

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: P1008221

Luminaire Tested: S122DIP-B865D1080UB2750-4F0-XX-W2A-A\_3500K

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1008221  
REPORT IS A COMBINATION OF REPORTS P984729 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S122DIP-B865D1080UB2750-4F0-XX-W2A-A\_3500K  
Description: Define 2 Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}  
Light Source: -  
Ballast/Driver: -

**Summary**

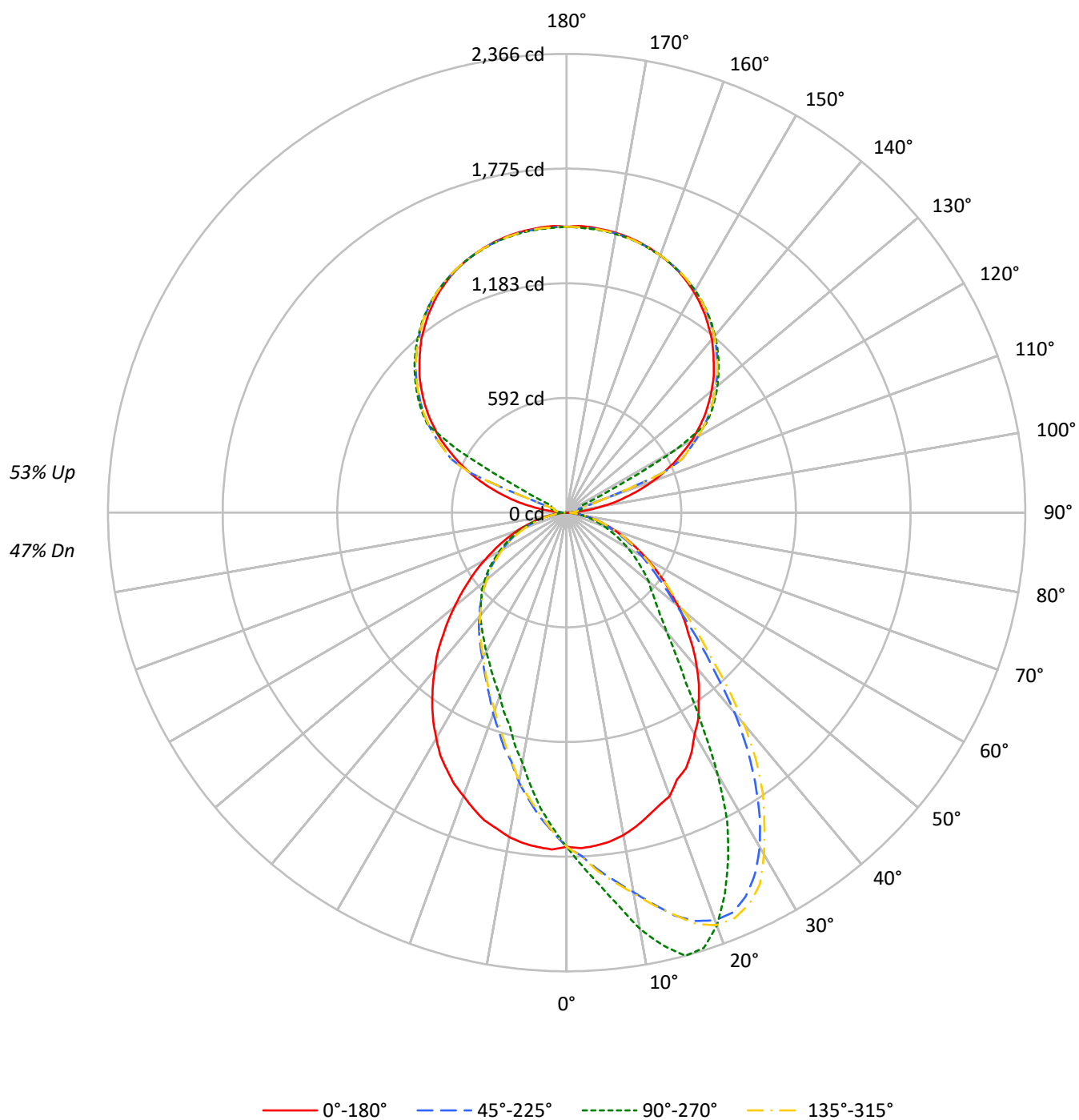
Lumens per Lamp: N/A  
Luminaire Lumens: 8127.0 lumens  
Efficiency: N/A  
Efficacy: 99.4 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 81.8  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    |    | 20 |    |    |    |    | 20 |    |    |    |    | 20 |
| RC  | 80  |     |     |     | 70 |    |    |    |    | 50 |    |    |    |    | 30 |    |    |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 106 | 106 | 106 | 106 | 98 | 98 | 98 | 98 | 82 | 82 | 82 | 67 | 67 | 67 | 53 | 53 | 53 |    |    | 47 |
| 1   | 98  | 93  | 90  | 86  | 89 | 86 | 83 | 80 | 72 | 70 | 68 | 59 | 58 | 56 | 48 | 47 | 46 |    |    | 40 |
| 2   | 89  | 82  | 76  | 71  | 82 | 76 | 71 | 66 | 64 | 60 | 57 | 53 | 50 | 48 | 43 | 41 | 39 |    |    | 35 |
| 3   | 82  | 73  | 65  | 60  | 75 | 67 | 61 | 56 | 57 | 52 | 48 | 47 | 44 | 41 | 38 | 36 | 34 |    |    | 30 |
| 4   | 75  | 64  | 57  | 51  | 69 | 60 | 53 | 48 | 51 | 46 | 42 | 42 | 39 | 36 | 34 | 32 | 30 |    |    | 26 |
| 5   | 69  | 58  | 50  | 44  | 63 | 53 | 47 | 41 | 45 | 40 | 36 | 38 | 34 | 31 | 31 | 28 | 26 |    |    | 23 |
| 6   | 64  | 52  | 44  | 38  | 58 | 48 | 41 | 36 | 41 | 36 | 32 | 35 | 31 | 27 | 28 | 26 | 23 |    |    | 20 |
| 7   | 59  | 47  | 39  | 34  | 54 | 44 | 37 | 32 | 37 | 32 | 28 | 32 | 27 | 24 | 26 | 23 | 21 |    |    | 18 |
| 8   | 55  | 43  | 35  | 30  | 50 | 40 | 33 | 28 | 34 | 29 | 25 | 29 | 25 | 22 | 24 | 21 | 19 |    |    | 16 |
| 9   | 51  | 39  | 32  | 27  | 47 | 36 | 30 | 25 | 31 | 26 | 23 | 27 | 23 | 20 | 22 | 19 | 17 |    |    | 15 |
| 10  | 48  | 36  | 29  | 24  | 44 | 34 | 27 | 23 | 29 | 24 | 20 | 25 | 21 | 18 | 21 | 18 | 16 |    |    | 14 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 27277 | 27277 | 27277 | 27277 |
| 5°  | 27344 | 29085 | 27448 | 23140 |
| 10° | 27026 | 31750 | 27195 | 19078 |
| 15° | 26370 | 33490 | 26736 | 16069 |
| 20° | 25958 | 31444 | 25958 | 13968 |
| 25° | 25132 | 27013 | 25246 | 12490 |
| 30° | 23771 | 21235 | 24223 | 11314 |
| 35° | 22564 | 14684 | 22942 | 10351 |
| 40° | 21178 | 11087 | 21419 | 9583  |
| 45° | 19468 | 9111  | 19787 | 8756  |
| 50° | 17990 | 7996  | 18024 | 8016  |
| 55° | 16305 | 6814  | 16411 | 7211  |
| 60° | 14511 | 5691  | 14711 | 6293  |
| 65° | 12901 | 4629  | 13139 | 5374  |
| 70° | 11299 | 3632  | 11589 | 4334  |
| 75° | 9482  | 2638  | 9857  | 3143  |
| 80° | 7401  | 1671  | 7928  | 1865  |
| 85° | 4859  | 842   | 5241  | 623   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 28197 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 164.1  | 2.0       |
| 10°-20°   | 477.7  | 5.9       |
| 20°-30°   | 693.3  | 8.5       |
| 30°-40°   | 730.9  | 9.0       |
| 40°-50°   | 646.8  | 8.0       |
| 50°-60°   | 516.4  | 6.4       |
| 60°-70°   | 350.8  | 4.3       |
| 70°-80°   | 179.5  | 2.2       |
| 80°-90°   | 45.0   | 0.6       |
| 90°-100°  | 48.6   | 0.6       |
| 100°-110° | 181.2  | 2.2       |
| 110°-120° | 480.7  | 5.9       |
| 120°-130° | 797.2  | 9.8       |
| 130°-140° | 846.8  | 10.4      |
| 140°-150° | 787.0  | 9.7       |
| 150°-160° | 632.7  | 7.8       |
| 160°-170° | 407.7  | 5.0       |
| 170°-180° | 140.3  | 1.7       |
| 0°-30°    | 1335.2 | 16.4      |
| 0°-40°    | 2066.1 | 25.4      |
| 0°-60°    | 3229.3 | 39.7      |
| 0°-90°    | 3804.6 | 46.8      |
| 90°-120°  | 710.5  | 8.7       |
| 90°-150°  | 3141.6 | 38.7      |
| 90°-180°  | 4322.0 | 53.2      |
| 0°-180°   | 8127.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1723 | 1723 | 1723 | 1723 | 1723 |      |
| 5°   | 1725 | 1925 | 1731 | 1531 | 1725 | 163  |
| 15°  | 1620 | 2366 | 1642 | 1135 | 1620 | 458  |
| 25°  | 1456 | 1971 | 1462 | 911  | 1456 | 665  |
| 35°  | 1188 | 1073 | 1208 | 756  | 1188 | 743  |
| 45°  | 891  | 646  | 906  | 621  | 891  | 692  |
| 55°  | 612  | 454  | 616  | 481  | 612  | 546  |
| 65°  | 363  | 280  | 370  | 324  | 363  | 361  |
| 75°  | 170  | 138  | 176  | 164  | 170  | 182  |
| 85°  | 34   | 36   | 37   | 26   | 34   | 40   |
| 90°  | 1    | 29   | 1    | 29   | 1    | 6    |
| 95°  | 69   | 46   | 69   | 46   | 69   | 82   |
| 105° | 324  | 81   | 324  | 81   | 324  | 347  |
| 115° | 613  | 88   | 613  | 88   | 613  | 604  |
| 125° | 867  | 912  | 867  | 912  | 867  | 774  |
| 135° | 1073 | 1108 | 1073 | 1108 | 1073 | 829  |
| 145° | 1245 | 1264 | 1245 | 1264 | 1245 | 779  |
| 155° | 1371 | 1372 | 1371 | 1372 | 1371 | 632  |
| 165° | 1444 | 1441 | 1444 | 1441 | 1444 | 408  |
| 175° | 1478 | 1469 | 1478 | 1469 | 1478 | 141  |
| 180° | 1474 | 1474 | 1474 | 1474 | 1474 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 |
| 2.5°   | 1732.5 | 1736.5 | 1743.1 | 1744.4 | 1757.7 | 1768.3 | 1780.2 | 1780.2 | 1784.2 | 1782.8 | 1772.3 |
| 5°     | 1724.6 | 1736.5 | 1753.7 | 1768.3 | 1792.1 | 1802.7 | 1818.6 | 1830.5 | 1841.1 | 1849.1 | 1847.8 |
| 7.5°   | 1711.3 | 1732.5 | 1757.7 | 1785.5 | 1817.3 | 1835.8 | 1858.3 | 1879.5 | 1894.1 | 1907.4 | 1916.6 |
| 10°    | 1688.8 | 1724.6 | 1759.0 | 1796.1 | 1837.2 | 1862.3 | 1888.8 | 1916.6 | 1939.1 | 1964.3 | 1988.2 |
| 12.5°  | 1658.3 | 1710.0 | 1752.4 | 1801.4 | 1851.7 | 1879.5 | 1921.9 | 1943.1 | 1986.8 | 2050.4 | 2067.6 |
| 15°    | 1619.9 | 1690.1 | 1729.9 | 1792.1 | 1858.3 | 1880.9 | 1939.1 | 1973.6 | 2063.7 | 2103.4 | 2151.1 |
| 17.5°  | 1584.2 | 1662.3 | 1715.3 | 1786.8 | 1851.7 | 1895.4 | 1952.4 | 2022.6 | 2098.1 | 2155.0 | 2208.0 |
| 20°    | 1555.0 | 1630.5 | 1694.1 | 1773.6 | 1855.7 | 1911.3 | 1970.9 | 2055.7 | 2137.8 | 2196.1 | 2237.2 |
| 22.5°  | 1488.8 | 1585.5 | 1659.7 | 1748.4 | 1847.8 | 1924.6 | 1981.5 | 2074.3 | 2163.0 | 2198.8 | 2234.5 |
| 25°    | 1455.7 | 1539.1 | 1625.2 | 1725.9 | 1842.5 | 1933.8 | 1982.9 | 2086.2 | 2164.3 | 2177.6 | 2185.5 |
| 27.5°  | 1394.8 | 1488.8 | 1589.5 | 1704.7 | 1841.1 | 1918.0 | 1980.2 | 2074.3 | 2136.5 | 2127.2 | 2103.4 |
| 30°    | 1319.3 | 1434.5 | 1545.8 | 1670.3 | 1822.6 | 1906.0 | 1964.3 | 2050.4 | 2082.2 | 2034.5 | 1992.1 |
| 32.5°  | 1263.6 | 1372.2 | 1495.4 | 1639.8 | 1801.4 | 1880.9 | 1937.8 | 2005.4 | 2012.0 | 1925.9 | 1854.4 |
| 35°    | 1188.1 | 1308.7 | 1447.7 | 1600.1 | 1765.6 | 1837.2 | 1890.1 | 1931.2 | 1899.4 | 1778.9 | 1694.1 |
| 37.5°  | 1120.6 | 1239.8 | 1388.1 | 1543.1 | 1716.6 | 1786.8 | 1829.2 | 1835.8 | 1757.7 | 1651.7 | 1527.2 |
| 40°    | 1046.4 | 1169.6 | 1324.6 | 1487.5 | 1662.3 | 1723.2 | 1749.7 | 1729.9 | 1617.3 | 1494.1 | 1349.7 |
| 42.5°  | 972.2  | 1094.1 | 1261.0 | 1427.9 | 1593.4 | 1645.1 | 1655.7 | 1601.4 | 1463.6 | 1319.3 | 1152.4 |
| 45°    | 891.4  | 1018.6 | 1185.5 | 1353.7 | 1514.0 | 1543.1 | 1544.4 | 1466.3 | 1303.4 | 1152.4 | 997.4  |
| 47.5°  | 825.2  | 943.1  | 1108.7 | 1276.9 | 1412.0 | 1431.8 | 1423.9 | 1333.8 | 1156.3 | 986.8  | 851.7  |
| 50°    | 752.3  | 864.9  | 1029.2 | 1194.7 | 1310.0 | 1315.3 | 1295.4 | 1166.9 | 993.4  | 838.4  | 731.2  |
| 52.5°  | 674.2  | 788.1  | 939.1  | 1098.1 | 1201.4 | 1193.4 | 1155.0 | 1017.3 | 854.3  | 725.9  | 643.7  |
| 55°    | 611.9  | 712.6  | 854.3  | 1009.3 | 1082.2 | 1059.6 | 1017.3 | 876.9  | 748.4  | 639.8  | 568.2  |
| 57.5°  | 543.1  | 631.8  | 770.9  | 906.0  | 948.4  | 927.2  | 884.8  | 753.7  | 634.5  | 552.3  | 504.7  |
| 60°    | 478.2  | 559.0  | 680.8  | 793.4  | 826.5  | 804.0  | 755.0  | 637.1  | 551.0  | 482.1  | 446.4  |
| 62.5°  | 418.6  | 488.8  | 590.8  | 694.1  | 707.3  | 684.8  | 642.4  | 547.0  | 472.9  | 418.6  | 392.1  |
| 65°    | 362.9  | 429.2  | 511.3  | 589.4  | 601.3  | 577.5  | 533.8  | 464.9  | 402.7  | 368.2  | 343.1  |
| 67.5°  | 308.6  | 361.6  | 434.5  | 491.4  | 498.0  | 475.5  | 439.8  | 384.1  | 345.7  | 308.6  | 290.1  |
| 70°    | 260.9  | 300.7  | 357.6  | 404.0  | 406.6  | 385.4  | 366.9  | 316.6  | 287.4  | 260.9  | 246.4  |
| 72.5°  | 214.6  | 242.4  | 286.1  | 320.5  | 321.9  | 308.6  | 291.4  | 259.6  | 234.4  | 215.9  | 201.3  |
| 75°    | 169.5  | 193.4  | 219.9  | 250.3  | 249.0  | 238.4  | 225.2  | 205.3  | 184.1  | 172.2  | 165.6  |
| 77.5°  | 129.8  | 144.4  | 165.6  | 185.4  | 185.4  | 180.1  | 172.2  | 157.6  | 144.4  | 132.5  | 125.8  |
| 80°    | 92.7   | 102.0  | 119.2  | 125.8  | 128.5  | 127.2  | 120.5  | 109.9  | 104.6  | 95.4   | 92.7   |
| 82.5°  | 59.6   | 66.2   | 74.2   | 80.8   | 84.8   | 82.1   | 80.8   | 75.5   | 67.6   | 64.9   | 62.3   |
| 85°    | 34.4   | 37.1   | 41.1   | 45.0   | 46.4   | 45.0   | 47.7   | 43.7   | 39.7   | 39.7   | 38.4   |
| 87.5°  | 14.6   | 15.9   | 18.5   | 18.5   | 19.9   | 19.9   | 18.5   | 19.9   | 19.9   | 18.5   | 17.2   |
| 90°    | 1.1    | 3.7    | 6.3    | 8.9    | 11.5   | 12.8   | 13.7   | 15.6   | 17.5   | 19.4   | 21.3   |
| 92.5°  | 26.7   | 25.7   | 24.8   | 23.8   | 22.9   | 22.4   | 22.8   | 23.5   | 24.2   | 24.9   | 25.6   |
| 95°    | 69.3   | 61.5   | 53.7   | 45.8   | 38.0   | 34.1   | 34.9   | 36.6   | 38.3   | 39.9   | 41.6   |
| 97.5°  | 124.8  | 105.4  | 85.9   | 66.5   | 47.0   | 37.3   | 39.2   | 43.0   | 46.8   | 50.6   | 54.4   |
| 100°   | 188.8  | 156.3  | 123.9  | 91.4   | 58.9   | 42.7   | 44.7   | 48.7   | 52.8   | 56.8   | 60.8   |
| 102.5° | 259.2  | 258.7  | 258.3  | 257.8  | 257.3  | 257.1  | 235.5  | 192.4  | 149.2  | 106.1  | 62.9   |
| 105°   | 324.3  | 331.4  | 338.5  | 345.6  | 352.7  | 356.3  | 323.9  | 259.2  | 194.5  | 129.8  | 65.1   |
| 107.5° | 400.1  | 406.0  | 411.9  | 417.8  | 423.7  | 426.7  | 386.8  | 306.9  | 227.0  | 147.1  | 67.2   |
| 110°   | 472.6  | 477.6  | 482.6  | 487.5  | 492.5  | 495.0  | 460.7  | 392.2  | 323.7  | 255.2  | 186.7  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 540.9  | 545.2  | 549.4  | 553.7  | 558.0  | 560.1  | 558.1  | 554.1  | 550.0  | 546.0  | 542.0  |
| 115°   | 613.4  | 617.4  | 621.5  | 625.5  | 629.6  | 631.6  | 634.6  | 640.5  | 646.4  | 652.3  | 658.2  |
| 117.5° | 676.4  | 681.1  | 685.9  | 690.6  | 695.3  | 697.7  | 699.7  | 703.8  | 707.8  | 711.9  | 715.9  |
| 120°   | 746.8  | 750.4  | 753.9  | 757.5  | 761.0  | 762.8  | 764.9  | 769.2  | 773.5  | 777.7  | 782.0  |
| 122.5° | 806.5  | 810.3  | 814.1  | 817.9  | 821.7  | 823.6  | 826.0  | 830.7  | 835.4  | 840.2  | 844.9  |
| 125°   | 867.4  | 870.5  | 873.5  | 876.6  | 879.7  | 881.2  | 883.5  | 888.0  | 892.5  | 897.0  | 901.5  |
| 127.5° | 922.8  | 926.1  | 929.5  | 932.8  | 936.1  | 937.8  | 939.6  | 943.1  | 946.7  | 950.2  | 953.8  |
| 130°   | 975.1  | 978.9  | 982.7  | 986.5  | 990.3  | 992.2  | 993.5  | 996.1  | 998.7  | 1001.3 | 1003.9 |
| 132.5° | 1028.4 | 1031.5 | 1034.6 | 1037.7 | 1040.8 | 1042.3 | 1043.6 | 1046.2 | 1048.9 | 1051.5 | 1054.1 |
| 135°   | 1073.3 | 1077.1 | 1080.9 | 1084.6 | 1088.4 | 1090.3 | 1091.4 | 1093.5 | 1095.6 | 1097.8 | 1099.9 |
| 137.5° | 1120.2 | 1123.0 | 1125.9 | 1128.7 | 1131.6 | 1133.0 | 1134.2 | 1136.6 | 1138.9 | 1141.3 | 1143.7 |
| 140°   | 1166.1 | 1168.0 | 1169.9 | 1171.8 | 1173.7 | 1174.6 | 1175.9 | 1178.5 | 1181.1 | 1183.7 | 1186.3 |
| 142.5° | 1204.5 | 1206.1 | 1207.8 | 1209.4 | 1211.1 | 1211.9 | 1213.4 | 1216.5 | 1219.6 | 1222.7 | 1225.8 |
| 145°   | 1245.0 | 1244.8 | 1244.6 | 1244.3 | 1244.1 | 1244.0 | 1246.0 | 1250.0 | 1254.1 | 1258.1 | 1262.1 |
| 147.5° | 1280.2 | 1279.5 | 1278.8 | 1278.1 | 1277.4 | 1277.0 | 1279.0 | 1283.1 | 1287.1 | 1291.2 | 1295.2 |
| 150°   | 1314.4 | 1312.7 | 1311.1 | 1309.4 | 1307.7 | 1306.9 | 1308.8 | 1312.6 | 1316.4 | 1320.2 | 1324.0 |
| 152.5° | 1343.2 | 1341.3 | 1339.4 | 1337.5 | 1335.6 | 1334.6 | 1336.4 | 1339.9 | 1343.5 | 1347.0 | 1350.6 |
| 155°   | 1370.9 | 1368.8 | 1366.6 | 1364.5 | 1362.4 | 1361.3 | 1362.7 | 1365.6 | 1368.4 | 1371.3 | 1374.1 |
| 157.5° | 1393.3 | 1391.4 | 1389.5 | 1387.6 | 1385.7 | 1384.8 | 1385.9 | 1388.0 | 1390.1 | 1392.3 | 1394.4 |
| 160°   | 1412.5 | 1411.1 | 1409.7 | 1408.2 | 1406.8 | 1406.1 | 1406.8 | 1408.2 | 1409.7 | 1411.1 | 1412.5 |
| 162.5° | 1429.6 | 1428.2 | 1426.8 | 1425.3 | 1423.9 | 1423.2 | 1423.8 | 1425.0 | 1426.1 | 1427.3 | 1428.5 |
| 165°   | 1444.5 | 1443.1 | 1441.7 | 1440.2 | 1438.8 | 1438.1 | 1438.5 | 1439.2 | 1439.9 | 1440.6 | 1441.3 |
| 167.5° | 1456.3 | 1454.9 | 1453.5 | 1452.0 | 1450.6 | 1449.9 | 1450.3 | 1451.0 | 1451.7 | 1452.4 | 1453.1 |
| 170°   | 1465.9 | 1464.5 | 1463.1 | 1461.6 | 1460.2 | 1459.5 | 1459.7 | 1460.2 | 1460.7 | 1461.1 | 1461.6 |
| 172.5° | 1472.3 | 1470.9 | 1469.5 | 1468.0 | 1466.6 | 1465.9 | 1466.1 | 1466.6 | 1467.1 | 1467.5 | 1468.0 |
| 175°   | 1477.6 | 1475.9 | 1474.3 | 1472.6 | 1470.9 | 1470.1 | 1470.3 | 1470.8 | 1471.3 | 1471.8 | 1472.3 |
| 177.5° | 1479.7 | 1478.1 | 1476.4 | 1474.8 | 1473.1 | 1472.3 | 1472.4 | 1472.6 | 1472.9 | 1473.1 | 1473.3 |
| 180°   | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 |
| 2.5°   | 1790.8 | 1792.1 | 1794.8 | 1808.0 | 1814.6 | 1816.0 | 1810.7 | 1822.6 | 1826.6 | 1822.6 | 1819.9 |
| 5°     | 1875.6 | 1883.5 | 1899.4 | 1916.6 | 1915.3 | 1916.6 | 1924.6 | 1932.5 | 1935.2 | 1924.6 | 1928.5 |
| 7.5°   | 1949.7 | 1965.6 | 1982.9 | 2009.3 | 2009.3 | 2022.6 | 2027.9 | 2034.5 | 2050.4 | 2042.5 | 2039.8 |
| 10°    | 2034.5 | 2055.7 | 2087.5 | 2129.9 | 2131.2 | 2144.5 | 2157.7 | 2178.9 | 2185.5 | 2180.2 | 2182.9 |
| 12.5°  | 2140.5 | 2181.5 | 2184.2 | 2230.5 | 2251.7 | 2254.4 | 2275.6 | 2271.6 | 2284.9 | 2284.9 | 2307.4 |
| 15°    | 2186.8 | 2250.4 | 2286.2 | 2331.2 | 2344.5 | 2328.6 | 2345.8 | 2364.3 | 2365.7 | 2365.7 | 2364.3 |
| 17.5°  | 2270.3 | 2295.5 | 2331.2 | 2355.1 | 2360.4 | 2360.4 | 2361.7 | 2369.6 | 2364.3 | 2353.7 | 2361.7 |
| 20°    | 2287.5 | 2298.1 | 2311.3 | 2308.7 | 2311.3 | 2298.1 | 2284.9 | 2271.6 | 2272.9 | 2266.3 | 2286.2 |
| 22.5°  | 2255.7 | 2253.1 | 2222.6 | 2202.7 | 2202.7 | 2176.2 | 2151.1 | 2139.2 | 2127.2 | 2131.2 | 2137.8 |
| 25°    | 2176.2 | 2135.2 | 2098.1 | 2069.0 | 2062.3 | 2019.9 | 1985.5 | 1974.9 | 1955.0 | 1970.9 | 1973.6 |
| 27.5°  | 2049.1 | 2002.7 | 1943.1 | 1918.0 | 1883.5 | 1866.3 | 1842.5 | 1810.7 | 1769.6 | 1793.4 | 1789.5 |
| 30°    | 1912.7 | 1843.8 | 1794.8 | 1733.8 | 1679.5 | 1675.6 | 1630.5 | 1577.5 | 1556.3 | 1556.3 | 1568.3 |
| 32.5°  | 1760.3 | 1668.9 | 1597.4 | 1511.3 | 1458.3 | 1435.8 | 1381.5 | 1328.5 | 1340.4 | 1300.7 | 1315.3 |
| 35°    | 1582.8 | 1462.3 | 1372.2 | 1288.8 | 1249.1 | 1222.6 | 1152.4 | 1123.2 | 1091.4 | 1072.9 | 1107.3 |
| 37.5°  | 1413.3 | 1274.2 | 1159.0 | 1067.6 | 1053.0 | 1005.3 | 957.7  | 939.1  | 920.6  | 928.5  | 927.2  |
| 40°    | 1206.7 | 1083.5 | 980.2  | 908.6  | 883.5  | 861.0  | 829.2  | 806.7  | 794.7  | 801.4  | 802.7  |
| 42.5°  | 1019.9 | 916.6  | 839.8  | 789.4  | 768.2  | 752.3  | 736.5  | 717.9  | 713.9  | 713.9  | 719.2  |
| 45°    | 875.5  | 790.8  | 739.1  | 698.0  | 686.1  | 674.2  | 662.3  | 654.3  | 651.7  | 646.4  | 650.4  |
| 47.5°  | 760.3  | 692.7  | 661.0  | 630.5  | 617.2  | 614.6  | 604.0  | 600.0  | 594.7  | 593.4  | 594.7  |
| 50°    | 663.6  | 621.2  | 592.1  | 574.9  | 565.6  | 561.6  | 556.3  | 548.4  | 545.7  | 552.3  | 549.7  |
| 52.5°  | 596.0  | 556.3  | 540.4  | 523.2  | 517.9  | 512.6  | 504.7  | 506.0  | 504.7  | 502.0  | 502.0  |
| 55°    | 528.5  | 503.3  | 487.4  | 474.2  | 472.9  | 467.6  | 460.9  | 458.3  | 457.0  | 454.3  | 458.3  |
| 57.5°  | 474.2  | 454.3  | 439.8  | 427.8  | 422.5  | 422.5  | 415.9  | 410.6  | 410.6  | 409.3  | 410.6  |
| 60°    | 419.9  | 400.0  | 390.7  | 378.8  | 374.8  | 373.5  | 369.6  | 366.9  | 362.9  | 362.9  | 362.9  |
| 62.5°  | 369.6  | 353.7  | 343.1  | 332.5  | 333.8  | 327.2  | 321.9  | 319.2  | 319.2  | 320.5  | 320.5  |
| 65°    | 321.9  | 311.3  | 298.0  | 288.8  | 286.1  | 284.8  | 282.1  | 280.8  | 276.8  | 279.5  | 279.5  |
| 67.5°  | 278.2  | 263.6  | 255.6  | 251.7  | 247.7  | 246.4  | 243.7  | 241.1  | 239.7  | 238.4  | 241.1  |
| 70°    | 234.4  | 222.5  | 215.9  | 213.3  | 209.3  | 208.0  | 206.6  | 202.7  | 204.0  | 205.3  | 206.6  |
| 72.5°  | 194.7  | 184.1  | 182.8  | 174.8  | 174.8  | 174.8  | 169.5  | 172.2  | 170.9  | 168.2  | 170.9  |
| 75°    | 153.6  | 148.3  | 145.7  | 141.7  | 143.1  | 141.7  | 140.4  | 136.4  | 136.4  | 137.8  | 139.1  |
| 77.5°  | 121.9  | 116.6  | 115.2  | 111.3  | 108.6  | 111.3  | 108.6  | 107.3  | 107.3  | 108.6  | 108.6  |
| 80°    | 90.1   | 87.4   | 83.4   | 83.4   | 83.4   | 82.1   | 82.1   | 82.1   | 80.8   | 79.5   | 80.8   |
| 82.5°  | 59.6   | 59.6   | 58.3   | 57.0   | 58.3   | 55.6   | 57.0   | 57.0   | 57.0   | 57.0   | 57.0   |
| 85°    | 38.4   | 37.1   | 37.1   | 35.8   | 35.8   | 35.8   | 37.1   | 34.4   | 34.4   | 35.8   | 35.8   |
| 87.5°  | 17.2   | 17.2   | 17.2   | 18.5   | 17.2   | 17.2   | 17.2   | 18.5   | 17.2   | 17.2   | 17.2   |
| 90°    | 22.5   | 23.7   | 24.9   | 26.1   | 26.7   | 26.9   | 27.4   | 27.9   | 28.3   | 28.8   | 28.3   |
| 92.5°  | 26.1   | 26.5   | 27.0   | 27.5   | 27.7   | 27.8   | 28.1   | 28.3   | 28.6   | 28.8   | 28.6   |
| 95°    | 42.8   | 44.0   | 45.1   | 46.3   | 46.9   | 46.8   | 46.6   | 46.3   | 46.1   | 45.9   | 46.1   |
| 97.5°  | 55.1   | 55.8   | 56.5   | 57.2   | 57.6   | 57.7   | 58.0   | 58.2   | 58.5   | 58.7   | 58.5   |
| 100°   | 62.7   | 64.6   | 66.5   | 68.4   | 69.3   | 69.5   | 70.0   | 70.5   | 71.0   | 71.5   | 71.0   |
| 102.5° | 65.5   | 68.1   | 70.8   | 73.4   | 74.7   | 75.1   | 75.8   | 76.5   | 77.2   | 77.9   | 77.2   |
| 105°   | 67.7   | 70.3   | 72.9   | 75.5   | 76.8   | 77.3   | 78.2   | 79.2   | 80.1   | 81.1   | 80.1   |
| 107.5° | 69.8   | 72.4   | 75.0   | 77.6   | 78.9   | 79.4   | 80.3   | 81.3   | 82.2   | 83.2   | 82.2   |
| 110°   | 163.0  | 139.3  | 115.6  | 91.9   | 80.0   | 80.5   | 81.4   | 82.4   | 83.3   | 84.3   | 83.3   |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 439.8  | 337.6  | 235.4  | 133.2  | 82.1   | 82.5   | 83.2   | 83.9   | 84.6   | 85.3   | 84.6   |
| 115°   | 548.4  | 438.7  | 328.9  | 219.2  | 164.3  | 155.8  | 138.7  | 121.6  | 104.6  | 87.5   | 104.6  |
| 117.5° | 682.0  | 648.1  | 614.2  | 580.3  | 563.3  | 532.2  | 470.1  | 408.0  | 345.9  | 283.8  | 345.9  |
| 120°   | 784.8  | 787.7  | 790.5  | 793.4  | 794.8  | 778.8  | 746.8  | 714.8  | 682.8  | 650.8  | 682.8  |
| 122.5° | 846.3  | 847.8  | 849.2  | 850.7  | 851.4  | 851.5  | 851.7  | 852.0  | 852.2  | 852.4  | 852.2  |
| 125°   | 903.2  | 904.8  | 906.5  | 908.2  | 909.0  | 909.4  | 910.1  | 910.8  | 911.5  | 912.2  | 911.5  |
| 127.5° | 956.2  | 958.5  | 960.9  | 963.2  | 964.4  | 964.5  | 964.8  | 965.0  | 965.3  | 965.5  | 965.3  |
| 130°   | 1006.5 | 1009.1 | 1011.7 | 1014.3 | 1015.6 | 1015.5 | 1015.3 | 1015.0 | 1014.8 | 1014.6 | 1014.8 |
| 132.5° | 1056.2 | 1058.4 | 1060.5 | 1062.6 | 1063.7 | 1063.6 | 1063.3 | 1063.1 | 1062.8 | 1062.6 | 1062.8 |
| 135°   | 1102.3 | 1104.7 | 1107.0 | 1109.4 | 1110.6 | 1110.4 | 1109.9 | 1109.4 | 1109.0 | 1108.5 | 1109.0 |
| 137.5° | 1146.1 | 1148.4 | 1150.8 | 1153.1 | 1154.3 | 1153.9 | 1153.2 | 1152.5 | 1151.8 | 1151.1 | 1151.8 |
| 140°   | 1188.4 | 1190.6 | 1192.7 | 1194.8 | 1195.9 | 1195.3 | 1194.1 | 1193.0 | 1191.8 | 1190.6 | 1191.8 |
| 142.5° | 1227.7 | 1229.6 | 1231.5 | 1233.4 | 1234.4 | 1233.8 | 1232.6 | 1231.4 | 1230.2 | 1229.0 | 1230.2 |
| 145°   | 1263.8 | 1265.4 | 1267.1 | 1268.8 | 1269.6 | 1269.0 | 1267.8 | 1266.6 | 1265.4 | 1264.2 | 1265.4 |
| 147.5° | 1296.4 | 1297.6 | 1298.7 | 1299.9 | 1300.5 | 1300.0 | 1299.1 | 1298.1 | 1297.2 | 1296.2 | 1297.2 |
| 150°   | 1325.4 | 1326.8 | 1328.3 | 1329.7 | 1330.4 | 1329.8 | 1328.6 | 1327.4 | 1326.2 | 1325.0 | 1326.2 |
| 152.5° | 1352.0 | 1353.4 | 1354.9 | 1356.3 | 1357.0 | 1356.2 | 1354.5 | 1352.9 | 1351.2 | 1349.6 | 1351.2 |
| 155°   | 1375.5 | 1376.9 | 1378.4 | 1379.8 | 1380.5 | 1379.6 | 1377.7 | 1375.8 | 1373.9 | 1372.0 | 1373.9 |
| 157.5° | 1396.0 | 1397.7 | 1399.3 | 1401.0 | 1401.8 | 1400.9 | 1399.0 | 1397.1 | 1395.2 | 1393.3 | 1395.2 |
| 160°   | 1413.9 | 1415.3 | 1416.8 | 1418.2 | 1418.9 | 1418.1 | 1416.4 | 1414.7 | 1413.1 | 1411.4 | 1413.1 |
| 162.5° | 1430.2 | 1431.8 | 1433.5 | 1435.2 | 1436.0 | 1434.9 | 1432.8 | 1430.7 | 1428.5 | 1426.4 | 1428.5 |
| 165°   | 1443.0 | 1444.6 | 1446.3 | 1448.0 | 1448.8 | 1448.0 | 1446.3 | 1444.6 | 1443.0 | 1441.3 | 1443.0 |
| 167.5° | 1454.7 | 1456.4 | 1458.0 | 1459.7 | 1460.5 | 1459.4 | 1457.3 | 1455.2 | 1453.0 | 1450.9 | 1453.0 |
| 170°   | 1463.3 | 1464.9 | 1466.6 | 1468.3 | 1469.1 | 1468.0 | 1465.9 | 1463.8 | 1461.6 | 1459.5 | 1461.6 |
| 172.5° | 1469.7 | 1471.3 | 1473.0 | 1474.7 | 1475.5 | 1474.4 | 1472.3 | 1470.2 | 1468.0 | 1465.9 | 1468.0 |
| 175°   | 1473.9 | 1475.6 | 1477.2 | 1478.9 | 1479.7 | 1478.5 | 1476.2 | 1473.8 | 1471.5 | 1469.1 | 1471.5 |
| 177.5° | 1475.0 | 1476.6 | 1478.3 | 1480.0 | 1480.8 | 1479.7 | 1477.6 | 1475.5 | 1473.3 | 1471.2 | 1473.3 |
| 180°   | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 |

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**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 |
| 2.5°   | 1826.6 | 1817.3 | 1809.3 | 1810.7 | 1817.3 | 1812.0 | 1798.7 | 1781.5 | 1774.9 | 1767.0 | 1774.9 |
| 5°     | 1936.5 | 1928.5 | 1912.7 | 1914.0 | 1910.0 | 1904.7 | 1883.5 | 1857.0 | 1857.0 | 1835.8 | 1833.2 |
| 7.5°   | 2045.1 | 2033.2 | 2022.6 | 2019.9 | 2005.4 | 1994.8 | 1976.2 | 1939.1 | 1924.6 | 1899.4 | 1884.8 |
| 10°    | 2167.0 | 2157.7 | 2145.8 | 2131.2 | 2123.3 | 2104.7 | 2074.3 | 2019.9 | 1993.5 | 1959.0 | 1933.8 |
| 12.5°  | 2290.2 | 2288.8 | 2262.3 | 2233.2 | 2231.9 | 2202.7 | 2181.5 | 2108.7 | 2072.9 | 2026.6 | 1967.0 |
| 15°    | 2368.3 | 2361.7 | 2347.1 | 2332.5 | 2336.5 | 2304.7 | 2257.0 | 2170.9 | 2147.1 | 2091.5 | 2027.9 |
| 17.5°  | 2367.0 | 2367.0 | 2363.0 | 2360.4 | 2356.4 | 2347.1 | 2320.6 | 2263.7 | 2225.2 | 2155.0 | 2095.4 |
| 20°    | 2291.5 | 2308.7 | 2312.7 | 2311.3 | 2324.6 | 2331.2 | 2329.9 | 2294.1 | 2263.7 | 2201.4 | 2140.5 |
| 22.5°  | 2140.5 | 2180.2 | 2197.4 | 2208.0 | 2235.8 | 2250.4 | 2284.9 | 2271.6 | 2263.7 | 2217.3 | 2165.6 |
| 25°    | 2000.1 | 2013.3 | 2065.0 | 2067.6 | 2106.0 | 2141.8 | 2176.2 | 2198.8 | 2227.9 | 2210.7 | 2167.0 |
| 27.5°  | 1818.6 | 1849.1 | 1886.2 | 1914.0 | 1921.9 | 1994.8 | 2051.7 | 2094.1 | 2160.3 | 2165.6 | 2151.1 |
| 30°    | 1613.3 | 1627.9 | 1688.8 | 1725.9 | 1768.3 | 1821.3 | 1903.4 | 1976.2 | 2035.8 | 2090.1 | 2108.7 |
| 32.5°  | 1363.0 | 1422.6 | 1458.3 | 1503.4 | 1540.5 | 1634.5 | 1735.2 | 1829.2 | 1898.1 | 1989.5 | 2029.2 |
| 35°    | 1133.8 | 1180.2 | 1241.1 | 1259.6 | 1327.2 | 1406.7 | 1537.8 | 1658.3 | 1763.0 | 1855.7 | 1936.5 |
| 37.5°  | 944.4  | 981.5  | 1046.4 | 1075.5 | 1115.3 | 1217.3 | 1327.2 | 1476.9 | 1602.7 | 1716.6 | 1817.3 |
| 40°    | 814.6  | 842.4  | 891.4  | 900.7  | 933.8  | 1026.5 | 1115.3 | 1255.7 | 1422.6 | 1576.2 | 1686.2 |
| 42.5°  | 725.9  | 739.1  | 772.2  | 784.1  | 805.3  | 867.6  | 947.1  | 1079.5 | 1234.5 | 1393.4 | 1548.4 |
| 45°    | 662.3  | 671.5  | 691.4  | 702.0  | 728.5  | 756.3  | 821.2  | 927.2  | 1049.0 | 1209.3 | 1376.2 |
| 47.5°  | 605.3  | 617.2  | 625.2  | 631.8  | 646.4  | 676.8  | 719.2  | 797.4  | 913.9  | 1061.0 | 1222.6 |
| 50°    | 557.6  | 561.6  | 576.2  | 577.5  | 586.8  | 606.6  | 646.4  | 694.1  | 786.8  | 906.0  | 1062.3 |
| 52.5°  | 510.0  | 513.9  | 523.2  | 532.5  | 536.4  | 552.3  | 578.8  | 618.6  | 687.4  | 781.5  | 920.6  |
| 55°    | 462.3  | 467.6  | 476.8  | 483.5  | 487.4  | 500.7  | 516.6  | 555.0  | 609.3  | 675.5  | 789.4  |
| 57.5°  | 414.6  | 426.5  | 429.2  | 433.1  | 439.8  | 454.3  | 468.9  | 491.4  | 533.8  | 594.7  | 678.2  |
| 60°    | 369.6  | 373.5  | 382.8  | 386.8  | 393.4  | 401.3  | 419.9  | 437.1  | 467.6  | 515.3  | 590.8  |
| 62.5°  | 323.2  | 332.5  | 336.4  | 340.4  | 345.7  | 355.0  | 366.9  | 385.4  | 411.9  | 450.3  | 510.0  |
| 65°    | 283.5  | 284.8  | 292.7  | 298.0  | 303.3  | 309.9  | 321.9  | 339.1  | 355.0  | 390.7  | 434.5  |
| 67.5°  | 245.0  | 247.7  | 250.3  | 255.6  | 262.3  | 268.9  | 279.5  | 288.8  | 308.6  | 332.5  | 366.9  |
| 70°    | 208.0  | 208.0  | 214.6  | 218.6  | 217.2  | 225.2  | 233.1  | 243.7  | 258.3  | 280.8  | 308.6  |
| 72.5°  | 174.8  | 173.5  | 178.8  | 180.1  | 182.8  | 188.1  | 193.4  | 204.0  | 211.9  | 229.1  | 250.3  |
| 75°    | 139.1  | 141.7  | 144.4  | 144.4  | 148.3  | 152.3  | 157.6  | 162.9  | 172.2  | 182.8  | 198.7  |
| 77.5°  | 109.9  | 109.9  | 112.6  | 113.9  | 117.9  | 116.6  | 121.9  | 127.2  | 133.8  | 143.1  | 155.0  |
| 80°    | 80.8   | 83.4   | 83.4   | 83.4   | 84.8   | 86.1   | 91.4   | 95.4   | 99.3   | 106.0  | 111.3  |
| 82.5°  | 57.0   | 57.0   | 59.6   | 59.6   | 59.6   | 62.3   | 62.3   | 63.6   | 66.2   | 70.2   | 74.2   |
| 85°    | 35.8   | 35.8   | 35.8   | 37.1   | 35.8   | 37.1   | 39.7   | 38.4   | 39.7   | 42.4   | 42.4   |
| 87.5°  | 17.2   | 17.2   | 17.2   | 17.2   | 17.2   | 18.5   | 17.2   | 18.5   | 19.9   | 19.9   | 19.9   |
| 90°    | 27.9   | 27.4   | 26.9   | 26.7   | 26.1   | 24.9   | 23.7   | 22.5   | 21.3   | 19.4   | 17.5   |
| 92.5°  | 28.3   | 28.1   | 27.8   | 27.7   | 27.5   | 27.0   | 26.5   | 26.1   | 25.6   | 24.9   | 24.2   |
| 95°    | 46.3   | 46.6   | 46.8   | 46.9   | 46.3   | 45.1   | 44.0   | 42.8   | 41.6   | 39.9   | 38.3   |
| 97.5°  | 58.2   | 58.0   | 57.7   | 57.6   | 57.2   | 56.5   | 55.8   | 55.1   | 54.4   | 50.6   | 46.8   |
| 100°   | 70.5   | 70.0   | 69.5   | 69.3   | 68.4   | 66.5   | 64.6   | 62.7   | 60.8   | 56.8   | 52.8   |
| 102.5° | 76.5   | 75.8   | 75.1   | 74.7   | 73.4   | 70.8   | 68.1   | 65.5   | 62.9   | 106.1  | 149.2  |
| 105°   | 79.2   | 78.2   | 77.3   | 76.8   | 75.5   | 72.9   | 70.3   | 67.7   | 65.1   | 129.8  | 194.5  |
| 107.5° | 81.3   | 80.3   | 79.4   | 78.9   | 77.6   | 75.0   | 72.4   | 69.8   | 67.2   | 147.1  | 227.0  |
| 110°   | 82.4   | 81.4   | 80.5   | 80.0   | 91.9   | 115.6  | 139.3  | 163.0  | 186.7  | 255.2  | 323.7  |

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**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 83.9   | 83.2   | 82.5   | 82.1   | 133.2  | 235.4  | 337.6  | 439.8  | 542.0  | 546.0  | 550.0  |
| 115°   | 121.6  | 138.7  | 155.8  | 164.3  | 219.2  | 328.9  | 438.7  | 548.4  | 658.2  | 652.3  | 646.4  |
| 117.5° | 408.0  | 470.1  | 532.2  | 563.3  | 580.3  | 614.2  | 648.1  | 682.0  | 715.9  | 711.9  | 707.8  |
| 120°   | 714.8  | 746.8  | 778.8  | 794.8  | 793.4  | 790.5  | 787.7  | 784.8  | 782.0  | 777.7  | 773.5  |
| 122.5° | 852.0  | 851.7  | 851.5  | 851.4  | 850.7  | 849.2  | 847.8  | 846.3  | 844.9  | 840.2  | 835.4  |
| 125°   | 910.8  | 910.1  | 909.4  | 909.0  | 908.2  | 906.5  | 904.8  | 903.2  | 901.5  | 897.0  | 892.5  |
| 127.5° | 965.0  | 964.8  | 964.5  | 964.4  | 963.2  | 960.9  | 958.5  | 956.2  | 953.8  | 950.2  | 946.7  |
| 130°   | 1015.0 | 1015.3 | 1015.5 | 1015.6 | 1014.3 | 1011.7 | 1009.1 | 1006.5 | 1003.9 | 1001.3 | 998.7  |
| 132.5° | 1063.1 | 1063.3 | 1063.6 | 1063.7 | 1062.6 | 1060.5 | 1058.4 | 1056.2 | 1054.1 | 1051.5 | 1048.9 |
| 135°   | 1109.4 | 1109.9 | 1110.4 | 1110.6 | 1109.4 | 1107.0 | 1104.7 | 1102.3 | 1099.9 | 1097.8 | 1095.6 |
| 137.5° | 1152.5 | 1153.2 | 1153.9 | 1154.3 | 1153.1 | 1150.8 | 1148.4 | 1146.1 | 1143.7 | 1141.3 | 1138.9 |
| 140°   | 1193.0 | 1194.1 | 1195.3 | 1195.9 | 1194.8 | 1192.7 | 1190.6 | 1188.4 | 1186.3 | 1183.7 | 1181.1 |
| 142.5° | 1231.4 | 1232.6 | 1233.8 | 1234.4 | 1233.4 | 1231.5 | 1229.6 | 1227.7 | 1225.8 | 1222.7 | 1219.6 |
| 145°   | 1266.6 | 1267.8 | 1269.0 | 1269.6 | 1268.8 | 1267.1 | 1265.4 | 1263.8 | 1262.1 | 1258.1 | 1254.1 |
| 147.5° | 1298.1 | 1299.1 | 1300.0 | 1300.5 | 1299.9 | 1298.7 | 1297.6 | 1296.4 | 1295.2 | 1291.2 | 1287.1 |
| 150°   | 1327.4 | 1328.6 | 1329.8 | 1330.4 | 1329.7 | 1328.3 | 1326.8 | 1325.4 | 1324.0 | 1320.2 | 1316.4 |
| 152.5° | 1352.9 | 1354.5 | 1356.2 | 1357.0 | 1356.3 | 1354.9 | 1353.4 | 1352.0 | 1350.6 | 1347.0 | 1343.5 |
| 155°   | 1375.8 | 1377.7 | 1379.6 | 1380.5 | 1379.8 | 1378.4 | 1376.9 | 1375.5 | 1374.1 | 1371.3 | 1368.4 |
| 157.5° | 1397.1 | 1399.0 | 1400.9 | 1401.8 | 1401.0 | 1399.3 | 1397.7 | 1396.0 | 1394.4 | 1392.3 | 1390.1 |
| 160°   | 1414.7 | 1416.4 | 1418.1 | 1418.9 | 1418.2 | 1416.8 | 1415.3 | 1413.9 | 1412.5 | 1411.1 | 1409.7 |
| 162.5° | 1430.7 | 1432.8 | 1434.9 | 1436.0 | 1435.2 | 1433.5 | 1431.8 | 1430.2 | 1428.5 | 1427.3 | 1426.1 |
| 165°   | 1444.6 | 1446.3 | 1448.0 | 1448.8 | 1448.0 | 1446.3 | 1444.6 | 1443.0 | 1441.3 | 1440.6 | 1439.9 |
| 167.5° | 1455.2 | 1457.3 | 1459.4 | 1460.5 | 1459.7 | 1458.0 | 1456.4 | 1454.7 | 1453.1 | 1452.4 | 1451.7 |
| 170°   | 1463.8 | 1465.9 | 1468.0 | 1469.1 | 1468.3 | 1466.6 | 1464.9 | 1463.3 | 1461.6 | 1461.1 | 1460.7 |
| 172.5° | 1470.2 | 1472.3 | 1474.4 | 1475.5 | 1474.7 | 1473.0 | 1471.3 | 1469.7 | 1468.0 | 1467.5 | 1467.1 |
| 175°   | 1473.8 | 1476.2 | 1478.5 | 1479.7 | 1478.9 | 1477.2 | 1475.6 | 1473.9 | 1472.3 | 1471.8 | 1471.3 |
| 177.5° | 1475.5 | 1477.6 | 1479.7 | 1480.8 | 1480.0 | 1478.3 | 1476.6 | 1475.0 | 1473.3 | 1473.1 | 1472.9 |
| 180°   | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 |
| 2.5°   | 1768.3 | 1761.7 | 1757.7 | 1760.3 | 1752.4 | 1732.5 | 1732.5 | 1739.1 | 1731.2 | 1723.2 | 1711.3 |
| 5°     | 1817.3 | 1804.0 | 1796.1 | 1794.8 | 1776.2 | 1744.4 | 1737.8 | 1731.2 | 1714.0 | 1695.4 | 1675.6 |
| 7.5°   | 1865.0 | 1841.1 | 1827.9 | 1818.6 | 1792.1 | 1751.1 | 1733.8 | 1719.3 | 1691.5 | 1663.6 | 1638.5 |
| 10°    | 1904.7 | 1870.3 | 1854.4 | 1839.8 | 1805.4 | 1753.7 | 1725.9 | 1699.4 | 1663.6 | 1627.9 | 1596.1 |
| 12.5°  | 1936.5 | 1896.8 | 1876.9 | 1855.7 | 1813.3 | 1745.8 | 1711.3 | 1668.9 | 1633.2 | 1585.5 | 1553.7 |
| 15°    | 1989.5 | 1907.4 | 1888.8 | 1868.9 | 1825.2 | 1732.5 | 1690.1 | 1642.4 | 1593.4 | 1529.9 | 1495.4 |
| 17.5°  | 2031.9 | 1921.9 | 1920.6 | 1878.2 | 1821.3 | 1727.2 | 1662.3 | 1600.1 | 1547.1 | 1483.5 | 1429.2 |
| 20°    | 2057.0 | 1944.4 | 1923.3 | 1879.5 | 1808.0 | 1691.5 | 1623.9 | 1555.0 | 1498.1 | 1421.2 | 1366.9 |
| 22.5°  | 2078.2 | 1976.2 | 1920.6 | 1867.6 | 1780.2 | 1679.5 | 1580.2 | 1515.3 | 1437.1 | 1353.7 | 1302.0 |
| 25°    | 2086.2 | 1982.9 | 1924.6 | 1863.6 | 1760.3 | 1645.1 | 1532.5 | 1462.3 | 1374.9 | 1299.4 | 1229.2 |
| 27.5°  | 2087.5 | 1981.5 | 1910.0 | 1846.4 | 1732.5 | 1600.1 | 1484.8 | 1410.6 | 1314.0 | 1226.5 | 1156.3 |
| 30°    | 2074.3 | 1967.0 | 1902.1 | 1833.2 | 1706.0 | 1559.0 | 1426.5 | 1344.4 | 1241.1 | 1153.7 | 1080.8 |
| 32.5°  | 2034.5 | 1937.8 | 1884.8 | 1809.3 | 1671.6 | 1502.0 | 1370.9 | 1279.5 | 1170.9 | 1084.8 | 1014.6 |
| 35°    | 1968.3 | 1902.1 | 1843.8 | 1773.6 | 1626.6 | 1449.1 | 1315.3 | 1208.0 | 1098.1 | 1015.9 | 949.7  |
| 37.5°  | 1886.2 | 1850.4 | 1796.1 | 1727.2 | 1574.9 | 1401.4 | 1253.0 | 1133.8 | 1023.9 | 944.4  | 879.5  |
| 40°    | 1774.9 | 1784.2 | 1731.2 | 1668.9 | 1514.0 | 1336.5 | 1172.2 | 1058.3 | 955.0  | 880.8  | 817.2  |
| 42.5°  | 1654.4 | 1692.8 | 1662.3 | 1602.7 | 1446.4 | 1264.9 | 1112.6 | 986.8  | 886.1  | 809.3  | 756.3  |
| 45°    | 1524.6 | 1590.8 | 1572.2 | 1528.5 | 1376.2 | 1189.4 | 1027.9 | 906.0  | 817.2  | 743.1  | 696.7  |
| 47.5°  | 1382.8 | 1476.9 | 1476.9 | 1445.1 | 1298.1 | 1113.9 | 955.0  | 830.5  | 743.1  | 690.1  | 645.1  |
| 50°    | 1238.5 | 1344.4 | 1361.6 | 1340.4 | 1210.6 | 1027.9 | 866.3  | 753.7  | 678.2  | 626.5  | 593.4  |
| 52.5°  | 1087.5 | 1210.6 | 1242.4 | 1231.8 | 1117.9 | 945.7  | 793.4  | 683.5  | 614.6  | 569.6  | 540.4  |
| 55°    | 943.1  | 1086.1 | 1120.6 | 1124.5 | 1018.6 | 855.7  | 712.6  | 615.9  | 549.7  | 519.2  | 494.1  |
| 57.5°  | 806.7  | 944.4  | 982.8  | 989.4  | 917.9  | 773.5  | 637.1  | 552.3  | 492.7  | 467.6  | 447.7  |
| 60°    | 690.1  | 805.3  | 855.7  | 870.2  | 808.0  | 678.2  | 566.9  | 484.8  | 439.8  | 415.9  | 397.4  |
| 62.5°  | 594.7  | 687.4  | 740.4  | 744.4  | 716.6  | 594.7  | 494.1  | 425.2  | 386.8  | 365.6  | 356.3  |
| 65°    | 502.0  | 585.5  | 617.2  | 633.1  | 610.6  | 515.3  | 426.5  | 369.6  | 339.1  | 320.5  | 311.3  |
| 67.5°  | 427.8  | 480.8  | 507.3  | 528.5  | 506.0  | 434.5  | 362.9  | 316.6  | 294.1  | 275.5  | 270.2  |
| 70°    | 351.0  | 394.7  | 414.6  | 435.8  | 415.9  | 361.6  | 309.9  | 267.6  | 247.7  | 233.1  | 226.5  |
| 72.5°  | 280.8  | 315.2  | 333.8  | 347.0  | 335.1  | 290.1  | 247.7  | 218.6  | 204.0  | 193.4  | 189.4  |
| 75°    | 222.5  | 246.4  | 257.0  | 266.2  | 260.9  | 226.5  | 200.0  | 176.2  | 162.9  | 153.6  | 151.0  |
| 77.5°  | 169.5  | 186.8  | 198.7  | 201.3  | 194.7  | 172.2  | 149.7  | 135.1  | 124.5  | 119.2  | 116.6  |
| 80°    | 120.5  | 131.1  | 137.8  | 141.7  | 135.1  | 125.8  | 109.9  | 99.3   | 90.1   | 83.4   | 82.1   |
| 82.5°  | 80.8   | 86.1   | 91.4   | 90.1   | 87.4   | 79.5   | 70.2   | 64.9   | 60.9   | 55.6   | 55.6   |
| 85°    | 46.4   | 47.7   | 50.3   | 51.7   | 50.3   | 45.0   | 39.7   | 37.1   | 34.4   | 30.5   | 30.5   |
| 87.5°  | 19.9   | 21.2   | 21.2   | 22.5   | 19.9   | 19.9   | 17.2   | 14.6   | 14.6   | 13.2   | 11.9   |
| 90°    | 15.6   | 13.7   | 12.8   | 11.5   | 8.9    | 6.3    | 3.7    | 1.1    | 3.7    | 6.3    | 8.9    |
| 92.5°  | 23.5   | 22.8   | 22.4   | 22.9   | 23.8   | 24.8   | 25.7   | 26.7   | 25.7   | 24.8   | 23.8   |
| 95°    | 36.6   | 34.9   | 34.1   | 38.0   | 45.8   | 53.7   | 61.5   | 69.3   | 61.5   | 53.7   | 45.8   |
| 97.5°  | 43.0   | 39.2   | 37.3   | 47.0   | 66.5   | 85.9   | 105.4  | 124.8  | 105.4  | 85.9   | 66.5   |
| 100°   | 48.7   | 44.7   | 42.7   | 58.9   | 91.4   | 123.9  | 156.3  | 188.8  | 156.3  | 123.9  | 91.4   |
| 102.5° | 192.4  | 235.5  | 257.1  | 257.3  | 257.8  | 258.3  | 258.7  | 259.2  | 258.7  | 258.3  | 257.8  |
| 105°   | 259.2  | 323.9  | 356.3  | 352.7  | 345.6  | 338.5  | 331.4  | 324.3  | 331.4  | 338.5  | 345.6  |
| 107.5° | 306.9  | 386.8  | 426.7  | 423.7  | 417.8  | 411.9  | 406.0  | 400.1  | 406.0  | 411.9  | 417.8  |
| 110°   | 392.2  | 460.7  | 495.0  | 492.5  | 487.5  | 482.6  | 477.6  | 472.6  | 477.6  | 482.6  | 487.5  |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 554.1  | 558.1  | 560.1  | 558.0  | 553.7  | 549.4  | 545.2  | 540.9  | 545.2  | 549.4  | 553.7  |
| 115°   | 640.5  | 634.6  | 631.6  | 629.6  | 625.5  | 621.5  | 617.4  | 613.4  | 617.4  | 621.5  | 625.5  |
| 117.5° | 703.8  | 699.7  | 697.7  | 695.3  | 690.6  | 685.9  | 681.1  | 676.4  | 681.1  | 685.9  | 690.6  |
| 120°   | 769.2  | 764.9  | 762.8  | 761.0  | 757.5  | 753.9  | 750.4  | 746.8  | 750.4  | 753.9  | 757.5  |
| 122.5° | 830.7  | 826.0  | 823.6  | 821.7  | 817.9  | 814.1  | 810.3  | 806.5  | 810.3  | 814.1  | 817.9  |
| 125°   | 888.0  | 883.5  | 881.2  | 879.7  | 876.6  | 873.5  | 870.5  | 867.4  | 870.5  | 873.5  | 876.6  |
| 127.5° | 943.1  | 939.6  | 937.8  | 936.1  | 932.8  | 929.5  | 926.1  | 922.8  | 926.1  | 929.5  | 932.8  |
| 130°   | 996.1  | 993.5  | 992.2  | 990.3  | 986.5  | 982.7  | 978.9  | 975.1  | 978.9  | 982.7  | 986.5  |
| 132.5° | 1046.2 | 1043.6 | 1042.3 | 1040.8 | 1037.7 | 1034.6 | 1031.5 | 1028.4 | 1031.5 | 1034.6 | 1037.7 |
| 135°   | 1093.5 | 1091.4 | 1090.3 | 1088.4 | 1084.6 | 1080.9 | 1077.1 | 1073.3 | 1077.1 | 1080.9 | 1084.6 |
| 137.5° | 1136.6 | 1134.2 | 1133.0 | 1131.6 | 1128.7 | 1125.9 | 1123.0 | 1120.2 | 1123.0 | 1125.9 | 1128.7 |
| 140°   | 1178.5 | 1175.9 | 1174.6 | 1173.7 | 1171.8 | 1169.9 | 1168.0 | 1166.1 | 1168.0 | 1169.9 | 1171.8 |
| 142.5° | 1216.5 | 1213.4 | 1211.9 | 1211.1 | 1209.4 | 1207.8 | 1206.1 | 1204.5 | 1206.1 | 1207.8 | 1209.4 |
| 145°   | 1250.0 | 1246.0 | 1244.0 | 1244.1 | 1244.3 | 1244.6 | 1244.8 | 1245.0 | 1244.8 | 1244.6 | 1244.3 |
| 147.5° | 1283.1 | 1279.0 | 1277.0 | 1277.4 | 1278.1 | 1278.8 | 1279.5 | 1280.2 | 1279.5 | 1278.8 | 1278.1 |
| 150°   | 1312.6 | 1308.8 | 1306.9 | 1307.7 | 1309.4 | 1311.1 | 1312.7 | 1314.4 | 1312.7 | 1311.1 | 1309.4 |
| 152.5° | 1339.9 | 1336.4 | 1334.6 | 1335.6 | 1337.5 | 1339.4 | 1341.3 | 1343.2 | 1341.3 | 1339.4 | 1337.5 |
| 155°   | 1365.6 | 1362.7 | 1361.3 | 1362.4 | 1364.5 | 1366.6 | 1368.8 | 1370.9 | 1368.8 | 1366.6 | 1364.5 |
| 157.5° | 1388.0 | 1385.9 | 1384.8 | 1385.7 | 1387.6 | 1389.5 | 1391.4 | 1393.3 | 1391.4 | 1389.5 | 1387.6 |
| 160°   | 1408.2 | 1406.8 | 1406.1 | 1406.8 | 1408.2 | 1409.7 | 1411.1 | 1412.5 | 1411.1 | 1409.7 | 1408.2 |
| 162.5° | 1425.0 | 1423.8 | 1423.2 | 1423.9 | 1425.3 | 1426.8 | 1428.2 | 1429.6 | 1428.2 | 1426.8 | 1425.3 |
| 165°   | 1439.2 | 1438.5 | 1438.1 | 1438.8 | 1440.2 | 1441.7 | 1443.1 | 1444.5 | 1443.1 | 1441.7 | 1440.2 |
| 167.5° | 1451.0 | 1450.3 | 1449.9 | 1450.6 | 1452.0 | 1453.5 | 1454.9 | 1456.3 | 1454.9 | 1453.5 | 1452.0 |
| 170°   | 1460.2 | 1459.7 | 1459.5 | 1460.2 | 1461.6 | 1463.1 | 1464.5 | 1465.9 | 1464.5 | 1463.1 | 1461.6 |
| 172.5° | 1466.6 | 1466.1 | 1465.9 | 1466.6 | 1468.0 | 1469.5 | 1470.9 | 1472.3 | 1470.9 | 1469.5 | 1468.0 |
| 175°   | 1470.8 | 1470.3 | 1470.1 | 1470.9 | 1472.6 | 1474.3 | 1475.9 | 1477.6 | 1475.9 | 1474.3 | 1472.6 |
| 177.5° | 1472.6 | 1472.4 | 1472.3 | 1473.1 | 1474.8 | 1476.4 | 1478.1 | 1479.7 | 1478.1 | 1476.4 | 1474.8 |
| 180°   | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 |

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**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 |
| 2.5°   | 1704.7 | 1711.3 | 1710.0 | 1696.8 | 1682.2 | 1670.3 | 1647.7 | 1650.4 | 1642.4 | 1643.8 | 1651.7 |
| 5°     | 1662.3 | 1662.3 | 1657.0 | 1638.5 | 1614.6 | 1601.4 | 1576.2 | 1569.6 | 1553.7 | 1552.4 | 1551.1 |
| 7.5°   | 1617.3 | 1610.7 | 1604.0 | 1577.5 | 1548.4 | 1527.2 | 1492.8 | 1484.8 | 1468.9 | 1458.3 | 1453.0 |
| 10°    | 1564.3 | 1555.0 | 1541.8 | 1511.3 | 1475.6 | 1449.1 | 1413.3 | 1402.7 | 1372.2 | 1359.0 | 1351.0 |
| 12.5°  | 1506.0 | 1500.7 | 1479.5 | 1454.4 | 1396.1 | 1366.9 | 1315.3 | 1325.9 | 1295.4 | 1268.9 | 1264.9 |
| 15°    | 1447.7 | 1427.9 | 1415.9 | 1374.9 | 1304.7 | 1291.4 | 1250.4 | 1229.2 | 1201.4 | 1180.2 | 1180.2 |
| 17.5°  | 1390.8 | 1360.3 | 1333.8 | 1290.1 | 1238.5 | 1201.4 | 1170.9 | 1160.3 | 1125.9 | 1104.7 | 1100.7 |
| 20°    | 1315.3 | 1280.8 | 1274.2 | 1212.0 | 1176.2 | 1135.1 | 1106.0 | 1079.5 | 1054.3 | 1045.1 | 1038.4 |
| 22.5°  | 1243.8 | 1204.0 | 1193.4 | 1140.4 | 1104.7 | 1063.6 | 1034.5 | 1015.9 | 997.4  | 990.8  | 978.8  |
| 25°    | 1166.9 | 1143.1 | 1127.2 | 1070.2 | 1030.5 | 992.1  | 972.2  | 959.0  | 941.8  | 940.4  | 932.5  |
| 27.5°  | 1092.8 | 1070.2 | 1054.3 | 1000.0 | 970.9  | 935.1  | 919.2  | 904.7  | 895.4  | 891.4  | 887.5  |
| 30°    | 1029.2 | 1004.0 | 985.5  | 945.7  | 910.0  | 880.8  | 867.6  | 858.3  | 853.0  | 846.4  | 845.1  |
| 32.5°  | 959.0  | 944.4  | 919.2  | 888.8  | 861.0  | 833.1  | 825.2  | 818.6  | 810.6  | 808.0  | 806.7  |
| 35°    | 899.4  | 879.5  | 863.6  | 829.2  | 817.2  | 793.4  | 784.1  | 778.8  | 768.2  | 765.6  | 762.9  |
| 37.5°  | 841.1  | 822.5  | 805.3  | 784.1  | 761.6  | 748.4  | 743.1  | 735.1  | 729.8  | 731.2  | 728.5  |
| 40°    | 782.8  | 768.2  | 755.0  | 732.5  | 719.2  | 712.6  | 702.0  | 694.1  | 691.4  | 692.7  | 691.4  |
| 42.5°  | 725.9  | 712.6  | 704.7  | 687.4  | 674.2  | 667.6  | 661.0  | 653.0  | 657.0  | 657.0  | 661.0  |
| 45°    | 674.2  | 662.3  | 657.0  | 643.7  | 635.8  | 625.2  | 618.6  | 617.2  | 622.5  | 621.2  | 621.2  |
| 47.5°  | 621.2  | 617.2  | 610.6  | 598.7  | 588.1  | 581.5  | 580.2  | 580.2  | 585.5  | 588.1  | 586.8  |
| 50°    | 580.2  | 572.2  | 564.3  | 555.0  | 547.0  | 544.4  | 540.4  | 543.1  | 548.4  | 548.4  | 551.0  |
| 52.5°  | 528.5  | 523.2  | 520.5  | 512.6  | 507.3  | 507.3  | 507.3  | 508.6  | 512.6  | 516.6  | 515.3  |
| 55°    | 483.5  | 479.5  | 476.8  | 472.9  | 466.2  | 467.6  | 466.2  | 468.9  | 472.9  | 476.8  | 479.5  |
| 57.5°  | 435.8  | 434.5  | 431.8  | 425.2  | 425.2  | 423.9  | 427.8  | 429.2  | 435.8  | 438.4  | 442.4  |
| 60°    | 393.4  | 389.4  | 389.4  | 384.1  | 384.1  | 384.1  | 388.1  | 392.1  | 397.4  | 398.7  | 401.3  |
| 62.5°  | 348.4  | 348.4  | 347.0  | 343.1  | 343.1  | 347.0  | 348.4  | 353.7  | 356.3  | 356.3  | 360.3  |
| 65°    | 306.0  | 304.6  | 303.3  | 304.6  | 306.0  | 306.0  | 309.9  | 312.6  | 315.2  | 316.6  | 317.9  |
| 67.5°  | 263.6  | 262.3  | 264.9  | 263.6  | 266.2  | 271.5  | 270.2  | 274.2  | 278.2  | 278.2  | 279.5  |
| 70°    | 223.8  | 226.5  | 225.2  | 227.8  | 226.5  | 229.1  | 233.1  | 234.4  | 234.4  | 235.8  | 239.7  |
| 72.5°  | 186.8  | 186.8  | 186.8  | 185.4  | 186.8  | 189.4  | 192.1  | 193.4  | 196.0  | 197.4  | 201.3  |
| 75°    | 151.0  | 151.0  | 148.3  | 151.0  | 151.0  | 153.6  | 156.3  | 156.3  | 156.3  | 158.9  | 162.9  |
| 77.5°  | 113.9  | 115.2  | 113.9  | 116.6  | 116.6  | 117.9  | 120.5  | 119.2  | 121.9  | 123.2  | 124.5  |
| 80°    | 83.4   | 82.1   | 82.1   | 82.1   | 83.4   | 83.4   | 86.1   | 87.4   | 87.4   | 91.4   | 88.7   |
| 82.5°  | 53.0   | 54.3   | 53.0   | 54.3   | 54.3   | 55.6   | 54.3   | 55.6   | 57.0   | 59.6   | 58.3   |
| 85°    | 30.5   | 29.1   | 29.1   | 30.5   | 29.1   | 29.1   | 30.5   | 29.1   | 30.5   | 29.1   | 30.5   |
| 87.5°  | 11.9   | 10.6   | 10.6   | 10.6   | 10.6   | 9.3    | 9.3    | 7.9    | 7.9    | 7.9    | 6.6    |
| 90°    | 11.5   | 12.8   | 13.7   | 15.6   | 17.5   | 19.4   | 21.3   | 22.5   | 23.7   | 24.9   | 26.1   |
| 92.5°  | 22.9   | 22.4   | 22.8   | 23.5   | 24.2   | 24.9   | 25.6   | 26.1   | 26.5   | 27.0   | 27.5   |
| 95°    | 38.0   | 34.1   | 34.9   | 36.6   | 38.3   | 39.9   | 41.6   | 42.8   | 44.0   | 45.1   | 46.3   |
| 97.5°  | 47.0   | 37.3   | 39.2   | 43.0   | 46.8   | 50.6   | 54.4   | 55.1   | 55.8   | 56.5   | 57.2   |
| 100°   | 58.9   | 42.7   | 44.7   | 48.7   | 52.8   | 56.8   | 60.8   | 62.7   | 64.6   | 66.5   | 68.4   |
| 102.5° | 257.3  | 257.1  | 235.5  | 192.4  | 149.2  | 106.1  | 62.9   | 65.5   | 68.1   | 70.8   | 73.4   |
| 105°   | 352.7  | 356.3  | 323.9  | 259.2  | 194.5  | 129.8  | 65.1   | 67.7   | 70.3   | 72.9   | 75.5   |
| 107.5° | 423.7  | 426.7  | 386.8  | 306.9  | 227.0  | 147.1  | 67.2   | 69.8   | 72.4   | 75.0   | 77.6   |
| 110°   | 492.5  | 495.0  | 460.7  | 392.2  | 323.7  | 255.2  | 186.7  | 163.0  | 139.3  | 115.6  | 91.9   |

TEST NUMBER: P1008221

CATALOG NUMBER: S122DIP-B865D1080UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 558.0  | 560.1  | 558.1  | 554.1  | 550.0  | 546.0  | 542.0  | 439.8  | 337.6  | 235.4  | 133.2  |
| 115°   | 629.6  | 631.6  | 634.6  | 640.5  | 646.4  | 652.3  | 658.2  | 548.4  | 438.7  | 328.9  | 219.2  |
| 117.5° | 695.3  | 697.7  | 699.7  | 703.8  | 707.8  | 711.9  | 715.9  | 682.0  | 648.1  | 614.2  | 580.3  |
| 120°   | 761.0  | 762.8  | 764.9  | 769.2  | 773.5  | 777.7  | 782.0  | 784.8  | 787.7  | 790.5  | 793.4  |
| 122.5° | 821.7  | 823.6  | 826.0  | 830.7  | 835.4  | 840.2  | 844.9  | 846.3  | 847.8  | 849.2  | 850.7  |
| 125°   | 879.7  | 881.2  | 883.5  | 888.0  | 892.5  | 897.0  | 901.5  | 903.2  | 904.8  | 906.5  | 908.2  |
| 127.5° | 936.1  | 937.8  | 939.6  | 943.1  | 946.7  | 950.2  | 953.8  | 956.2  | 958.5  | 960.9  | 963.2  |
| 130°   | 990.3  | 992.2  | 993.5  | 996.1  | 998.7  | 1001.3 | 1003.9 | 1006.5 | 1009.1 | 1011.7 | 1014.3 |
| 132.5° | 1040.8 | 1042.3 | 1043.6 | 1046.2 | 1048.9 | 1051.5 | 1054.1 | 1056.2 | 1058.4 | 1060.5 | 1062.6 |
| 135°   | 1088.4 | 1090.3 | 1091.4 | 1093.5 | 1095.6 | 1097.8 | 1099.9 | 1102.3 | 1104.7 | 1107.0 | 1109.4 |
| 137.5° | 1131.6 | 1133.0 | 1134.2 | 1136.6 | 1138.9 | 1141.3 | 1143.7 | 1146.1 | 1148.4 | 1150.8 | 1153.1 |
| 140°   | 1173.7 | 1174.6 | 1175.9 | 1178.5 | 1181.1 | 1183.7 | 1186.3 | 1188.4 | 1190.6 | 1192.7 | 1194.8 |
| 142.5° | 1211.1 | 1211.9 | 1213.4 | 1216.5 | 1219.6 | 1222.7 | 1225.8 | 1227.7 | 1229.6 | 1231.5 | 1233.4 |
| 145°   | 1244.1 | 1244.0 | 1246.0 | 1250.0 | 1254.1 | 1258.1 | 1262.1 | 1263.8 | 1265.4 | 1267.1 | 1268.8 |
| 147.5° | 1277.4 | 1277.0 | 1279.0 | 1283.1 | 1287.1 | 1291.2 | 1295.2 | 1296.4 | 1297.6 | 1298.7 | 1299.9 |
| 150°   | 1307.7 | 1306.9 | 1308.8 | 1312.6 | 1316.4 | 1320.2 | 1324.0 | 1325.4 | 1326.8 | 1328.3 | 1329.7 |
| 152.5° | 1335.6 | 1334.6 | 1336.4 | 1339.9 | 1343.5 | 1347.0 | 1350.6 | 1352.0 | 1353.4 | 1354.9 | 1356.3 |
| 155°   | 1362.4 | 1361.3 | 1362.7 | 1365.6 | 1368.4 | 1371.3 | 1374.1 | 1375.5 | 1376.9 | 1378.4 | 1379.8 |
| 157.5° | 1385.7 | 1384.8 | 1385.9 | 1388.0 | 1390.1 | 1392.3 | 1394.4 | 1396.0 | 1397.7 | 1399.3 | 1401.0 |
| 160°   | 1406.8 | 1406.1 | 1406.8 | 1408.2 | 1409.7 | 1411.1 | 1412.5 | 1413.9 | 1415.3 | 1416.8 | 1418.2 |
| 162.5° | 1423.9 | 1423.2 | 1423.8 | 1425.0 | 1426.1 | 1427.3 | 1428.5 | 1430.2 | 1431.8 | 1433.5 | 1435.2 |
| 165°   | 1438.8 | 1438.1 | 1438.5 | 1439.2 | 1439.9 | 1440.6 | 1441.3 | 1443.0 | 1444.6 | 1446.3 | 1448.0 |
| 167.5° | 1450.6 | 1449.9 | 1450.3 | 1451.0 | 1451.7 | 1452.4 | 1453.1 | 1454.7 | 1456.4 | 1458.0 | 1459.7 |
| 170°   | 1460.2 | 1459.5 | 1459.7 | 1460.2 | 1460.7 | 1461.1 | 1461.6 | 1463.3 | 1464.9 | 1466.6 | 1468.3 |
| 172.5° | 1466.6 | 1465.9 | 1466.1 | 1466.6 | 1467.1 | 1467.5 | 1468.0 | 1469.7 | 1471.3 | 1473.0 | 1474.7 |
| 175°   | 1470.9 | 1470.1 | 1470.3 | 1470.8 | 1471.3 | 1471.8 | 1472.3 | 1473.9 | 1475.6 | 1477.2 | 1478.9 |
| 177.5° | 1473.1 | 1472.3 | 1472.4 | 1472.6 | 1472.9 | 1473.1 | 1473.3 | 1475.0 | 1476.6 | 1478.3 | 1480.0 |
| 180°   | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 |

TEST NUMBER: P1008221

CATALOG NUMBER: S122DIP-B865D1080UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 |
| 2.5°   | 1642.4 | 1646.4 | 1637.1 | 1634.5 | 1637.1 | 1627.9 | 1630.5 | 1633.2 | 1633.2 | 1637.1 | 1639.8 |
| 5°     | 1547.1 | 1541.8 | 1532.5 | 1529.9 | 1527.2 | 1531.2 | 1528.5 | 1532.5 | 1533.8 | 1543.1 | 1544.4 |
| 7.5°   | 1453.0 | 1445.1 | 1437.1 | 1429.2 | 1426.5 | 1419.9 | 1426.5 | 1426.5 | 1435.8 | 1433.2 | 1439.8 |
| 10°    | 1341.8 | 1340.4 | 1329.9 | 1325.9 | 1320.6 | 1310.0 | 1324.6 | 1320.6 | 1327.2 | 1339.1 | 1341.8 |
| 12.5°  | 1259.6 | 1245.1 | 1251.7 | 1233.2 | 1239.8 | 1229.2 | 1230.5 | 1230.5 | 1241.1 | 1242.4 | 1239.8 |
| 15°    | 1181.5 | 1169.6 | 1152.4 | 1144.4 | 1140.4 | 1135.1 | 1152.4 | 1153.7 | 1145.7 | 1164.3 | 1157.7 |
| 17.5°  | 1102.0 | 1102.0 | 1086.1 | 1082.2 | 1071.6 | 1076.9 | 1074.2 | 1075.5 | 1072.9 | 1086.1 | 1092.8 |
| 20°    | 1033.2 | 1026.5 | 1021.2 | 1022.6 | 1009.3 | 1006.7 | 1004.0 | 1006.7 | 1015.9 | 1025.2 | 1027.9 |
| 22.5°  | 977.5  | 973.5  | 960.3  | 963.0  | 952.4  | 956.3  | 953.7  | 960.3  | 961.6  | 961.6  | 970.9  |
| 25°    | 924.5  | 919.2  | 920.6  | 915.3  | 911.3  | 911.3  | 907.3  | 911.3  | 916.6  | 919.2  | 920.6  |
| 27.5°  | 884.8  | 880.8  | 874.2  | 870.2  | 872.9  | 866.3  | 871.6  | 875.5  | 875.5  | 872.9  | 875.5  |
| 30°    | 837.1  | 839.8  | 839.8  | 826.5  | 831.8  | 829.2  | 833.1  | 835.8  | 835.8  | 837.1  | 834.5  |
| 32.5°  | 805.3  | 797.4  | 796.1  | 794.7  | 794.7  | 789.4  | 789.4  | 793.4  | 794.7  | 796.1  | 800.0  |
| 35°    | 762.9  | 762.9  | 756.3  | 760.3  | 755.0  | 756.3  | 755.0  | 756.3  | 759.0  | 755.0  | 759.0  |
| 37.5°  | 724.5  | 725.9  | 723.2  | 725.9  | 727.2  | 724.5  | 721.9  | 727.2  | 724.5  | 724.5  | 721.9  |
| 40°    | 691.4  | 690.1  | 691.4  | 691.4  | 691.4  | 692.7  | 690.1  | 690.1  | 690.1  | 687.4  | 684.8  |
| 42.5°  | 663.6  | 655.7  | 658.3  | 659.6  | 655.7  | 655.7  | 657.0  | 655.7  | 659.6  | 651.7  | 651.7  |
| 45°    | 623.9  | 621.2  | 622.5  | 622.5  | 625.2  | 621.2  | 623.9  | 625.2  | 621.2  | 619.9  | 617.2  |
| 47.5°  | 588.1  | 590.8  | 588.1  | 590.8  | 590.8  | 593.4  | 588.1  | 589.4  | 590.8  | 585.5  | 581.5  |
| 50°    | 552.3  | 552.3  | 556.3  | 555.0  | 556.3  | 553.7  | 553.7  | 552.3  | 553.7  | 551.0  | 547.0  |
| 52.5°  | 519.2  | 515.3  | 521.9  | 520.5  | 519.2  | 517.9  | 516.6  | 517.9  | 515.3  | 512.6  | 512.6  |
| 55°    | 478.2  | 478.2  | 482.1  | 483.5  | 483.5  | 480.8  | 478.2  | 479.5  | 478.2  | 476.8  | 475.5  |
| 57.5°  | 445.0  | 439.8  | 442.4  | 443.7  | 443.7  | 439.8  | 442.4  | 439.8  | 439.8  | 441.1  | 437.1  |
| 60°    | 402.7  | 402.7  | 400.0  | 404.0  | 404.0  | 401.3  | 401.3  | 402.7  | 400.0  | 398.7  | 397.4  |
| 62.5°  | 357.6  | 359.0  | 362.9  | 364.3  | 365.6  | 362.9  | 360.3  | 361.6  | 361.6  | 357.6  | 359.0  |
| 65°    | 319.2  | 321.9  | 327.2  | 325.8  | 323.2  | 324.5  | 321.9  | 323.2  | 319.2  | 320.5  | 316.6  |
| 67.5°  | 282.1  | 280.8  | 282.1  | 282.1  | 284.8  | 283.5  | 280.8  | 280.8  | 279.5  | 283.5  | 279.5  |
| 70°    | 242.4  | 242.4  | 242.4  | 242.4  | 243.7  | 245.0  | 242.4  | 239.7  | 241.1  | 238.4  | 237.1  |
| 72.5°  | 201.3  | 202.7  | 201.3  | 204.0  | 200.0  | 202.7  | 202.7  | 201.3  | 200.0  | 200.0  | 200.0  |
| 75°    | 162.9  | 165.6  | 161.6  | 162.9  | 161.6  | 164.2  | 162.9  | 162.9  | 160.3  | 158.9  | 160.3  |
| 77.5°  | 124.5  | 125.8  | 123.2  | 124.5  | 123.2  | 124.5  | 124.5  | 123.2  | 123.2  | 123.2  | 123.2  |
| 80°    | 88.7   | 90.1   | 88.7   | 87.4   | 86.1   | 88.7   | 86.1   | 87.4   | 88.7   | 87.4   | 90.1   |
| 82.5°  | 57.0   | 57.0   | 55.6   | 57.0   | 54.3   | 54.3   | 55.6   | 55.6   | 54.3   | 57.0   | 54.3   |
| 85°    | 27.8   | 27.8   | 30.5   | 27.8   | 26.5   | 26.5   | 26.5   | 27.8   | 26.5   | 29.1   | 27.8   |
| 87.5°  | 6.6    | 5.3    | 6.6    | 6.6    | 5.3    | 5.3    | 6.6    | 5.3    | 6.6    | 7.9    | 5.3    |
| 90°    | 26.7   | 26.9   | 27.4   | 27.9   | 28.3   | 28.8   | 28.3   | 27.9   | 27.4   | 26.9   | 26.7   |
| 92.5°  | 27.7   | 27.8   | 28.1   | 28.3   | 28.6   | 28.8   | 28.6   | 28.3   | 28.1   | 27.8   | 27.7   |
| 95°    | 46.9   | 46.8   | 46.6   | 46.3   | 46.1   | 45.9   | 46.1   | 46.3   | 46.6   | 46.8   | 46.9   |
| 97.5°  | 57.6   | 57.7   | 58.0   | 58.2   | 58.5   | 58.7   | 58.5   | 58.2   | 58.0   | 57.7   | 57.6   |
| 100°   | 69.3   | 69.5   | 70.0   | 70.5   | 71.0   | 71.5   | 71.0   | 70.5   | 70.0   | 69.5   | 69.3   |
| 102.5° | 74.7   | 75.1   | 75.8   | 76.5   | 77.2   | 77.9   | 77.2   | 76.5   | 75.8   | 75.1   | 74.7   |
| 105°   | 76.8   | 77.3   | 78.2   | 79.2   | 80.1   | 81.1   | 80.1   | 79.2   | 78.2   | 77.3   | 76.8   |
| 107.5° | 78.9   | 79.4   | 80.3   | 81.3   | 82.2   | 83.2   | 82.2   | 81.3   | 80.3   | 79.4   | 78.9   |
| 110°   | 80.0   | 80.5   | 81.4   | 82.4   | 83.3   | 84.3   | 83.3   | 82.4   | 81.4   | 80.5   | 80.0   |

TEST NUMBER: P1008221

CATALOG NUMBER: S122DIP-B865D1080UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 82.1   | 82.5   | 83.2   | 83.9   | 84.6   | 85.3   | 84.6   | 83.9   | 83.2   | 82.5   | 82.1   |
| 115°   | 164.3  | 155.8  | 138.7  | 121.6  | 104.6  | 87.5   | 104.6  | 121.6  | 138.7  | 155.8  | 164.3  |
| 117.5° | 563.3  | 532.2  | 470.1  | 408.0  | 345.9  | 283.8  | 345.9  | 408.0  | 470.1  | 532.2  | 563.3  |
| 120°   | 794.8  | 778.8  | 746.8  | 714.8  | 682.8  | 650.8  | 682.8  | 714.8  | 746.8  | 778.8  | 794.8  |
| 122.5° | 851.4  | 851.5  | 851.7  | 852.0  | 852.2  | 852.4  | 852.2  | 852.0  | 851.7  | 851.5  | 851.4  |
| 125°   | 909.0  | 909.4  | 910.1  | 910.8  | 911.5  | 912.2  | 911.5  | 910.8  | 910.1  | 909.4  | 909.0  |
| 127.5° | 964.4  | 964.5  | 964.8  | 965.0  | 965.3  | 965.5  | 965.3  | 965.0  | 964.8  | 964.5  | 964.4  |
| 130°   | 1015.6 | 1015.5 | 1015.3 | 1015.0 | 1014.8 | 1014.6 | 1014.8 | 1015.0 | 1015.3 | 1015.5 | 1015.6 |
| 132.5° | 1063.7 | 1063.6 | 1063.3 | 1063.1 | 1062.8 | 1062.6 | 1062.8 | 1063.1 | 1063.3 | 1063.6 | 1063.7 |
| 135°   | 1110.6 | 1110.4 | 1109.9 | 1109.4 | 1109.0 | 1108.5 | 1109.0 | 1109.4 | 1109.9 | 1110.4 | 1110.6 |
| 137.5° | 1154.3 | 1153.9 | 1153.2 | 1152.5 | 1151.8 | 1151.1 | 1151.8 | 1152.5 | 1153.2 | 1153.9 | 1154.3 |
| 140°   | 1195.9 | 1195.3 | 1194.1 | 1193.0 | 1191.8 | 1190.6 | 1191.8 | 1193.0 | 1194.1 | 1195.3 | 1195.9 |
| 142.5° | 1234.4 | 1233.8 | 1232.6 | 1231.4 | 1230.2 | 1229.0 | 1230.2 | 1231.4 | 1232.6 | 1233.8 | 1234.4 |
| 145°   | 1269.6 | 1269.0 | 1267.8 | 1266.6 | 1265.4 | 1264.2 | 1265.4 | 1266.6 | 1267.8 | 1269.0 | 1269.6 |
| 147.5° | 1300.5 | 1300.0 | 1299.1 | 1298.1 | 1297.2 | 1296.2 | 1297.2 | 1298.1 | 1299.1 | 1300.0 | 1300.5 |
| 150°   | 1330.4 | 1329.8 | 1328.6 | 1327.4 | 1326.2 | 1325.0 | 1326.2 | 1327.4 | 1328.6 | 1329.8 | 1330.4 |
| 152.5° | 1357.0 | 1356.2 | 1354.5 | 1352.9 | 1351.2 | 1349.6 | 1351.2 | 1352.9 | 1354.5 | 1356.2 | 1357.0 |
| 155°   | 1380.5 | 1379.6 | 1377.7 | 1375.8 | 1373.9 | 1372.0 | 1373.9 | 1375.8 | 1377.7 | 1379.6 | 1380.5 |
| 157.5° | 1401.8 | 1400.9 | 1399.0 | 1397.1 | 1395.2 | 1393.3 | 1395.2 | 1397.1 | 1399.0 | 1400.9 | 1401.8 |
| 160°   | 1418.9 | 1418.1 | 1416.4 | 1414.7 | 1413.1 | 1411.4 | 1413.1 | 1414.7 | 1416.4 | 1418.1 | 1418.9 |
| 162.5° | 1436.0 | 1434.9 | 1432.8 | 1430.7 | 1428.5 | 1426.4 | 1428.5 | 1430.7 | 1432.8 | 1434.9 | 1436.0 |
| 165°   | 1448.8 | 1448.0 | 1446.3 | 1444.6 | 1443.0 | 1441.3 | 1443.0 | 1444.6 | 1446.3 | 1448.0 | 1448.8 |
| 167.5° | 1460.5 | 1459.4 | 1457.3 | 1455.2 | 1453.0 | 1450.9 | 1453.0 | 1455.2 | 1457.3 | 1459.4 | 1460.5 |
| 170°   | 1469.1 | 1468.0 | 1465.9 | 1463.8 | 1461.6 | 1459.5 | 1461.6 | 1463.8 | 1465.9 | 1468.0 | 1469.1 |
| 172.5° | 1475.5 | 1474.4 | 1472.3 | 1470.2 | 1468.0 | 1465.9 | 1468.0 | 1470.2 | 1472.3 | 1474.4 | 1475.5 |
| 175°   | 1479.7 | 1478.5 | 1476.2 | 1473.8 | 1471.5 | 1469.1 | 1471.5 | 1473.8 | 1476.2 | 1478.5 | 1479.7 |
| 177.5° | 1480.8 | 1479.7 | 1477.6 | 1475.5 | 1473.3 | 1471.2 | 1473.3 | 1475.5 | 1477.6 | 1479.7 | 1480.8 |
| 180°   | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 |

TEST NUMBER: P1008221

CATALOG NUMBER: S122DIP-B865D1080UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 |
| 2.5°   | 1635.8 | 1646.4 | 1642.4 | 1627.9 | 1645.1 | 1645.1 | 1657.0 | 1657.0 | 1671.6 | 1676.9 | 1684.8 |
| 5°     | 1543.1 | 1551.1 | 1557.7 | 1551.1 | 1563.0 | 1581.5 | 1592.1 | 1601.4 | 1621.3 | 1629.2 | 1641.1 |
| 7.5°   | 1443.8 | 1458.3 | 1465.0 | 1465.0 | 1484.8 | 1506.0 | 1527.2 | 1540.5 | 1568.3 | 1578.9 | 1590.8 |
| 10°    | 1347.1 | 1364.3 | 1377.5 | 1376.2 | 1409.3 | 1422.6 | 1449.1 | 1479.5 | 1507.3 | 1523.2 | 1540.5 |
| 12.5°  | 1245.1 | 1254.4 | 1272.9 | 1299.4 | 1307.3 | 1331.2 | 1361.6 | 1400.1 | 1450.4 | 1465.0 | 1490.1 |
| 15°    | 1160.3 | 1185.5 | 1200.0 | 1212.0 | 1230.5 | 1253.0 | 1286.1 | 1323.2 | 1373.6 | 1405.4 | 1431.8 |
| 17.5°  | 1088.8 | 1121.9 | 1131.2 | 1128.5 | 1152.4 | 1186.8 | 1225.2 | 1253.0 | 1298.1 | 1336.5 | 1361.6 |
| 20°    | 1030.5 | 1043.7 | 1059.6 | 1066.3 | 1084.8 | 1121.9 | 1159.0 | 1190.8 | 1227.9 | 1258.3 | 1287.5 |
| 22.5°  | 972.2  | 982.8  | 996.1  | 1008.0 | 1022.6 | 1043.7 | 1079.5 | 1119.2 | 1155.0 | 1184.2 | 1217.3 |
| 25°    | 924.5  | 931.2  | 943.1  | 952.4  | 968.2  | 982.8  | 1008.0 | 1051.7 | 1094.1 | 1111.3 | 1140.4 |
| 27.5°  | 878.2  | 883.5  | 891.4  | 902.0  | 910.0  | 924.5  | 947.1  | 982.8  | 1026.5 | 1043.7 | 1083.5 |
| 30°    | 837.1  | 841.1  | 849.0  | 854.3  | 858.3  | 875.5  | 892.7  | 920.6  | 953.7  | 977.5  | 1006.7 |
| 32.5°  | 798.7  | 802.7  | 810.6  | 812.0  | 817.2  | 826.5  | 842.4  | 867.6  | 896.7  | 916.6  | 941.8  |
| 35°    | 756.3  | 759.0  | 766.9  | 769.6  | 773.5  | 781.5  | 793.4  | 812.0  | 838.4  | 853.0  | 875.5  |
| 37.5°  | 723.2  | 721.9  | 727.2  | 731.2  | 736.5  | 740.4  | 744.4  | 762.9  | 782.8  | 796.1  | 813.3  |
| 40°    | 687.4  | 684.8  | 686.1  | 691.4  | 694.1  | 699.4  | 699.4  | 717.9  | 731.2  | 741.7  | 755.0  |
| 42.5°  | 651.7  | 650.4  | 647.7  | 650.4  | 653.0  | 654.3  | 655.7  | 668.9  | 682.1  | 691.4  | 706.0  |
| 45°    | 615.9  | 614.6  | 611.9  | 613.3  | 613.3  | 615.9  | 619.9  | 625.2  | 634.5  | 642.4  | 650.4  |
| 47.5°  | 582.8  | 580.2  | 576.2  | 574.9  | 577.5  | 577.5  | 577.5  | 582.8  | 592.1  | 594.7  | 602.7  |
| 50°    | 548.4  | 544.4  | 539.1  | 536.4  | 536.4  | 535.1  | 537.8  | 539.1  | 547.0  | 549.7  | 556.3  |
| 52.5°  | 511.3  | 508.6  | 503.3  | 498.0  | 499.4  | 496.7  | 498.0  | 499.4  | 502.0  | 506.0  | 510.0  |
| 55°    | 474.2  | 468.9  | 464.9  | 463.6  | 459.6  | 459.6  | 455.6  | 460.9  | 459.6  | 460.9  | 466.2  |
| 57.5°  | 438.4  | 433.1  | 426.5  | 423.9  | 419.9  | 418.6  | 415.9  | 414.6  | 415.9  | 419.9  | 423.9  |
| 60°    | 396.0  | 393.4  | 389.4  | 385.4  | 382.8  | 378.8  | 376.2  | 376.2  | 374.8  | 374.8  | 376.2  |
| 62.5°  | 355.0  | 353.7  | 348.4  | 347.0  | 344.4  | 341.7  | 337.8  | 335.1  | 335.1  | 337.8  | 339.1  |
| 65°    | 315.2  | 313.9  | 309.9  | 308.6  | 302.0  | 299.3  | 298.0  | 296.7  | 294.1  | 294.1  | 294.1  |
| 67.5°  | 278.2  | 274.2  | 274.2  | 267.6  | 262.3  | 259.6  | 257.0  | 255.6  | 255.6  | 255.6  | 257.0  |
| 70°    | 237.1  | 237.1  | 233.1  | 229.1  | 223.8  | 225.2  | 221.2  | 217.2  | 217.2  | 214.6  | 215.9  |
| 72.5°  | 197.4  | 196.0  | 192.1  | 190.7  | 186.8  | 182.8  | 180.1  | 182.8  | 178.8  | 177.5  | 178.8  |
| 75°    | 158.9  | 157.6  | 155.0  | 152.3  | 153.6  | 149.7  | 145.7  | 144.4  | 144.4  | 141.7  | 141.7  |
| 77.5°  | 121.9  | 124.5  | 119.2  | 117.9  | 115.2  | 112.6  | 111.3  | 109.9  | 109.9  | 109.9  | 112.6  |
| 80°    | 84.8   | 86.1   | 86.1   | 83.4   | 84.8   | 80.8   | 80.8   | 80.8   | 76.8   | 78.1   | 79.5   |
| 82.5°  | 54.3   | 54.3   | 53.0   | 54.3   | 53.0   | 53.0   | 51.7   | 51.7   | 50.3   | 50.3   | 51.7   |
| 85°    | 30.5   | 29.1   | 27.8   | 30.5   | 29.1   | 29.1   | 27.8   | 27.8   | 27.8   | 27.8   | 27.8   |
| 87.5°  | 6.6    | 7.9    | 7.9    | 7.9    | 7.9    | 9.3    | 9.3    | 9.3    | 10.6   | 10.6   | 10.6   |
| 90°    | 26.1   | 24.9   | 23.7   | 22.5   | 21.3   | 19.4   | 17.5   | 15.6   | 13.7   | 12.8   | 11.5   |
| 92.5°  | 27.5   | 27.0   | 26.5   | 26.1   | 25.6   | 24.9   | 24.2   | 23.5   | 22.8   | 22.4   | 22.9   |
| 95°    | 46.3   | 45.1   | 44.0   | 42.8   | 41.6   | 39.9   | 38.3   | 36.6   | 34.9   | 34.1   | 38.0   |
| 97.5°  | 57.2   | 56.5   | 55.8   | 55.1   | 54.4   | 50.6   | 46.8   | 43.0   | 39.2   | 37.3   | 47.0   |
| 100°   | 68.4   | 66.5   | 64.6   | 62.7   | 60.8   | 56.8   | 52.8   | 48.7   | 44.7   | 42.7   | 58.9   |
| 102.5° | 73.4   | 70.8   | 68.1   | 65.5   | 62.9   | 106.1  | 149.2  | 192.4  | 235.5  | 257.1  | 257.3  |
| 105°   | 75.5   | 72.9   | 70.3   | 67.7   | 65.1   | 129.8  | 194.5  | 259.2  | 323.9  | 356.3  | 352.7  |
| 107.5° | 77.6   | 75.0   | 72.4   | 69.8   | 67.2   | 147.1  | 227.0  | 306.9  | 386.8  | 426.7  | 423.7  |
| 110°   | 91.9   | 115.6  | 139.3  | 163.0  | 186.7  | 255.2  | 323.7  | 392.2  | 460.7  | 495.0  | 492.5  |

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CATALOG NUMBER: S122DIP-B865D1080UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 133.2  | 235.4  | 337.6  | 439.8  | 542.0  | 546.0  | 550.0  | 554.1  | 558.1  | 560.1  | 558.0  |
| 115°   | 219.2  | 328.9  | 438.7  | 548.4  | 658.2  | 652.3  | 646.4  | 640.5  | 634.6  | 631.6  | 629.6  |
| 117.5° | 580.3  | 614.2  | 648.1  | 682.0  | 715.9  | 711.9  | 707.8  | 703.8  | 699.7  | 697.7  | 695.3  |
| 120°   | 793.4  | 790.5  | 787.7  | 784.8  | 782.0  | 777.7  | 773.5  | 769.2  | 764.9  | 762.8  | 761.0  |
| 122.5° | 850.7  | 849.2  | 847.8  | 846.3  | 844.9  | 840.2  | 835.4  | 830.7  | 826.0  | 823.6  | 821.7  |
| 125°   | 908.2  | 906.5  | 904.8  | 903.2  | 901.5  | 897.0  | 892.5  | 888.0  | 883.5  | 881.2  | 879.7  |
| 127.5° | 963.2  | 960.9  | 958.5  | 956.2  | 953.8  | 950.2  | 946.7  | 943.1  | 939.6  | 937.8  | 936.1  |
| 130°   | 1014.3 | 1011.7 | 1009.1 | 1006.5 | 1003.9 | 1001.3 | 998.7  | 996.1  | 993.5  | 992.2  | 990.3  |
| 132.5° | 1062.6 | 1060.5 | 1058.4 | 1056.2 | 1054.1 | 1051.5 | 1048.9 | 1046.2 | 1043.6 | 1042.3 | 1040.8 |
| 135°   | 1109.4 | 1107.0 | 1104.7 | 1102.3 | 1099.9 | 1097.8 | 1095.6 | 1093.5 | 1091.4 | 1090.3 | 1088.4 |
| 137.5° | 1153.1 | 1150.8 | 1148.4 | 1146.1 | 1143.7 | 1141.3 | 1138.9 | 1136.6 | 1134.2 | 1133.0 | 1131.6 |
| 140°   | 1194.8 | 1192.7 | 1190.6 | 1188.4 | 1186.3 | 1183.7 | 1181.1 | 1178.5 | 1175.9 | 1174.6 | 1173.7 |
| 142.5° | 1233.4 | 1231.5 | 1229.6 | 1227.7 | 1225.8 | 1222.7 | 1219.6 | 1216.5 | 1213.4 | 1211.9 | 1211.1 |
| 145°   | 1268.8 | 1267.1 | 1265.4 | 1263.8 | 1262.1 | 1258.1 | 1254.1 | 1250.0 | 1246.0 | 1244.0 | 1244.1 |
| 147.5° | 1299.9 | 1298.7 | 1297.6 | 1296.4 | 1295.2 | 1291.2 | 1287.1 | 1283.1 | 1279.0 | 1277.0 | 1277.4 |
| 150°   | 1329.7 | 1328.3 | 1326.8 | 1325.4 | 1324.0 | 1320.2 | 1316.4 | 1312.6 | 1308.8 | 1306.9 | 1307.7 |
| 152.5° | 1356.3 | 1354.9 | 1353.4 | 1352.0 | 1350.6 | 1347.0 | 1343.5 | 1339.9 | 1336.4 | 1334.6 | 1335.6 |
| 155°   | 1379.8 | 1378.4 | 1376.9 | 1375.5 | 1374.1 | 1371.3 | 1368.4 | 1365.6 | 1362.7 | 1361.3 | 1362.4 |
| 157.5° | 1401.0 | 1399.3 | 1397.7 | 1396.0 | 1394.4 | 1392.3 | 1390.1 | 1388.0 | 1385.9 | 1384.8 | 1385.7 |
| 160°   | 1418.2 | 1416.8 | 1415.3 | 1413.9 | 1412.5 | 1411.1 | 1409.7 | 1408.2 | 1406.8 | 1406.1 | 1406.8 |
| 162.5° | 1435.2 | 1433.5 | 1431.8 | 1430.2 | 1428.5 | 1427.3 | 1426.1 | 1425.0 | 1423.8 | 1423.2 | 1423.9 |
| 165°   | 1448.0 | 1446.3 | 1444.6 | 1443.0 | 1441.3 | 1440.6 | 1439.9 | 1439.2 | 1438.5 | 1438.1 | 1438.8 |
| 167.5° | 1459.7 | 1458.0 | 1456.4 | 1454.7 | 1453.1 | 1452.4 | 1451.7 | 1451.0 | 1450.3 | 1449.9 | 1450.6 |
| 170°   | 1468.3 | 1466.6 | 1464.9 | 1463.3 | 1461.6 | 1461.1 | 1460.7 | 1460.2 | 1459.7 | 1459.5 | 1460.2 |
| 172.5° | 1474.7 | 1473.0 | 1471.3 | 1469.7 | 1468.0 | 1467.5 | 1467.1 | 1466.6 | 1466.1 | 1465.9 | 1466.6 |
| 175°   | 1478.9 | 1477.2 | 1475.6 | 1473.9 | 1472.3 | 1471.8 | 1471.3 | 1470.8 | 1470.3 | 1470.1 | 1470.9 |
| 177.5° | 1480.0 | 1478.3 | 1476.6 | 1475.0 | 1473.3 | 1473.1 | 1472.9 | 1472.6 | 1472.4 | 1472.3 | 1473.1 |
| 180°   | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 | 1474.4 |

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**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1723.2 | 1723.2 | 1723.2 | 1723.2 |
| 2.5°   | 1691.5 | 1691.5 | 1711.3 | 1732.5 |
| 5°     | 1654.4 | 1663.6 | 1695.4 | 1724.6 |
| 7.5°   | 1618.6 | 1634.5 | 1674.2 | 1711.3 |
| 10°    | 1574.9 | 1596.1 | 1645.1 | 1688.8 |
| 12.5°  | 1532.5 | 1552.4 | 1609.3 | 1658.3 |
| 15°    | 1472.9 | 1498.1 | 1559.0 | 1619.9 |
| 17.5°  | 1413.3 | 1438.5 | 1512.6 | 1584.2 |
| 20°    | 1343.1 | 1376.2 | 1459.7 | 1555.0 |
| 22.5°  | 1278.2 | 1319.3 | 1412.0 | 1488.8 |
| 25°    | 1206.7 | 1270.2 | 1356.3 | 1455.7 |
| 27.5°  | 1143.1 | 1206.7 | 1294.1 | 1394.8 |
| 30°    | 1071.6 | 1136.5 | 1226.5 | 1319.3 |
| 32.5°  | 1002.7 | 1062.3 | 1149.7 | 1263.6 |
| 35°    | 931.2  | 988.1  | 1072.9 | 1188.1 |
| 37.5°  | 866.3  | 921.9  | 1014.6 | 1120.6 |
| 40°    | 802.7  | 861.0  | 940.4  | 1046.4 |
| 42.5°  | 743.1  | 794.7  | 866.3  | 972.2  |
| 45°    | 688.8  | 725.9  | 792.1  | 891.4  |
| 47.5°  | 631.8  | 664.9  | 725.9  | 825.2  |
| 50°    | 578.8  | 606.6  | 659.6  | 752.3  |
| 52.5°  | 527.2  | 551.0  | 600.0  | 674.2  |
| 55°    | 480.8  | 503.3  | 539.1  | 611.9  |
| 57.5°  | 433.1  | 450.3  | 484.8  | 543.1  |
| 60°    | 386.8  | 402.7  | 430.5  | 478.2  |
| 62.5°  | 340.4  | 353.7  | 380.1  | 418.6  |
| 65°    | 299.3  | 309.9  | 329.8  | 362.9  |
| 67.5°  | 259.6  | 266.2  | 282.1  | 308.6  |
| 70°    | 221.2  | 226.5  | 239.7  | 260.9  |
| 72.5°  | 180.1  | 185.4  | 200.0  | 214.6  |
| 75°    | 145.7  | 147.0  | 157.6  | 169.5  |
| 77.5°  | 113.9  | 112.6  | 120.5  | 129.8  |
| 80°    | 78.1   | 82.1   | 88.7   | 92.7   |
| 82.5°  | 53.0   | 54.3   | 57.0   | 59.6   |
| 85°    | 29.1   | 30.5   | 30.5   | 34.4   |
| 87.5°  | 11.9   | 13.2   | 13.2   | 14.6   |
| 90°    | 8.9    | 6.3    | 3.7    | 1.1    |
| 92.5°  | 23.8   | 24.8   | 25.7   | 26.7   |
| 95°    | 45.8   | 53.7   | 61.5   | 69.3   |
| 97.5°  | 66.5   | 85.9   | 105.4  | 124.8  |
| 100°   | 91.4   | 123.9  | 156.3  | 188.8  |
| 102.5° | 257.8  | 258.3  | 258.7  | 259.2  |
| 105°   | 345.6  | 338.5  | 331.4  | 324.3  |
| 107.5° | 417.8  | 411.9  | 406.0  | 400.1  |
| 110°   | 487.5  | 482.6  | 477.6  | 472.6  |

TEST NUMBER: P1008221

CATALOG NUMBER: S122DIP-B865D1080UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 112.5° | 553.7  | 549.4  | 545.2  | 540.9  |
| 115°   | 625.5  | 621.5  | 617.4  | 613.4  |
| 117.5° | 690.6  | 685.9  | 681.1  | 676.4  |
| 120°   | 757.5  | 753.9  | 750.4  | 746.8  |
| 122.5° | 817.9  | 814.1  | 810.3  | 806.5  |
| 125°   | 876.6  | 873.5  | 870.5  | 867.4  |
| 127.5° | 932.8  | 929.5  | 926.1  | 922.8  |
| 130°   | 986.5  | 982.7  | 978.9  | 975.1  |
| 132.5° | 1037.7 | 1034.6 | 1031.5 | 1028.4 |
| 135°   | 1084.6 | 1080.9 | 1077.1 | 1073.3 |
| 137.5° | 1128.7 | 1125.9 | 1123.0 | 1120.2 |
| 140°   | 1171.8 | 1169.9 | 1168.0 | 1166.1 |
| 142.5° | 1209.4 | 1207.8 | 1206.1 | 1204.5 |
| 145°   | 1244.3 | 1244.6 | 1244.8 | 1245.0 |
| 147.5° | 1278.1 | 1278.8 | 1279.5 | 1280.2 |
| 150°   | 1309.4 | 1311.1 | 1312.7 | 1314.4 |
| 152.5° | 1337.5 | 1339.4 | 1341.3 | 1343.2 |
| 155°   | 1364.5 | 1366.6 | 1368.8 | 1370.9 |
| 157.5° | 1387.6 | 1389.5 | 1391.4 | 1393.3 |
| 160°   | 1408.2 | 1409.7 | 1411.1 | 1412.5 |
| 162.5° | 1425.3 | 1426.8 | 1428.2 | 1429.6 |
| 165°   | 1440.2 | 1441.7 | 1443.1 | 1444.5 |
| 167.5° | 1452.0 | 1453.5 | 1454.9 | 1456.3 |
| 170°   | 1461.6 | 1463.1 | 1464.5 | 1465.9 |
| 172.5° | 1468.0 | 1469.5 | 1470.9 | 1472.3 |
| 175°   | 1472.6 | 1474.3 | 1475.9 | 1477.6 |
| 177.5° | 1474.8 | 1476.4 | 1478.1 | 1479.7 |
| 180°   | 1474.4 | 1474.4 | 1474.4 | 1474.4 |

(END OF REPORT)