462.9  | 459.7  | 462.9  | 459.7  |
| 67.5°  | 487.0  | 458.1  | 432.3  | 417.9  | 411.4  | 409.8  | 405.0  | 401.8  | 403.4  | 398.6  | 401.8  |
| 70°    | 406.6  | 377.7  | 361.6  | 353.6  | 350.4  | 345.5  | 345.5  | 345.5  | 345.5  | 342.3  | 340.7  |
| 72.5°  | 342.3  | 313.4  | 302.2  | 297.3  | 294.1  | 292.5  | 287.7  | 289.3  | 287.7  | 286.1  | 292.5  |
| 75°    | 271.6  | 253.9  | 242.7  | 237.9  | 241.1  | 236.3  | 231.4  | 234.7  | 229.8  | 231.4  | 237.9  |
| 77.5°  | 205.7  | 197.7  | 191.3  | 188.0  | 184.8  | 181.6  | 181.6  | 178.4  | 178.4  | 178.4  | 178.4  |
| 80°    | 149.5  | 147.9  | 136.6  | 135.0  | 135.0  | 131.8  | 131.8  | 131.8  | 131.8  | 130.2  | 131.8  |
| 82.5°  | 99.6   | 98.0   | 94.8   | 93.2   | 90.0   | 91.6   | 91.6   | 88.4   | 88.4   | 86.8   | 88.4   |
| 85°    | 57.9   | 57.9   | 54.6   | 53.0   | 51.4   | 53.0   | 49.8   | 48.2   | 49.8   | 48.2   | 49.8   |
| 87.5°  | 27.3   | 24.1   | 25.7   | 24.1   | 20.9   | 22.5   | 19.3   | 20.9   | 19.3   | 17.7   | 20.9   |
| 90°    | 13.4   | 14.2   | 14.9   | 15.7   | 16.1   | 16.2   | 16.5   | 16.7   | 17.0   | 17.2   | 17.0   |
| 92.5°  | 12.9   | 13.6   | 14.4   | 15.1   | 15.5   | 15.5   | 15.5   | 15.5   | 15.5   | 15.5   | 15.5   |
| 95°    | 13.4   | 14.2   | 14.9   | 15.7   | 16.1   | 16.2   | 16.3   | 16.4   | 16.6   | 16.7   | 16.6   |
| 97.5°  | 13.2   | 13.9   | 14.5   | 15.2   | 15.5   | 15.6   | 15.7   | 15.8   | 16.0   | 16.1   | 16.0   |
| 100°   | 23.1   | 20.9   | 18.8   | 16.6   | 15.5   | 15.6   | 15.7   | 15.8   | 16.0   | 16.1   | 16.0   |
| 102.5° | 117.1  | 88.4   | 59.7   | 31.0   | 16.7   | 16.7   | 16.7   | 16.7   | 16.7   | 16.7   | 16.7   |
| 105°   | 180.3  | 181.4  | 182.6  | 183.7  | 184.3  | 182.0  | 177.4  | 172.8  | 168.2  | 163.6  | 168.2  |
| 107.5° | 216.5  | 217.2  | 217.8  | 218.5  | 218.8  | 219.1  | 219.6  | 220.1  | 220.6  | 221.1  | 220.6  |
| 110°   | 253.5  | 253.7  | 254.0  | 254.3  | 254.4  | 254.6  | 255.0  | 255.3  | 255.7  | 256.1  | 255.7  |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 289.3 | 289.1 | 289.0 | 288.9 | 288.8 | 289.1 | 289.6 | 290.1 | 290.6 | 291.1 | 290.6 |
| 115°   | 324.1 | 324.3 | 324.6 | 324.9 | 325.0 | 325.0 | 325.0 | 325.0 | 325.0 | 325.0 | 325.0 |
| 117.5° | 360.5 | 360.3 | 360.2 | 360.1 | 360.0 | 360.0 | 360.0 | 360.0 | 360.0 | 360.0 | 360.0 |
| 120°   | 393.0 | 393.2 | 393.5 | 393.8 | 393.9 | 393.8 | 393.5 | 393.2 | 393.0 | 392.7 | 393.0 |
| 122.5° | 425.6 | 425.7 | 425.8 | 425.9 | 426.0 | 425.9 | 425.6 | 425.4 | 425.1 | 424.9 | 425.1 |
| 125°   | 455.1 | 455.5 | 455.9 | 456.3 | 456.5 | 456.6 | 456.7 | 456.8 | 456.9 | 457.0 | 456.9 |
| 127.5° | 486.2 | 486.0 | 485.9 | 485.8 | 485.7 | 485.6 | 485.5 | 485.4 | 485.3 | 485.2 | 485.3 |
| 130°   | 513.4 | 513.6 | 513.7 | 513.8 | 513.9 | 513.9 | 513.9 | 513.9 | 513.9 | 513.9 | 513.9 |
| 132.5° | 540.4 | 540.6 | 540.7 | 540.8 | 540.9 | 540.8 | 540.7 | 540.6 | 540.4 | 540.3 | 540.4 |
| 135°   | 564.7 | 564.9 | 565.2 | 565.5 | 565.6 | 565.7 | 566.0 | 566.2 | 566.5 | 566.7 | 566.5 |
| 137.5° | 588.8 | 589.0 | 589.3 | 589.6 | 589.7 | 589.6 | 589.5 | 589.4 | 589.2 | 589.1 | 589.2 |
| 140°   | 610.7 | 611.1 | 611.5 | 611.9 | 612.1 | 612.2 | 612.3 | 612.4 | 612.5 | 612.6 | 612.5 |
| 142.5° | 631.3 | 631.5 | 631.8 | 632.1 | 632.2 | 632.2 | 632.2 | 632.2 | 632.2 | 632.2 | 632.2 |
| 145°   | 650.6 | 650.8 | 650.9 | 651.0 | 651.1 | 651.2 | 651.5 | 651.8 | 652.0 | 652.3 | 652.0 |
| 147.5° | 667.9 | 668.0 | 668.1 | 668.2 | 668.3 | 668.4 | 668.5 | 668.6 | 668.8 | 668.9 | 668.8 |
| 150°   | 684.4 | 684.4 | 684.4 | 684.4 | 684.4 | 684.5 | 684.6 | 684.7 | 684.9 | 685.0 | 684.9 |
| 152.5° | 698.4 | 698.7 | 698.9 | 699.2 | 699.3 | 699.2 | 699.1 | 699.0 | 698.9 | 698.8 | 698.9 |
| 155°   | 710.7 | 711.2 | 711.7 | 712.2 | 712.5 | 712.3 | 711.9 | 711.6 | 711.2 | 710.8 | 711.2 |
| 157.5° | 721.8 | 722.4 | 723.1 | 723.7 | 724.0 | 723.7 | 723.1 | 722.4 | 721.8 | 721.2 | 721.8 |
| 160°   | 732.3 | 733.0 | 733.8 | 734.5 | 734.9 | 734.5 | 733.8 | 733.0 | 732.3 | 731.5 | 732.3 |
| 162.5° | 740.9 | 741.6 | 742.4 | 743.1 | 743.5 | 743.1 | 742.2 | 741.3 | 740.4 | 739.5 | 740.4 |
| 165°   | 748.6 | 749.6 | 750.7 | 751.7 | 752.2 | 751.6 | 750.5 | 749.3 | 748.2 | 747.0 | 748.2 |
| 167.5° | 754.5 | 755.6 | 756.8 | 757.9 | 758.5 | 757.9 | 756.6 | 755.3 | 754.0 | 752.7 | 754.0 |
| 170°   | 760.0 | 761.0 | 762.1 | 763.1 | 763.6 | 763.0 | 761.7 | 760.4 | 759.2 | 757.9 | 759.2 |
| 172.5° | 763.5 | 764.5 | 765.6 | 766.6 | 767.1 | 766.4 | 765.0 | 763.6 | 762.2 | 760.8 | 762.2 |
| 175°   | 766.0 | 767.1 | 768.3 | 769.4 | 770.0 | 769.2 | 767.7 | 766.2 | 764.6 | 763.1 | 764.6 |
| 177.5° | 767.5 | 768.5 | 769.6 | 770.6 | 771.1 | 770.3 | 768.8 | 767.3 | 765.7 | 764.2 | 765.7 |
| 180°   | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 |

TEST NUMBER: P1000994

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**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 |
| 2.5°   | 2092.6 | 2087.8 | 2081.3 | 2081.3 | 2073.3 | 2073.3 | 2060.4 | 2037.9 | 2018.6 | 2012.2 | 2015.4 |
| 5°     | 2271.0 | 2272.6 | 2262.9 | 2254.9 | 2240.4 | 2229.2 | 2208.3 | 2168.1 | 2155.3 | 2129.5 | 2111.9 |
| 7.5°   | 2475.1 | 2468.7 | 2451.0 | 2438.1 | 2434.9 | 2409.2 | 2364.2 | 2316.0 | 2277.4 | 2251.7 | 2214.7 |
| 10°    | 2704.9 | 2679.2 | 2653.5 | 2645.5 | 2626.2 | 2582.8 | 2531.3 | 2478.3 | 2425.3 | 2369.0 | 2306.3 |
| 12.5°  | 2897.8 | 2848.0 | 2846.4 | 2827.1 | 2790.1 | 2766.0 | 2704.9 | 2629.4 | 2537.8 | 2475.1 | 2404.4 |
| 15°    | 3105.1 | 3058.5 | 3019.9 | 2984.6 | 2966.9 | 2896.2 | 2844.8 | 2749.9 | 2640.6 | 2573.1 | 2524.9 |
| 17.5°  | 3253.0 | 3232.1 | 3166.2 | 3150.1 | 3126.0 | 3044.0 | 2962.1 | 2868.9 | 2774.0 | 2679.2 | 2549.0 |
| 20°    | 3371.9 | 3359.1 | 3315.7 | 3293.2 | 3254.6 | 3190.3 | 3090.7 | 2983.0 | 2873.7 | 2738.7 | 2616.5 |
| 22.5°  | 3423.3 | 3407.3 | 3371.9 | 3352.6 | 3328.5 | 3273.9 | 3188.7 | 3066.5 | 2923.5 | 2803.0 | 2672.8 |
| 25°    | 3322.1 | 3351.0 | 3341.4 | 3333.3 | 3323.7 | 3291.6 | 3227.3 | 3119.6 | 2979.8 | 2843.1 | 2680.8 |
| 27.5°  | 3093.9 | 3143.7 | 3191.9 | 3198.3 | 3214.4 | 3227.3 | 3201.5 | 3124.4 | 3007.1 | 2862.4 | 2684.0 |
| 30°    | 2786.9 | 2809.4 | 2907.4 | 2936.4 | 2958.9 | 3040.8 | 3089.0 | 3069.8 | 2979.8 | 2849.6 | 2685.6 |
| 32.5°  | 2393.1 | 2452.6 | 2552.2 | 2621.3 | 2682.4 | 2774.0 | 2899.4 | 2949.2 | 2917.1 | 2811.0 | 2648.7 |
| 35°    | 2020.3 | 2091.0 | 2206.7 | 2295.1 | 2356.2 | 2486.3 | 2634.2 | 2741.9 | 2782.1 | 2729.0 | 2584.4 |
| 37.5°  | 1714.9 | 1800.1 | 1902.9 | 1936.7 | 2007.4 | 2168.1 | 2372.2 | 2521.7 | 2619.7 | 2624.6 | 2512.1 |
| 40°    | 1485.1 | 1528.5 | 1610.4 | 1661.8 | 1731.0 | 1866.0 | 2065.3 | 2262.9 | 2410.8 | 2460.6 | 2401.2 |
| 42.5°  | 1290.6 | 1324.3 | 1385.4 | 1448.1 | 1510.8 | 1613.6 | 1796.9 | 1981.7 | 2181.0 | 2280.6 | 2279.0 |
| 45°    | 1136.3 | 1171.7 | 1213.4 | 1264.9 | 1308.3 | 1419.2 | 1563.8 | 1753.5 | 1925.4 | 2079.7 | 2118.3 |
| 47.5°  | 1001.3 | 1031.8 | 1083.3 | 1105.8 | 1134.7 | 1239.2 | 1364.5 | 1541.3 | 1719.7 | 1896.5 | 1941.5 |
| 50°    | 901.6  | 927.4  | 962.7  | 977.2  | 1009.3 | 1086.5 | 1189.3 | 1332.4 | 1530.1 | 1692.4 | 1776.0 |
| 52.5°  | 811.6  | 830.9  | 858.2  | 869.5  | 892.0  | 949.9  | 1043.1 | 1155.6 | 1319.5 | 1486.7 | 1604.0 |
| 55°    | 734.5  | 747.3  | 766.6  | 779.5  | 795.6  | 847.0  | 916.1  | 1017.4 | 1158.8 | 1303.4 | 1417.6 |
| 57.5°  | 662.2  | 671.8  | 691.1  | 697.5  | 710.4  | 750.6  | 798.8  | 884.0  | 1014.1 | 1142.7 | 1253.6 |
| 60°    | 594.7  | 601.1  | 612.3  | 626.8  | 636.5  | 663.8  | 708.8  | 779.5  | 884.0  | 1001.3 | 1091.3 |
| 62.5°  | 530.4  | 540.0  | 543.2  | 549.7  | 557.7  | 583.4  | 618.8  | 670.2  | 761.8  | 858.2  | 953.1  |
| 65°    | 464.5  | 472.5  | 478.9  | 480.6  | 488.6  | 507.9  | 540.0  | 585.0  | 644.5  | 728.1  | 816.5  |
| 67.5°  | 403.4  | 408.2  | 411.4  | 417.9  | 425.9  | 435.6  | 461.3  | 495.0  | 549.7  | 617.2  | 687.9  |
| 70°    | 347.2  | 347.2  | 352.0  | 353.6  | 363.2  | 374.5  | 385.7  | 417.9  | 466.1  | 520.7  | 569.0  |
| 72.5°  | 286.1  | 294.1  | 292.5  | 300.5  | 298.9  | 307.0  | 321.4  | 342.3  | 377.7  | 421.1  | 467.7  |
| 75°    | 233.0  | 237.9  | 237.9  | 237.9  | 241.1  | 247.5  | 255.5  | 274.8  | 302.2  | 337.5  | 364.8  |
| 77.5°  | 181.6  | 184.8  | 184.8  | 184.8  | 186.4  | 192.9  | 200.9  | 213.8  | 233.0  | 253.9  | 270.0  |
| 80°    | 130.2  | 133.4  | 133.4  | 136.6  | 136.6  | 138.2  | 146.3  | 152.7  | 162.3  | 178.4  | 194.5  |
| 82.5°  | 88.4   | 90.0   | 93.2   | 93.2   | 91.6   | 94.8   | 96.4   | 102.9  | 112.5  | 115.7  | 127.0  |
| 85°    | 48.2   | 49.8   | 51.4   | 51.4   | 53.0   | 56.3   | 54.6   | 61.1   | 61.1   | 67.5   | 70.7   |
| 87.5°  | 19.3   | 22.5   | 22.5   | 20.9   | 22.5   | 22.5   | 22.5   | 25.7   | 27.3   | 28.9   | 27.3   |
| 90°    | 16.7   | 16.5   | 16.2   | 16.1   | 15.7   | 14.9   | 14.2   | 13.4   | 12.6   | 11.6   | 10.6   |
| 92.5°  | 15.5   | 15.5   | 15.5   | 15.5   | 15.1   | 14.4   | 13.6   | 12.9   | 12.1   | 11.1   | 10.1   |
| 95°    | 16.4   | 16.3   | 16.2   | 16.1   | 15.7   | 14.9   | 14.2   | 13.4   | 12.6   | 12.5   | 12.4   |
| 97.5°  | 15.8   | 15.7   | 15.6   | 15.5   | 15.2   | 14.5   | 13.9   | 13.2   | 12.6   | 26.0   | 39.4   |
| 100°   | 15.8   | 15.7   | 15.6   | 15.5   | 16.6   | 18.8   | 20.9   | 23.1   | 25.3   | 42.9   | 60.5   |
| 102.5° | 16.7   | 16.7   | 16.7   | 16.7   | 31.0   | 59.7   | 88.4   | 117.1  | 145.8  | 144.3  | 142.7  |
| 105°   | 172.8  | 177.4  | 182.0  | 184.3  | 183.7  | 182.6  | 181.4  | 180.3  | 179.1  | 178.5  | 177.9  |
| 107.5° | 220.1  | 219.6  | 219.1  | 218.8  | 218.5  | 217.8  | 217.2  | 216.5  | 215.9  | 215.0  | 214.1  |
| 110°   | 255.3  | 255.0  | 254.6  | 254.4  | 254.3  | 254.0  | 253.7  | 253.5  | 253.2  | 252.4  | 251.7  |



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**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 290.1 | 289.6 | 289.1 | 288.8  | 288.9 | 289.0 | 289.1 | 289.3 | 289.4 | 289.1 | 288.9 |
| 115°   | 325.0 | 325.0 | 325.0 | 325.0  | 324.9 | 324.6 | 324.3 | 324.1 | 323.8 | 323.9 | 324.1 |
| 117.5° | 360.0 | 360.0 | 360.0 | 360.0  | 360.1 | 360.2 | 360.3 | 360.5 | 360.6 | 360.2 | 359.8 |
| 120°   | 393.2 | 393.5 | 393.8 | 393.9  | 393.8 | 393.5 | 393.2 | 393.0 | 392.7 | 392.8 | 393.0 |
| 122.5° | 425.4 | 425.6 | 425.9 | 426.0  | 425.9 | 425.8 | 425.7 | 425.6 | 425.5 | 425.2 | 425.0 |
| 125°   | 456.8 | 456.7 | 456.6 | 456.5  | 456.3 | 455.9 | 455.5 | 455.1 | 454.7 | 455.0 | 455.2 |
| 127.5° | 485.4 | 485.5 | 485.6 | 485.7  | 485.8 | 485.9 | 486.0 | 486.2 | 486.3 | 485.7 | 485.0 |
| 130°   | 513.9 | 513.9 | 513.9 | 513.9  | 513.8 | 513.7 | 513.6 | 513.4 | 513.3 | 512.9 | 512.5 |
| 132.5° | 540.6 | 540.7 | 540.8 | 540.9  | 540.8 | 540.7 | 540.6 | 540.4 | 540.3 | 539.8 | 539.3 |
| 135°   | 566.2 | 566.0 | 565.7 | 565.6  | 565.5 | 565.2 | 564.9 | 564.7 | 564.4 | 563.9 | 563.4 |
| 137.5° | 589.4 | 589.5 | 589.6 | 589.7  | 589.6 | 589.3 | 589.0 | 588.8 | 588.5 | 587.9 | 587.3 |
| 140°   | 612.4 | 612.3 | 612.2 | 612.1  | 611.9 | 611.5 | 611.1 | 610.7 | 610.3 | 610.1 | 609.8 |
| 142.5° | 632.2 | 632.2 | 632.2 | 632.2  | 632.1 | 631.8 | 631.5 | 631.3 | 631.0 | 630.9 | 630.7 |
| 145°   | 651.8 | 651.5 | 651.2 | 651.1  | 651.0 | 650.9 | 650.8 | 650.6 | 650.5 | 650.5 | 650.5 |
| 147.5° | 668.6 | 668.5 | 668.4 | 668.3  | 668.2 | 668.1 | 668.0 | 667.9 | 667.8 | 667.9 | 668.0 |
| 150°   | 684.7 | 684.6 | 684.5 | 684.4  | 684.4 | 684.4 | 684.4 | 684.4 | 684.4 | 684.5 | 684.7 |
| 152.5° | 699.0 | 699.1 | 699.2 | 699.3  | 699.2 | 698.9 | 698.7 | 698.4 | 698.2 | 698.4 | 698.7 |
| 155°   | 711.6 | 711.9 | 712.3 | 712.5  | 712.2 | 711.7 | 711.2 | 710.7 | 710.2 | 710.6 | 711.0 |
| 157.5° | 722.4 | 723.1 | 723.7 | 724.0  | 723.7 | 723.1 | 722.4 | 721.8 | 721.2 | 721.7 | 722.2 |
| 160°   | 733.0 | 733.8 | 734.5 | 734.9  | 734.5 | 733.8 | 733.0 | 732.3 | 731.5 | 731.6 | 731.8 |
| 162.5° | 741.3 | 742.2 | 743.1 | 743.5  | 743.1 | 742.4 | 741.6 | 740.9 | 740.1 | 740.2 | 740.4 |
| 165°   | 749.3 | 750.5 | 751.6 | 752.2  | 751.7 | 750.7 | 749.6 | 748.6 | 747.6 | 747.6 | 747.6 |
| 167.5° | 755.3 | 756.6 | 757.9 | 758.5  | 757.9 | 756.8 | 755.6 | 754.5 | 753.3 | 753.4 | 753.6 |
| 170°   | 760.4 | 761.7 | 763.0 | 763.6  | 763.1 | 762.1 | 761.0 | 760.0 | 759.0 | 758.9 | 758.8 |
| 172.5° | 763.6 | 765.0 | 766.4 | 767.1  | 766.6 | 765.6 | 764.5 | 763.5 | 762.5 | 762.4 | 762.2 |
| 175°   | 766.2 | 767.7 | 769.2 | 770.0  | 769.4 | 768.3 | 767.1 | 766.0 | 764.8 | 764.7 | 764.5 |
| 177.5° | 767.3 | 768.8 | 770.3 | 771.1  | 770.6 | 769.6 | 768.5 | 767.5 | 766.5 | 766.3 | 766.0 |
| 180°   | 767.7 | 767.7 | 767.7 | 767.7  | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 |
| 2.5°   | 2001.0 | 1994.5 | 1989.7 | 1989.7 | 1975.3 | 1960.8 | 1952.8 | 1949.5 | 1946.3 | 1933.5 | 1915.8 |
| 5°     | 2082.9 | 2062.0 | 2047.6 | 2033.1 | 2009.0 | 1983.3 | 1957.6 | 1943.1 | 1922.2 | 1893.3 | 1872.4 |
| 7.5°   | 2174.5 | 2124.7 | 2108.7 | 2091.0 | 2042.8 | 1999.4 | 1964.0 | 1933.5 | 1899.7 | 1862.7 | 1825.8 |
| 10°    | 2251.7 | 2198.7 | 2163.3 | 2132.8 | 2070.1 | 2012.2 | 1959.2 | 1914.2 | 1870.8 | 1822.6 | 1777.6 |
| 12.5°  | 2325.6 | 2250.1 | 2213.1 | 2168.1 | 2102.2 | 2018.6 | 1949.5 | 1893.3 | 1829.0 | 1779.2 | 1724.5 |
| 15°    | 2428.5 | 2301.5 | 2240.4 | 2211.5 | 2123.1 | 2025.1 | 1941.5 | 1857.9 | 1804.9 | 1729.4 | 1681.1 |
| 17.5°  | 2444.6 | 2341.7 | 2301.5 | 2227.6 | 2121.5 | 2010.6 | 1914.2 | 1830.6 | 1750.2 | 1682.7 | 1620.1 |
| 20°    | 2500.8 | 2365.8 | 2301.5 | 2254.9 | 2115.1 | 2002.6 | 1896.5 | 1788.8 | 1711.7 | 1639.3 | 1568.6 |
| 22.5°  | 2536.2 | 2383.5 | 2316.0 | 2242.0 | 2108.7 | 1973.6 | 1848.3 | 1755.1 | 1660.2 | 1586.3 | 1530.1 |
| 25°    | 2526.5 | 2373.8 | 2298.3 | 2229.2 | 2066.9 | 1931.9 | 1819.4 | 1700.4 | 1612.0 | 1531.7 | 1457.7 |
| 27.5°  | 2521.7 | 2349.7 | 2269.4 | 2192.2 | 2039.5 | 1898.1 | 1756.7 | 1660.2 | 1562.2 | 1469.0 | 1414.3 |
| 30°    | 2508.8 | 2319.2 | 2226.0 | 2142.4 | 1983.3 | 1835.4 | 1714.9 | 1602.4 | 1504.3 | 1419.2 | 1346.8 |
| 32.5°  | 2465.5 | 2267.8 | 2177.8 | 2087.8 | 1922.2 | 1774.4 | 1652.2 | 1547.7 | 1449.7 | 1361.3 | 1292.2 |
| 35°    | 2407.6 | 2206.7 | 2108.7 | 2013.8 | 1848.3 | 1698.8 | 1586.3 | 1477.0 | 1385.4 | 1300.2 | 1234.3 |
| 37.5°  | 2349.7 | 2136.0 | 2044.4 | 1935.1 | 1782.4 | 1626.5 | 1510.8 | 1412.7 | 1327.6 | 1239.2 | 1166.8 |
| 40°    | 2266.2 | 2052.4 | 1951.1 | 1857.9 | 1679.5 | 1533.3 | 1427.2 | 1338.8 | 1255.2 | 1171.7 | 1110.6 |
| 42.5°  | 2152.0 | 1960.8 | 1856.3 | 1753.5 | 1586.3 | 1441.7 | 1338.8 | 1260.0 | 1181.3 | 1112.2 | 1044.7 |
| 45°    | 2036.3 | 1849.9 | 1756.7 | 1665.1 | 1483.4 | 1346.8 | 1252.0 | 1179.7 | 1113.8 | 1038.3 | 983.6  |
| 47.5°  | 1896.5 | 1739.0 | 1645.8 | 1555.8 | 1383.8 | 1247.2 | 1160.4 | 1092.9 | 1031.8 | 969.1  | 917.7  |
| 50°    | 1753.5 | 1616.8 | 1531.7 | 1438.4 | 1274.5 | 1150.8 | 1065.6 | 1009.3 | 959.5  | 900.0  | 858.2  |
| 52.5°  | 1599.2 | 1480.2 | 1407.9 | 1317.9 | 1173.3 | 1059.1 | 972.4  | 916.1  | 874.3  | 830.9  | 794.0  |
| 55°    | 1435.2 | 1348.4 | 1271.3 | 1199.0 | 1062.4 | 959.5  | 882.4  | 832.5  | 803.6  | 763.4  | 731.3  |
| 57.5°  | 1287.4 | 1203.8 | 1157.2 | 1075.2 | 956.3  | 855.0  | 794.0  | 752.2  | 718.4  | 694.3  | 668.6  |
| 60°    | 1133.1 | 1065.6 | 1014.1 | 954.7  | 850.2  | 765.0  | 700.7  | 676.6  | 641.3  | 623.6  | 612.3  |
| 62.5°  | 985.2  | 937.0  | 888.8  | 843.8  | 750.6  | 670.2  | 622.0  | 591.5  | 570.6  | 552.9  | 543.2  |
| 65°    | 845.4  | 800.4  | 766.6  | 726.5  | 649.3  | 585.0  | 540.0  | 515.9  | 495.0  | 490.2  | 478.9  |
| 67.5°  | 708.8  | 689.5  | 652.5  | 620.4  | 554.5  | 504.7  | 470.9  | 440.4  | 429.1  | 424.3  | 414.7  |
| 70°    | 593.1  | 570.6  | 541.6  | 514.3  | 464.5  | 421.1  | 390.6  | 379.3  | 363.2  | 361.6  | 350.4  |
| 72.5°  | 488.6  | 461.3  | 440.4  | 419.5  | 382.5  | 343.9  | 327.9  | 311.8  | 303.8  | 297.3  | 292.5  |
| 75°    | 387.3  | 368.0  | 353.6  | 335.9  | 303.8  | 278.0  | 255.5  | 249.1  | 244.3  | 242.7  | 239.5  |
| 77.5°  | 289.3  | 276.4  | 270.0  | 252.3  | 229.8  | 207.3  | 197.7  | 188.0  | 188.0  | 184.8  | 186.4  |
| 80°    | 205.7  | 197.7  | 189.7  | 180.0  | 160.7  | 151.1  | 143.0  | 136.6  | 133.4  | 131.8  | 133.4  |
| 82.5°  | 130.2  | 125.4  | 123.8  | 117.3  | 104.5  | 99.6   | 93.2   | 88.4   | 88.4   | 88.4   | 88.4   |
| 85°    | 72.3   | 72.3   | 72.3   | 62.7   | 57.9   | 53.0   | 49.8   | 48.2   | 48.2   | 48.2   | 49.8   |
| 87.5°  | 30.5   | 30.5   | 25.7   | 25.7   | 24.1   | 20.9   | 19.3   | 19.3   | 20.9   | 20.9   | 22.5   |
| 90°    | 9.5    | 8.5    | 8.0    | 7.3    | 5.9    | 4.5    | 3.1    | 1.7    | 3.1    | 4.5    | 5.9    |
| 92.5°  | 9.0    | 8.0    | 7.5    | 7.6    | 7.9    | 8.1    | 8.4    | 8.6    | 8.4    | 8.1    | 7.9    |
| 95°    | 12.3   | 12.2   | 12.1   | 14.3   | 18.6   | 22.9   | 27.3   | 31.6   | 27.3   | 22.9   | 18.6   |
| 97.5°  | 52.8   | 66.2   | 72.9   | 71.5   | 68.7   | 65.9   | 63.1   | 60.3   | 63.1   | 65.9   | 68.7   |
| 100°   | 78.1   | 95.7   | 104.5  | 103.4  | 101.1  | 98.8   | 96.5   | 94.2   | 96.5   | 98.8   | 101.1  |
| 102.5° | 141.2  | 139.7  | 138.9  | 138.1  | 136.6  | 135.1  | 133.6  | 132.1  | 133.6  | 135.1  | 136.6  |
| 105°   | 177.2  | 176.6  | 176.3  | 175.9  | 175.1  | 174.4  | 173.6  | 172.8  | 173.6  | 174.4  | 175.1  |
| 107.5° | 213.2  | 212.3  | 211.9  | 211.7  | 211.3  | 210.9  | 210.5  | 210.1  | 210.5  | 210.9  | 211.3  |
| 110°   | 250.9  | 250.2  | 249.8  | 249.6  | 249.2  | 248.8  | 248.4  | 248.0  | 248.4  | 248.8  | 249.2  |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 288.6 | 288.3 | 288.2  | 287.8 | 287.1 | 286.3 | 285.6 | 284.8 | 285.6 | 286.3 | 287.1 |
| 115°   | 324.2 | 324.3 | 324.4  | 324.2 | 323.8 | 323.5 | 323.1 | 322.7 | 323.1 | 323.5 | 323.8 |
| 117.5° | 359.5 | 359.1 | 358.9  | 358.6 | 358.1 | 357.6 | 357.1 | 356.6 | 357.1 | 357.6 | 358.1 |
| 120°   | 393.1 | 393.2 | 393.3  | 393.0 | 392.5 | 392.0 | 391.5 | 391.0 | 391.5 | 392.0 | 392.5 |
| 122.5° | 424.7 | 424.4 | 424.3  | 424.2 | 423.9 | 423.7 | 423.4 | 423.2 | 423.4 | 423.7 | 423.9 |
| 125°   | 455.5 | 455.8 | 455.9  | 455.6 | 455.1 | 454.6 | 454.1 | 453.6 | 454.1 | 454.6 | 455.1 |
| 127.5° | 484.4 | 483.7 | 483.4  | 483.3 | 483.2 | 483.1 | 483.0 | 482.9 | 483.0 | 483.1 | 483.2 |
| 130°   | 512.2 | 511.8 | 511.6  | 511.5 | 511.4 | 511.3 | 511.1 | 511.0 | 511.1 | 511.3 | 511.4 |
| 132.5° | 538.8 | 538.3 | 538.0  | 537.9 | 537.6 | 537.3 | 537.1 | 536.8 | 537.1 | 537.3 | 537.6 |
| 135°   | 562.9 | 562.4 | 562.1  | 562.2 | 562.3 | 562.4 | 562.6 | 562.7 | 562.6 | 562.4 | 562.3 |
| 137.5° | 586.6 | 586.0 | 585.7  | 585.7 | 585.7 | 585.7 | 585.7 | 585.7 | 585.7 | 585.7 | 585.7 |
| 140°   | 609.6 | 609.3 | 609.2  | 609.1 | 608.8 | 608.5 | 608.3 | 608.0 | 608.3 | 608.5 | 608.8 |
| 142.5° | 630.6 | 630.5 | 630.4  | 630.1 | 629.6 | 629.1 | 628.6 | 628.1 | 628.6 | 629.1 | 629.6 |
| 145°   | 650.5 | 650.5 | 650.5  | 650.3 | 649.9 | 649.6 | 649.2 | 648.8 | 649.2 | 649.6 | 649.9 |
| 147.5° | 668.1 | 668.2 | 668.3  | 667.9 | 667.2 | 666.4 | 665.7 | 664.9 | 665.7 | 666.4 | 667.2 |
| 150°   | 684.8 | 684.9 | 685.0  | 684.7 | 684.2 | 683.7 | 683.2 | 682.7 | 683.2 | 683.7 | 684.2 |
| 152.5° | 698.9 | 699.2 | 699.3  | 699.1 | 698.7 | 698.4 | 698.0 | 697.6 | 698.0 | 698.4 | 698.7 |
| 155°   | 711.4 | 711.8 | 712.0  | 711.9 | 711.8 | 711.7 | 711.5 | 711.4 | 711.5 | 711.7 | 711.8 |
| 157.5° | 722.7 | 723.2 | 723.5  | 723.5 | 723.5 | 723.5 | 723.5 | 723.5 | 723.5 | 723.5 | 723.5 |
| 160°   | 731.9 | 732.0 | 732.1  | 732.3 | 732.7 | 733.0 | 733.4 | 733.8 | 733.4 | 733.0 | 732.7 |
| 162.5° | 740.5 | 740.6 | 740.7  | 741.0 | 741.5 | 742.0 | 742.5 | 743.0 | 742.5 | 742.0 | 741.5 |
| 165°   | 747.6 | 747.6 | 747.6  | 747.9 | 748.5 | 749.2 | 749.8 | 750.4 | 749.8 | 749.2 | 748.5 |
| 167.5° | 753.7 | 753.8 | 753.9  | 754.2 | 754.9 | 755.5 | 756.2 | 756.8 | 756.2 | 755.5 | 754.9 |
| 170°   | 758.7 | 758.6 | 758.5  | 758.9 | 759.6 | 760.4 | 761.1 | 761.9 | 761.1 | 760.4 | 759.6 |
| 172.5° | 762.1 | 762.0 | 761.9  | 762.3 | 763.1 | 763.8 | 764.6 | 765.4 | 764.6 | 763.8 | 763.1 |
| 175°   | 764.4 | 764.3 | 764.2  | 764.6 | 765.4 | 766.1 | 766.9 | 767.7 | 766.9 | 766.1 | 765.4 |
| 177.5° | 765.8 | 765.5 | 765.4  | 765.8 | 766.7 | 767.6 | 768.5 | 769.4 | 768.5 | 767.6 | 766.7 |
| 180°   | 767.7 | 767.7 | 767.7  | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 |
| 2.5°   | 1911.0 | 1904.5 | 1907.8 | 1891.7 | 1877.2 | 1856.3 | 1838.6 | 1835.4 | 1832.2 | 1841.9 | 1835.4 |
| 5°     | 1856.3 | 1848.3 | 1840.2 | 1821.0 | 1792.0 | 1774.4 | 1748.6 | 1747.0 | 1737.4 | 1722.9 | 1726.1 |
| 7.5°   | 1796.9 | 1792.0 | 1780.8 | 1750.2 | 1724.5 | 1694.0 | 1673.1 | 1655.4 | 1647.4 | 1634.5 | 1629.7 |
| 10°    | 1748.6 | 1731.0 | 1721.3 | 1687.6 | 1657.0 | 1624.9 | 1597.6 | 1584.7 | 1570.2 | 1559.0 | 1551.0 |
| 12.5°  | 1682.7 | 1677.9 | 1650.6 | 1623.3 | 1597.6 | 1560.6 | 1539.7 | 1502.7 | 1483.4 | 1493.1 | 1489.9 |
| 15°    | 1639.3 | 1616.8 | 1610.4 | 1571.8 | 1528.5 | 1504.3 | 1465.8 | 1441.7 | 1433.6 | 1419.2 | 1401.5 |
| 17.5°  | 1581.5 | 1567.0 | 1544.5 | 1509.2 | 1459.3 | 1425.6 | 1398.3 | 1375.8 | 1366.1 | 1346.8 | 1332.4 |
| 20°    | 1526.8 | 1502.7 | 1485.1 | 1452.9 | 1404.7 | 1361.3 | 1327.6 | 1313.1 | 1289.0 | 1272.9 | 1264.9 |
| 22.5°  | 1477.0 | 1459.3 | 1433.6 | 1385.4 | 1343.6 | 1301.8 | 1261.7 | 1240.8 | 1218.3 | 1208.6 | 1195.8 |
| 25°    | 1415.9 | 1387.0 | 1369.3 | 1316.3 | 1271.3 | 1237.5 | 1200.6 | 1173.3 | 1160.4 | 1144.3 | 1141.1 |
| 27.5°  | 1356.5 | 1329.2 | 1308.3 | 1261.7 | 1207.0 | 1163.6 | 1141.1 | 1121.8 | 1099.3 | 1099.3 | 1091.3 |
| 30°    | 1297.0 | 1277.7 | 1245.6 | 1200.6 | 1149.2 | 1107.4 | 1081.6 | 1064.0 | 1055.9 | 1049.5 | 1047.9 |
| 32.5°  | 1237.5 | 1211.8 | 1192.5 | 1131.5 | 1092.9 | 1054.3 | 1035.0 | 1020.6 | 1010.9 | 1009.3 | 1010.9 |
| 35°    | 1176.5 | 1147.5 | 1128.3 | 1073.6 | 1035.0 | 999.7  | 991.6  | 978.8  | 974.0  | 972.4  | 980.4  |
| 37.5°  | 1112.2 | 1089.7 | 1065.6 | 1020.6 | 977.2  | 956.3  | 940.2  | 935.4  | 933.8  | 943.4  | 946.6  |
| 40°    | 1052.7 | 1033.4 | 1010.9 | 962.7  | 930.6  | 908.1  | 900.0  | 895.2  | 901.6  | 911.3  | 916.1  |
| 42.5°  | 996.5  | 969.1  | 951.5  | 908.1  | 879.1  | 866.3  | 856.6  | 856.6  | 863.1  | 874.3  | 882.4  |
| 45°    | 937.0  | 916.1  | 898.4  | 859.9  | 834.1  | 819.7  | 818.1  | 819.7  | 827.7  | 835.7  | 845.4  |
| 47.5°  | 879.1  | 858.2  | 839.0  | 806.8  | 784.3  | 776.3  | 774.7  | 776.3  | 789.1  | 800.4  | 811.6  |
| 50°    | 826.1  | 803.6  | 785.9  | 755.4  | 737.7  | 728.1  | 729.7  | 737.7  | 747.3  | 763.4  | 777.9  |
| 52.5°  | 763.4  | 747.3  | 731.3  | 704.0  | 687.9  | 681.5  | 686.3  | 692.7  | 710.4  | 721.6  | 739.3  |
| 55°    | 702.3  | 687.9  | 675.0  | 654.1  | 641.3  | 636.5  | 639.7  | 649.3  | 663.8  | 683.1  | 704.0  |
| 57.5°  | 646.1  | 630.0  | 617.2  | 602.7  | 588.2  | 589.8  | 591.5  | 604.3  | 622.0  | 639.7  | 663.8  |
| 60°    | 583.4  | 573.8  | 562.5  | 544.8  | 538.4  | 538.4  | 543.2  | 557.7  | 573.8  | 602.7  | 623.6  |
| 62.5°  | 527.2  | 514.3  | 506.3  | 495.0  | 485.4  | 487.0  | 498.2  | 511.1  | 530.4  | 554.5  | 581.8  |
| 65°    | 469.3  | 454.8  | 448.4  | 438.8  | 435.6  | 437.2  | 445.2  | 464.5  | 485.4  | 506.3  | 532.0  |
| 67.5°  | 405.0  | 400.2  | 393.8  | 384.1  | 387.3  | 388.9  | 397.0  | 413.1  | 435.6  | 456.4  | 485.4  |
| 70°    | 350.4  | 340.7  | 339.1  | 331.1  | 331.1  | 335.9  | 352.0  | 363.2  | 384.1  | 406.6  | 437.2  |
| 72.5°  | 292.5  | 284.5  | 284.5  | 278.0  | 282.9  | 287.7  | 295.7  | 311.8  | 331.1  | 353.6  | 379.3  |
| 75°    | 233.0  | 229.8  | 233.0  | 229.8  | 229.8  | 237.9  | 247.5  | 260.4  | 281.3  | 305.4  | 326.3  |
| 77.5°  | 180.0  | 180.0  | 178.4  | 183.2  | 183.2  | 188.0  | 200.9  | 213.8  | 229.8  | 249.1  | 271.6  |
| 80°    | 131.8  | 131.8  | 131.8  | 136.6  | 141.4  | 141.4  | 149.5  | 165.5  | 180.0  | 192.9  | 213.8  |
| 82.5°  | 90.0   | 90.0   | 90.0   | 93.2   | 99.6   | 99.6   | 109.3  | 118.9  | 135.0  | 146.3  | 155.9  |
| 85°    | 54.6   | 54.6   | 53.0   | 56.3   | 57.9   | 62.7   | 70.7   | 77.1   | 85.2   | 94.8   | 104.5  |
| 87.5°  | 24.1   | 24.1   | 25.7   | 27.3   | 28.9   | 32.1   | 35.4   | 38.6   | 46.6   | 49.8   | 54.6   |
| 90°    | 7.3    | 8.0    | 8.5    | 9.5    | 10.6   | 11.6   | 12.6   | 13.4   | 14.2   | 14.9   | 15.7   |
| 92.5°  | 7.6    | 7.5    | 8.0    | 9.0    | 10.1   | 11.1   | 12.1   | 12.9   | 13.6   | 14.4   | 15.1   |
| 95°    | 14.3   | 12.1   | 12.2   | 12.3   | 12.4   | 12.5   | 12.6   | 13.4   | 14.2   | 14.9   | 15.7   |
| 97.5°  | 71.5   | 72.9   | 66.2   | 52.8   | 39.4   | 26.0   | 12.6   | 13.2   | 13.9   | 14.5   | 15.2   |
| 100°   | 103.4  | 104.5  | 95.7   | 78.1   | 60.5   | 42.9   | 25.3   | 23.1   | 20.9   | 18.8   | 16.6   |
| 102.5° | 138.1  | 138.9  | 139.7  | 141.2  | 142.7  | 144.3  | 145.8  | 117.1  | 88.4   | 59.7   | 31.0   |
| 105°   | 175.9  | 176.3  | 176.6  | 177.2  | 177.9  | 178.5  | 179.1  | 180.3  | 181.4  | 182.6  | 183.7  |
| 107.5° | 211.7  | 211.9  | 212.3  | 213.2  | 214.1  | 215.0  | 215.9  | 216.5  | 217.2  | 217.8  | 218.5  |
| 110°   | 249.6  | 249.8  | 250.2  | 250.9  | 251.7  | 252.4  | 253.2  | 253.5  | 253.7  | 254.0  | 254.3  |

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**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 287.8 | 288.2  | 288.3 | 288.6 | 288.9 | 289.1 | 289.4 | 289.3 | 289.1 | 289.0 | 288.9 |
| 115°   | 324.2 | 324.4  | 324.3 | 324.2 | 324.1 | 323.9 | 323.8 | 324.1 | 324.3 | 324.6 | 324.9 |
| 117.5° | 358.6 | 358.9  | 359.1 | 359.5 | 359.8 | 360.2 | 360.6 | 360.5 | 360.3 | 360.2 | 360.1 |
| 120°   | 393.0 | 393.3  | 393.2 | 393.1 | 393.0 | 392.8 | 392.7 | 393.0 | 393.2 | 393.5 | 393.8 |
| 122.5° | 424.2 | 424.3  | 424.4 | 424.7 | 425.0 | 425.2 | 425.5 | 425.6 | 425.7 | 425.8 | 425.9 |
| 125°   | 455.6 | 455.9  | 455.8 | 455.5 | 455.2 | 455.0 | 454.7 | 455.1 | 455.5 | 455.9 | 456.3 |
| 127.5° | 483.3 | 483.4  | 483.7 | 484.4 | 485.0 | 485.7 | 486.3 | 486.2 | 486.0 | 485.9 | 485.8 |
| 130°   | 511.5 | 511.6  | 511.8 | 512.2 | 512.5 | 512.9 | 513.3 | 513.4 | 513.6 | 513.7 | 513.8 |
| 132.5° | 537.9 | 538.0  | 538.3 | 538.8 | 539.3 | 539.8 | 540.3 | 540.4 | 540.6 | 540.7 | 540.8 |
| 135°   | 562.2 | 562.1  | 562.4 | 562.9 | 563.4 | 563.9 | 564.4 | 564.7 | 564.9 | 565.2 | 565.5 |
| 137.5° | 585.7 | 585.7  | 586.0 | 586.6 | 587.3 | 587.9 | 588.5 | 588.8 | 589.0 | 589.3 | 589.6 |
| 140°   | 609.1 | 609.2  | 609.3 | 609.6 | 609.8 | 610.1 | 610.3 | 610.7 | 611.1 | 611.5 | 611.9 |
| 142.5° | 630.1 | 630.4  | 630.5 | 630.6 | 630.7 | 630.9 | 631.0 | 631.3 | 631.5 | 631.8 | 632.1 |
| 145°   | 650.3 | 650.5  | 650.5 | 650.5 | 650.5 | 650.5 | 650.5 | 650.6 | 650.8 | 650.9 | 651.0 |
| 147.5° | 667.9 | 668.3  | 668.2 | 668.1 | 668.0 | 667.9 | 667.8 | 667.9 | 668.0 | 668.1 | 668.2 |
| 150°   | 684.7 | 685.0  | 684.9 | 684.8 | 684.7 | 684.5 | 684.4 | 684.4 | 684.4 | 684.4 | 684.4 |
| 152.5° | 699.1 | 699.3  | 699.2 | 698.9 | 698.7 | 698.4 | 698.2 | 698.4 | 698.7 | 698.9 | 699.2 |
| 155°   | 711.9 | 712.0  | 711.8 | 711.4 | 711.0 | 710.6 | 710.2 | 710.7 | 711.2 | 711.7 | 712.2 |
| 157.5° | 723.5 | 723.5  | 723.2 | 722.7 | 722.2 | 721.7 | 721.2 | 721.8 | 722.4 | 723.1 | 723.7 |
| 160°   | 732.3 | 732.1  | 732.0 | 731.9 | 731.8 | 731.6 | 731.5 | 732.3 | 733.0 | 733.8 | 734.5 |
| 162.5° | 741.0 | 740.7  | 740.6 | 740.5 | 740.4 | 740.2 | 740.1 | 740.9 | 741.6 | 742.4 | 743.1 |
| 165°   | 747.9 | 747.6  | 747.6 | 747.6 | 747.6 | 747.6 | 747.6 | 748.6 | 749.6 | 750.7 | 751.7 |
| 167.5° | 754.2 | 753.9  | 753.8 | 753.7 | 753.6 | 753.4 | 753.3 | 754.5 | 755.6 | 756.8 | 757.9 |
| 170°   | 758.9 | 758.5  | 758.6 | 758.7 | 758.8 | 758.9 | 759.0 | 760.0 | 761.0 | 762.1 | 763.1 |
| 172.5° | 762.3 | 761.9  | 762.0 | 762.1 | 762.2 | 762.4 | 762.5 | 763.5 | 764.5 | 765.6 | 766.6 |
| 175°   | 764.6 | 764.2  | 764.3 | 764.4 | 764.5 | 764.7 | 764.8 | 766.0 | 767.1 | 768.3 | 769.4 |
| 177.5° | 765.8 | 765.4  | 765.5 | 765.8 | 766.0 | 766.3 | 766.5 | 767.5 | 768.5 | 769.6 | 770.6 |
| 180°   | 767.7 | 767.7  | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 |
| 2.5°   | 1830.6 | 1829.0 | 1821.0 | 1824.2 | 1814.5 | 1817.7 | 1822.6 | 1824.2 | 1830.6 | 1825.8 | 1824.2 |
| 5°     | 1718.1 | 1714.9 | 1710.1 | 1705.2 | 1703.6 | 1710.1 | 1698.8 | 1702.0 | 1705.2 | 1710.1 | 1716.5 |
| 7.5°   | 1626.5 | 1624.9 | 1620.1 | 1612.0 | 1608.8 | 1605.6 | 1607.2 | 1618.5 | 1616.8 | 1615.2 | 1626.5 |
| 10°    | 1542.9 | 1544.5 | 1534.9 | 1533.3 | 1523.6 | 1522.0 | 1523.6 | 1526.8 | 1531.7 | 1538.1 | 1539.7 |
| 12.5°  | 1456.1 | 1477.0 | 1459.3 | 1452.9 | 1438.4 | 1446.5 | 1449.7 | 1435.2 | 1443.3 | 1448.1 | 1472.2 |
| 15°    | 1401.5 | 1391.8 | 1380.6 | 1380.6 | 1374.2 | 1370.9 | 1362.9 | 1374.2 | 1380.6 | 1390.2 | 1387.0 |
| 17.5°  | 1325.9 | 1309.9 | 1303.4 | 1297.0 | 1298.6 | 1305.0 | 1287.4 | 1313.1 | 1313.1 | 1317.9 | 1309.9 |
| 20°    | 1260.0 | 1247.2 | 1239.2 | 1235.9 | 1231.1 | 1227.9 | 1226.3 | 1232.7 | 1242.4 | 1245.6 | 1253.6 |
| 22.5°  | 1190.9 | 1190.9 | 1178.1 | 1173.3 | 1170.0 | 1165.2 | 1173.3 | 1168.4 | 1174.9 | 1181.3 | 1194.2 |
| 25°    | 1133.1 | 1133.1 | 1128.3 | 1121.8 | 1117.0 | 1113.8 | 1118.6 | 1117.0 | 1121.8 | 1129.9 | 1133.1 |
| 27.5°  | 1086.5 | 1081.6 | 1080.0 | 1078.4 | 1076.8 | 1078.4 | 1076.8 | 1081.6 | 1086.5 | 1088.1 | 1084.9 |
| 30°    | 1046.3 | 1041.5 | 1043.1 | 1043.1 | 1044.7 | 1043.1 | 1041.5 | 1046.3 | 1047.9 | 1044.7 | 1046.3 |
| 32.5°  | 1009.3 | 1009.3 | 1012.5 | 1014.1 | 1014.1 | 1015.8 | 1017.4 | 1014.1 | 1015.8 | 1010.9 | 1012.5 |
| 35°    | 978.8  | 982.0  | 985.2  | 986.8  | 988.4  | 986.8  | 990.0  | 988.4  | 985.2  | 982.0  | 980.4  |
| 37.5°  | 948.3  | 951.5  | 957.9  | 959.5  | 964.3  | 965.9  | 962.7  | 962.7  | 961.1  | 954.7  | 951.5  |
| 40°    | 916.1  | 919.3  | 927.4  | 932.2  | 935.4  | 940.2  | 937.0  | 937.0  | 930.6  | 924.1  | 919.3  |
| 42.5°  | 885.6  | 892.0  | 900.0  | 904.9  | 911.3  | 911.3  | 911.3  | 908.1  | 900.0  | 893.6  | 888.8  |
| 45°    | 855.0  | 856.6  | 867.9  | 875.9  | 882.4  | 882.4  | 882.4  | 877.5  | 872.7  | 859.9  | 853.4  |
| 47.5°  | 821.3  | 826.1  | 839.0  | 847.0  | 853.4  | 855.0  | 855.0  | 850.2  | 840.6  | 829.3  | 821.3  |
| 50°    | 784.3  | 792.4  | 806.8  | 818.1  | 826.1  | 829.3  | 824.5  | 821.3  | 810.0  | 797.2  | 787.5  |
| 52.5°  | 749.0  | 758.6  | 776.3  | 785.9  | 797.2  | 798.8  | 797.2  | 792.4  | 779.5  | 761.8  | 753.8  |
| 55°    | 713.6  | 721.6  | 740.9  | 757.0  | 766.6  | 769.9  | 766.6  | 758.6  | 742.5  | 724.8  | 716.8  |
| 57.5°  | 675.0  | 686.3  | 707.2  | 723.2  | 734.5  | 736.1  | 732.9  | 724.8  | 712.0  | 689.5  | 678.2  |
| 60°    | 634.8  | 649.3  | 670.2  | 686.3  | 700.7  | 702.3  | 699.1  | 687.9  | 671.8  | 649.3  | 639.7  |
| 62.5°  | 594.7  | 605.9  | 630.0  | 647.7  | 659.0  | 667.0  | 660.6  | 649.3  | 633.2  | 610.7  | 596.3  |
| 65°    | 548.1  | 564.1  | 585.0  | 601.1  | 614.0  | 615.6  | 612.3  | 602.7  | 585.0  | 560.9  | 549.7  |
| 67.5°  | 503.1  | 514.3  | 535.2  | 556.1  | 560.9  | 565.7  | 560.9  | 551.3  | 536.8  | 515.9  | 499.8  |
| 70°    | 448.4  | 458.1  | 483.8  | 498.2  | 504.7  | 509.5  | 506.3  | 496.6  | 483.8  | 464.5  | 451.6  |
| 72.5°  | 393.8  | 401.8  | 425.9  | 437.2  | 450.0  | 448.4  | 446.8  | 440.4  | 422.7  | 409.8  | 401.8  |
| 75°    | 335.9  | 345.5  | 361.6  | 376.1  | 380.9  | 380.9  | 380.9  | 376.1  | 364.8  | 343.9  | 335.9  |
| 77.5°  | 282.9  | 287.7  | 300.5  | 308.6  | 313.4  | 315.0  | 313.4  | 305.4  | 298.9  | 284.5  | 279.7  |
| 80°    | 217.0  | 229.8  | 239.5  | 241.1  | 247.5  | 247.5  | 247.5  | 244.3  | 237.9  | 223.4  | 221.8  |
| 82.5°  | 163.9  | 167.1  | 176.8  | 181.6  | 184.8  | 183.2  | 183.2  | 176.8  | 175.2  | 167.1  | 163.9  |
| 85°    | 110.9  | 115.7  | 114.1  | 120.5  | 122.1  | 118.9  | 118.9  | 122.1  | 114.1  | 115.7  | 110.9  |
| 87.5°  | 61.1   | 61.1   | 64.3   | 62.7   | 69.1   | 69.1   | 65.9   | 67.5   | 64.3   | 62.7   | 61.1   |
| 90°    | 16.1   | 16.2   | 16.5   | 16.7   | 17.0   | 17.2   | 17.0   | 16.7   | 16.5   | 16.2   | 16.1   |
| 92.5°  | 15.5   | 15.5   | 15.5   | 15.5   | 15.5   | 15.5   | 15.5   | 15.5   | 15.5   | 15.5   | 15.5   |
| 95°    | 16.1   | 16.2   | 16.3   | 16.4   | 16.6   | 16.7   | 16.6   | 16.4   | 16.3   | 16.2   | 16.1   |
| 97.5°  | 15.5   | 15.6   | 15.7   | 15.8   | 16.0   | 16.1   | 16.0   | 15.8   | 15.7   | 15.6   | 15.5   |
| 100°   | 15.5   | 15.6   | 15.7   | 15.8   | 16.0   | 16.1   | 16.0   | 15.8   | 15.7   | 15.6   | 15.5   |
| 102.5° | 16.7   | 16.7   | 16.7   | 16.7   | 16.7   | 16.7   | 16.7   | 16.7   | 16.7   | 16.7   | 16.7   |
| 105°   | 184.3  | 182.0  | 177.4  | 172.8  | 168.2  | 163.6  | 168.2  | 172.8  | 177.4  | 182.0  | 184.3  |
| 107.5° | 218.8  | 219.1  | 219.6  | 220.1  | 220.6  | 221.1  | 220.6  | 220.1  | 219.6  | 219.1  | 218.8  |
| 110°   | 254.4  | 254.6  | 255.0  | 255.3  | 255.7  | 256.1  | 255.7  | 255.3  | 255.0  | 254.6  | 254.4  |

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CATALOG NUMBER: SA4XXDIP-B1195D590UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 288.8  | 289.1 | 289.6 | 290.1 | 290.6 | 291.1 | 290.6 | 290.1 | 289.6 | 289.1 | 288.8  |
| 115°   | 325.0  | 325.0 | 325.0 | 325.0 | 325.0 | 325.0 | 325.0 | 325.0 | 325.0 | 325.0 | 325.0  |
| 117.5° | 360.0  | 360.0 | 360.0 | 360.0 | 360.0 | 360.0 | 360.0 | 360.0 | 360.0 | 360.0 | 360.0  |
| 120°   | 393.9  | 393.8 | 393.5 | 393.2 | 393.0 | 392.7 | 393.0 | 393.2 | 393.5 | 393.8 | 393.9  |
| 122.5° | 426.0  | 425.9 | 425.6 | 425.4 | 425.1 | 424.9 | 425.1 | 425.4 | 425.6 | 425.9 | 426.0  |
| 125°   | 456.5  | 456.6 | 456.7 | 456.8 | 456.9 | 457.0 | 456.9 | 456.8 | 456.7 | 456.6 | 456.5  |
| 127.5° | 485.7  | 485.6 | 485.5 | 485.4 | 485.3 | 485.2 | 485.3 | 485.4 | 485.5 | 485.6 | 485.7  |
| 130°   | 513.9  | 513.9 | 513.9 | 513.9 | 513.9 | 513.9 | 513.9 | 513.9 | 513.9 | 513.9 | 513.9  |
| 132.5° | 540.9  | 540.8 | 540.7 | 540.6 | 540.4 | 540.3 | 540.4 | 540.6 | 540.7 | 540.8 | 540.9  |
| 135°   | 565.6  | 565.7 | 566.0 | 566.2 | 566.5 | 566.7 | 566.5 | 566.2 | 566.0 | 565.7 | 565.6  |
| 137.5° | 589.7  | 589.6 | 589.5 | 589.4 | 589.2 | 589.1 | 589.2 | 589.4 | 589.5 | 589.6 | 589.7  |
| 140°   | 612.1  | 612.2 | 612.3 | 612.4 | 612.5 | 612.6 | 612.5 | 612.4 | 612.3 | 612.2 | 612.1  |
| 142.5° | 632.2  | 632.2 | 632.2 | 632.2 | 632.2 | 632.2 | 632.2 | 632.2 | 632.2 | 632.2 | 632.2  |
| 145°   | 651.1  | 651.2 | 651.5 | 651.8 | 652.0 | 652.3 | 652.0 | 651.8 | 651.5 | 651.2 | 651.1  |
| 147.5° | 668.3  | 668.4 | 668.5 | 668.6 | 668.8 | 668.9 | 668.8 | 668.6 | 668.5 | 668.4 | 668.3  |
| 150°   | 684.4  | 684.5 | 684.6 | 684.7 | 684.9 | 685.0 | 684.9 | 684.7 | 684.6 | 684.5 | 684.4  |
| 152.5° | 699.3  | 699.2 | 699.1 | 699.0 | 698.9 | 698.8 | 698.9 | 699.0 | 699.1 | 699.2 | 699.3  |
| 155°   | 712.5  | 712.3 | 711.9 | 711.6 | 711.2 | 710.8 | 711.2 | 711.6 | 711.9 | 712.3 | 712.5  |
| 157.5° | 724.0  | 723.7 | 723.1 | 722.4 | 721.8 | 721.2 | 721.8 | 722.4 | 723.1 | 723.7 | 724.0  |
| 160°   | 734.9  | 734.5 | 733.8 | 733.0 | 732.3 | 731.5 | 732.3 | 733.0 | 733.8 | 734.5 | 734.9  |
| 162.5° | 743.5  | 743.1 | 742.2 | 741.3 | 740.4 | 739.5 | 740.4 | 741.3 | 742.2 | 743.1 | 743.5  |
| 165°   | 752.2  | 751.6 | 750.5 | 749.3 | 748.2 | 747.0 | 748.2 | 749.3 | 750.5 | 751.6 | 752.2  |
| 167.5° | 758.5  | 757.9 | 756.6 | 755.3 | 754.0 | 752.7 | 754.0 | 755.3 | 756.6 | 757.9 | 758.5  |
| 170°   | 763.6  | 763.0 | 761.7 | 760.4 | 759.2 | 757.9 | 759.2 | 760.4 | 761.7 | 763.0 | 763.6  |
| 172.5° | 767.1  | 766.4 | 765.0 | 763.6 | 762.2 | 760.8 | 762.2 | 763.6 | 765.0 | 766.4 | 767.1  |
| 175°   | 770.0  | 769.2 | 767.7 | 766.2 | 764.6 | 763.1 | 764.6 | 766.2 | 767.7 | 769.2 | 770.0  |
| 177.5° | 771.1  | 770.3 | 768.8 | 767.3 | 765.7 | 764.2 | 765.7 | 767.3 | 768.8 | 770.3 | 771.1  |
| 180°   | 767.7  | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7  |

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**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 | 1939.9 |
| 2.5°   | 1824.2 | 1833.8 | 1824.2 | 1830.6 | 1833.8 | 1841.9 | 1845.1 | 1859.5 | 1864.4 | 1875.6 | 1875.6 |
| 5°     | 1714.9 | 1719.7 | 1721.3 | 1727.7 | 1734.2 | 1750.2 | 1761.5 | 1782.4 | 1806.5 | 1809.7 | 1824.2 |
| 7.5°   | 1626.5 | 1634.5 | 1647.4 | 1642.6 | 1653.8 | 1677.9 | 1692.4 | 1718.1 | 1742.2 | 1755.1 | 1772.7 |
| 10°    | 1547.7 | 1557.4 | 1562.2 | 1567.0 | 1587.9 | 1608.8 | 1631.3 | 1649.0 | 1681.1 | 1700.4 | 1714.9 |
| 12.5°  | 1483.4 | 1475.4 | 1485.1 | 1502.7 | 1526.8 | 1539.7 | 1570.2 | 1597.6 | 1621.7 | 1642.6 | 1655.4 |
| 15°    | 1399.9 | 1406.3 | 1415.9 | 1446.5 | 1452.9 | 1485.1 | 1496.3 | 1526.8 | 1571.8 | 1591.1 | 1607.2 |
| 17.5°  | 1319.5 | 1340.4 | 1359.7 | 1370.9 | 1390.2 | 1415.9 | 1448.1 | 1481.8 | 1510.8 | 1533.3 | 1552.6 |
| 20°    | 1255.2 | 1276.1 | 1287.4 | 1295.4 | 1314.7 | 1350.1 | 1380.6 | 1422.4 | 1459.3 | 1477.0 | 1502.7 |
| 22.5°  | 1203.8 | 1203.8 | 1219.9 | 1244.0 | 1255.2 | 1289.0 | 1314.7 | 1359.7 | 1399.9 | 1422.4 | 1446.5 |
| 25°    | 1139.5 | 1149.2 | 1162.0 | 1182.9 | 1199.0 | 1226.3 | 1263.3 | 1301.8 | 1345.2 | 1364.5 | 1395.1 |
| 27.5°  | 1086.5 | 1097.7 | 1115.4 | 1120.2 | 1136.3 | 1160.4 | 1199.0 | 1240.8 | 1285.8 | 1306.7 | 1332.4 |
| 30°    | 1046.3 | 1052.7 | 1059.1 | 1068.8 | 1083.3 | 1104.1 | 1136.3 | 1173.3 | 1227.9 | 1244.0 | 1276.1 |
| 32.5°  | 1010.9 | 1014.1 | 1017.4 | 1025.4 | 1033.4 | 1054.3 | 1080.0 | 1120.2 | 1165.2 | 1189.3 | 1218.3 |
| 35°    | 978.8  | 975.6  | 977.2  | 982.0  | 990.0  | 998.1  | 1025.4 | 1059.1 | 1100.9 | 1129.9 | 1152.4 |
| 37.5°  | 948.3  | 941.8  | 940.2  | 940.2  | 943.4  | 953.1  | 974.0  | 1002.9 | 1047.9 | 1072.0 | 1094.5 |
| 40°    | 914.5  | 908.1  | 904.9  | 903.2  | 901.6  | 908.1  | 924.1  | 953.1  | 988.4  | 1010.9 | 1036.6 |
| 42.5°  | 882.4  | 875.9  | 867.9  | 866.3  | 863.1  | 866.3  | 877.5  | 904.9  | 935.4  | 957.9  | 978.8  |
| 45°    | 850.2  | 839.0  | 829.3  | 822.9  | 824.5  | 819.7  | 827.7  | 848.6  | 884.0  | 898.4  | 919.3  |
| 47.5°  | 814.9  | 802.0  | 789.1  | 782.7  | 776.3  | 779.5  | 782.7  | 800.4  | 830.9  | 845.4  | 866.3  |
| 50°    | 781.1  | 763.4  | 749.0  | 740.9  | 736.1  | 732.9  | 736.1  | 753.8  | 776.3  | 789.1  | 806.8  |
| 52.5°  | 742.5  | 724.8  | 710.4  | 697.5  | 691.1  | 686.3  | 687.9  | 704.0  | 724.8  | 737.7  | 755.4  |
| 55°    | 707.2  | 684.7  | 665.4  | 649.3  | 644.5  | 642.9  | 641.3  | 652.5  | 670.2  | 683.1  | 697.5  |
| 57.5°  | 667.0  | 644.5  | 623.6  | 604.3  | 594.7  | 593.1  | 593.1  | 596.3  | 618.8  | 628.4  | 636.5  |
| 60°    | 626.8  | 602.7  | 580.2  | 562.5  | 548.1  | 543.2  | 541.6  | 548.1  | 559.3  | 569.0  | 580.2  |
| 62.5°  | 581.8  | 557.7  | 530.4  | 514.3  | 499.8  | 487.0  | 491.8  | 493.4  | 509.5  | 514.3  | 523.9  |
| 65°    | 538.4  | 511.1  | 488.6  | 462.9  | 446.8  | 438.8  | 435.6  | 438.8  | 451.6  | 453.2  | 459.7  |
| 67.5°  | 488.6  | 462.9  | 435.6  | 417.9  | 403.4  | 388.9  | 385.7  | 385.7  | 392.2  | 397.0  | 405.0  |
| 70°    | 440.4  | 414.7  | 384.1  | 364.8  | 350.4  | 337.5  | 332.7  | 331.1  | 335.9  | 339.1  | 347.2  |
| 72.5°  | 384.1  | 358.4  | 335.9  | 315.0  | 297.3  | 287.7  | 282.9  | 279.7  | 284.5  | 287.7  | 289.3  |
| 75°    | 324.7  | 303.8  | 281.3  | 260.4  | 249.1  | 239.5  | 233.0  | 228.2  | 231.4  | 231.4  | 231.4  |
| 77.5°  | 268.4  | 247.5  | 229.8  | 215.4  | 200.9  | 189.7  | 184.8  | 180.0  | 181.6  | 181.6  | 184.8  |
| 80°    | 208.9  | 194.5  | 180.0  | 167.1  | 154.3  | 144.6  | 141.4  | 136.6  | 133.4  | 131.8  | 131.8  |
| 82.5°  | 154.3  | 143.0  | 130.2  | 118.9  | 112.5  | 102.9  | 99.6   | 93.2   | 93.2   | 91.6   | 91.6   |
| 85°    | 102.9  | 96.4   | 83.6   | 75.5   | 70.7   | 65.9   | 62.7   | 59.5   | 54.6   | 54.6   | 53.0   |
| 87.5°  | 54.6   | 51.4   | 48.2   | 38.6   | 38.6   | 33.8   | 32.1   | 30.5   | 25.7   | 27.3   | 27.3   |
| 90°    | 15.7   | 14.9   | 14.2   | 13.4   | 12.6   | 11.6   | 10.6   | 9.5    | 8.5    | 8.0    | 7.3    |
| 92.5°  | 15.1   | 14.4   | 13.6   | 12.9   | 12.1   | 11.1   | 10.1   | 9.0    | 8.0    | 7.5    | 7.6    |
| 95°    | 15.7   | 14.9   | 14.2   | 13.4   | 12.6   | 12.5   | 12.4   | 12.3   | 12.2   | 12.1   | 14.3   |
| 97.5°  | 15.2   | 14.5   | 13.9   | 13.2   | 12.6   | 26.0   | 39.4   | 52.8   | 66.2   | 72.9   | 71.5   |
| 100°   | 16.6   | 18.8   | 20.9   | 23.1   | 25.3   | 42.9   | 60.5   | 78.1   | 95.7   | 104.5  | 103.4  |
| 102.5° | 31.0   | 59.7   | 88.4   | 117.1  | 145.8  | 144.3  | 142.7  | 141.2  | 139.7  | 138.9  | 138.1  |
| 105°   | 183.7  | 182.6  | 181.4  | 180.3  | 179.1  | 178.5  | 177.9  | 177.2  | 176.6  | 176.3  | 175.9  |
| 107.5° | 218.5  | 217.8  | 217.2  | 216.5  | 215.9  | 215.0  | 214.1  | 213.2  | 212.3  | 211.9  | 211.7  |
| 110°   | 254.3  | 254.0  | 253.7  | 253.5  | 253.2  | 252.4  | 251.7  | 250.9  | 250.2  | 249.8  | 249.6  |



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**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 288.9 | 289.0 | 289.1 | 289.3 | 289.4 | 289.1 | 288.9 | 288.6 | 288.3 | 288.2  | 287.8 |
| 115°   | 324.9 | 324.6 | 324.3 | 324.1 | 323.8 | 323.9 | 324.1 | 324.2 | 324.3 | 324.4  | 324.2 |
| 117.5° | 360.1 | 360.2 | 360.3 | 360.5 | 360.6 | 360.2 | 359.8 | 359.5 | 359.1 | 358.9  | 358.6 |
| 120°   | 393.8 | 393.5 | 393.2 | 393.0 | 392.7 | 392.8 | 393.0 | 393.1 | 393.2 | 393.3  | 393.0 |
| 122.5° | 425.9 | 425.8 | 425.7 | 425.6 | 425.5 | 425.2 | 425.0 | 424.7 | 424.4 | 424.3  | 424.2 |
| 125°   | 456.3 | 455.9 | 455.5 | 455.1 | 454.7 | 455.0 | 455.2 | 455.5 | 455.8 | 455.9  | 455.6 |
| 127.5° | 485.8 | 485.9 | 486.0 | 486.2 | 486.3 | 485.7 | 485.0 | 484.4 | 483.7 | 483.4  | 483.3 |
| 130°   | 513.8 | 513.7 | 513.6 | 513.4 | 513.3 | 512.9 | 512.5 | 512.2 | 511.8 | 511.6  | 511.5 |
| 132.5° | 540.8 | 540.7 | 540.6 | 540.4 | 540.3 | 539.8 | 539.3 | 538.8 | 538.3 | 538.0  | 537.9 |
| 135°   | 565.5 | 565.2 | 564.9 | 564.7 | 564.4 | 563.9 | 563.4 | 562.9 | 562.4 | 562.1  | 562.2 |
| 137.5° | 589.6 | 589.3 | 589.0 | 588.8 | 588.5 | 587.9 | 587.3 | 586.6 | 586.0 | 585.7  | 585.7 |
| 140°   | 611.9 | 611.5 | 611.1 | 610.7 | 610.3 | 610.1 | 609.8 | 609.6 | 609.3 | 609.2  | 609.1 |
| 142.5° | 632.1 | 631.8 | 631.5 | 631.3 | 631.0 | 630.9 | 630.7 | 630.6 | 630.5 | 630.4  | 630.1 |
| 145°   | 651.0 | 650.9 | 650.8 | 650.6 | 650.5 | 650.5 | 650.5 | 650.5 | 650.5 | 650.5  | 650.3 |
| 147.5° | 668.2 | 668.1 | 668.0 | 667.9 | 667.8 | 667.9 | 668.0 | 668.1 | 668.2 | 668.3  | 667.9 |
| 150°   | 684.4 | 684.4 | 684.4 | 684.4 | 684.4 | 684.5 | 684.7 | 684.8 | 684.9 | 685.0  | 684.7 |
| 152.5° | 699.2 | 698.9 | 698.7 | 698.4 | 698.2 | 698.4 | 698.7 | 698.9 | 699.2 | 699.3  | 699.1 |
| 155°   | 712.2 | 711.7 | 711.2 | 710.7 | 710.2 | 710.6 | 711.0 | 711.4 | 711.8 | 712.0  | 711.9 |
| 157.5° | 723.7 | 723.1 | 722.4 | 721.8 | 721.2 | 721.7 | 722.2 | 722.7 | 723.2 | 723.5  | 723.5 |
| 160°   | 734.5 | 733.8 | 733.0 | 732.3 | 731.5 | 731.6 | 731.8 | 731.9 | 732.0 | 732.1  | 732.3 |
| 162.5° | 743.1 | 742.4 | 741.6 | 740.9 | 740.1 | 740.2 | 740.4 | 740.5 | 740.6 | 740.7  | 741.0 |
| 165°   | 751.7 | 750.7 | 749.6 | 748.6 | 747.6 | 747.6 | 747.6 | 747.6 | 747.6 | 747.6  | 747.9 |
| 167.5° | 757.9 | 756.8 | 755.6 | 754.5 | 753.3 | 753.4 | 753.6 | 753.7 | 753.8 | 753.9  | 754.2 |
| 170°   | 763.1 | 762.1 | 761.0 | 760.0 | 759.0 | 758.9 | 758.8 | 758.7 | 758.6 | 758.5  | 758.9 |
| 172.5° | 766.6 | 765.6 | 764.5 | 763.5 | 762.5 | 762.4 | 762.2 | 762.1 | 762.0 | 761.9  | 762.3 |
| 175°   | 769.4 | 768.3 | 767.1 | 766.0 | 764.8 | 764.7 | 764.5 | 764.4 | 764.3 | 764.2  | 764.6 |
| 177.5° | 770.6 | 769.6 | 768.5 | 767.5 | 766.5 | 766.3 | 766.0 | 765.8 | 765.5 | 765.4  | 765.8 |
| 180°   | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7 | 767.7  | 767.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1939.9 | 1939.9 | 1939.9 | 1939.9 |
| 2.5°   | 1886.9 | 1902.9 | 1917.4 | 1939.9 |
| 5°     | 1845.1 | 1867.6 | 1898.1 | 1931.9 |
| 7.5°   | 1796.9 | 1832.2 | 1872.4 | 1919.0 |
| 10°    | 1751.9 | 1792.0 | 1843.5 | 1899.7 |
| 12.5°  | 1705.2 | 1753.5 | 1809.7 | 1870.8 |
| 15°    | 1652.2 | 1700.4 | 1763.1 | 1845.1 |
| 17.5°  | 1604.0 | 1661.8 | 1729.4 | 1816.1 |
| 20°    | 1547.7 | 1602.4 | 1676.3 | 1776.0 |
| 22.5°  | 1497.9 | 1560.6 | 1642.6 | 1729.4 |
| 25°    | 1443.3 | 1497.9 | 1579.9 | 1684.3 |
| 27.5°  | 1388.6 | 1456.1 | 1534.9 | 1636.1 |
| 30°    | 1335.6 | 1391.8 | 1477.0 | 1583.1 |
| 32.5°  | 1277.7 | 1345.2 | 1424.0 | 1523.6 |
| 35°    | 1215.0 | 1279.3 | 1353.3 | 1460.9 |
| 37.5°  | 1158.8 | 1221.5 | 1297.0 | 1391.8 |
| 40°    | 1096.1 | 1162.0 | 1231.1 | 1325.9 |
| 42.5°  | 1035.0 | 1094.5 | 1163.6 | 1250.4 |
| 45°    | 975.6  | 1027.0 | 1089.7 | 1165.2 |
| 47.5°  | 914.5  | 957.9  | 1015.8 | 1083.3 |
| 50°    | 848.6  | 895.2  | 938.6  | 994.9  |
| 52.5°  | 787.5  | 827.7  | 863.1  | 909.7  |
| 55°    | 728.1  | 755.4  | 784.3  | 819.7  |
| 57.5°  | 665.4  | 686.3  | 707.2  | 744.1  |
| 60°    | 602.7  | 622.0  | 633.2  | 657.3  |
| 62.5°  | 541.6  | 549.7  | 564.1  | 578.6  |
| 65°    | 474.1  | 485.4  | 493.4  | 511.1  |
| 67.5°  | 413.1  | 417.9  | 425.9  | 437.2  |
| 70°    | 348.8  | 360.0  | 363.2  | 371.3  |
| 72.5°  | 294.1  | 298.9  | 302.2  | 303.8  |
| 75°    | 233.0  | 237.9  | 241.1  | 250.7  |
| 77.5°  | 183.2  | 181.6  | 188.0  | 189.7  |
| 80°    | 135.0  | 130.2  | 131.8  | 138.2  |
| 82.5°  | 88.4   | 90.0   | 88.4   | 88.4   |
| 85°    | 54.6   | 53.0   | 49.8   | 51.4   |
| 87.5°  | 24.1   | 24.1   | 22.5   | 22.5   |
| 90°    | 5.9    | 4.5    | 3.1    | 1.7    |
| 92.5°  | 7.9    | 8.1    | 8.4    | 8.6    |
| 95°    | 18.6   | 22.9   | 27.3   | 31.6   |
| 97.5°  | 68.7   | 65.9   | 63.1   | 60.3   |
| 100°   | 101.1  | 98.8   | 96.5   | 94.2   |
| 102.5° | 136.6  | 135.1  | 133.6  | 132.1  |
| 105°   | 175.1  | 174.4  | 173.6  | 172.8  |
| 107.5° | 211.3  | 210.9  | 210.5  | 210.1  |
| 110°   | 249.2  | 248.8  | 248.4  | 248.0  |

TEST NUMBER: P1000994

CATALOG NUMBER: SA4XXDIP-B1195D590UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 287.1 | 286.3 | 285.6 | 284.8 |
| 115°   | 323.8 | 323.5 | 323.1 | 322.7 |
| 117.5° | 358.1 | 357.6 | 357.1 | 356.6 |
| 120°   | 392.5 | 392.0 | 391.5 | 391.0 |
| 122.5° | 423.9 | 423.7 | 423.4 | 423.2 |
| 125°   | 455.1 | 454.6 | 454.1 | 453.6 |
| 127.5° | 483.2 | 483.1 | 483.0 | 482.9 |
| 130°   | 511.4 | 511.3 | 511.1 | 511.0 |
| 132.5° | 537.6 | 537.3 | 537.1 | 536.8 |
| 135°   | 562.3 | 562.4 | 562.6 | 562.7 |
| 137.5° | 585.7 | 585.7 | 585.7 | 585.7 |
| 140°   | 608.8 | 608.5 | 608.3 | 608.0 |
| 142.5° | 629.6 | 629.1 | 628.6 | 628.1 |
| 145°   | 649.9 | 649.6 | 649.2 | 648.8 |
| 147.5° | 667.2 | 666.4 | 665.7 | 664.9 |
| 150°   | 684.2 | 683.7 | 683.2 | 682.7 |
| 152.5° | 698.7 | 698.4 | 698.0 | 697.6 |
| 155°   | 711.8 | 711.7 | 711.5 | 711.4 |
| 157.5° | 723.5 | 723.5 | 723.5 | 723.5 |
| 160°   | 732.7 | 733.0 | 733.4 | 733.8 |
| 162.5° | 741.5 | 742.0 | 742.5 | 743.0 |
| 165°   | 748.5 | 749.2 | 749.8 | 750.4 |
| 167.5° | 754.9 | 755.5 | 756.2 | 756.8 |
| 170°   | 759.6 | 760.4 | 761.1 | 761.9 |
| 172.5° | 763.1 | 763.8 | 764.6 | 765.4 |
| 175°   | 765.4 | 766.1 | 766.9 | 767.7 |
| 177.5° | 766.7 | 767.6 | 768.5 | 769.4 |
| 180°   | 767.7 | 767.7 | 767.7 | 767.7 |

(END OF REPORT)