

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: P1027086

Luminaire Tested: S125RDIP-B1090D610UB2750-4F0-XX-W2A-A\_3500K

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1027086  
REPORT IS A COMBINATION OF REPORTS P1005047 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S125RDIP-B1090D610UB2750-4F0-XX-W2A-A\_3500K  
Description: Define 5 Regressed Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721}  
{m-EER=0.792}  
Light Source: -  
Ballast/Driver: -

**Summary**

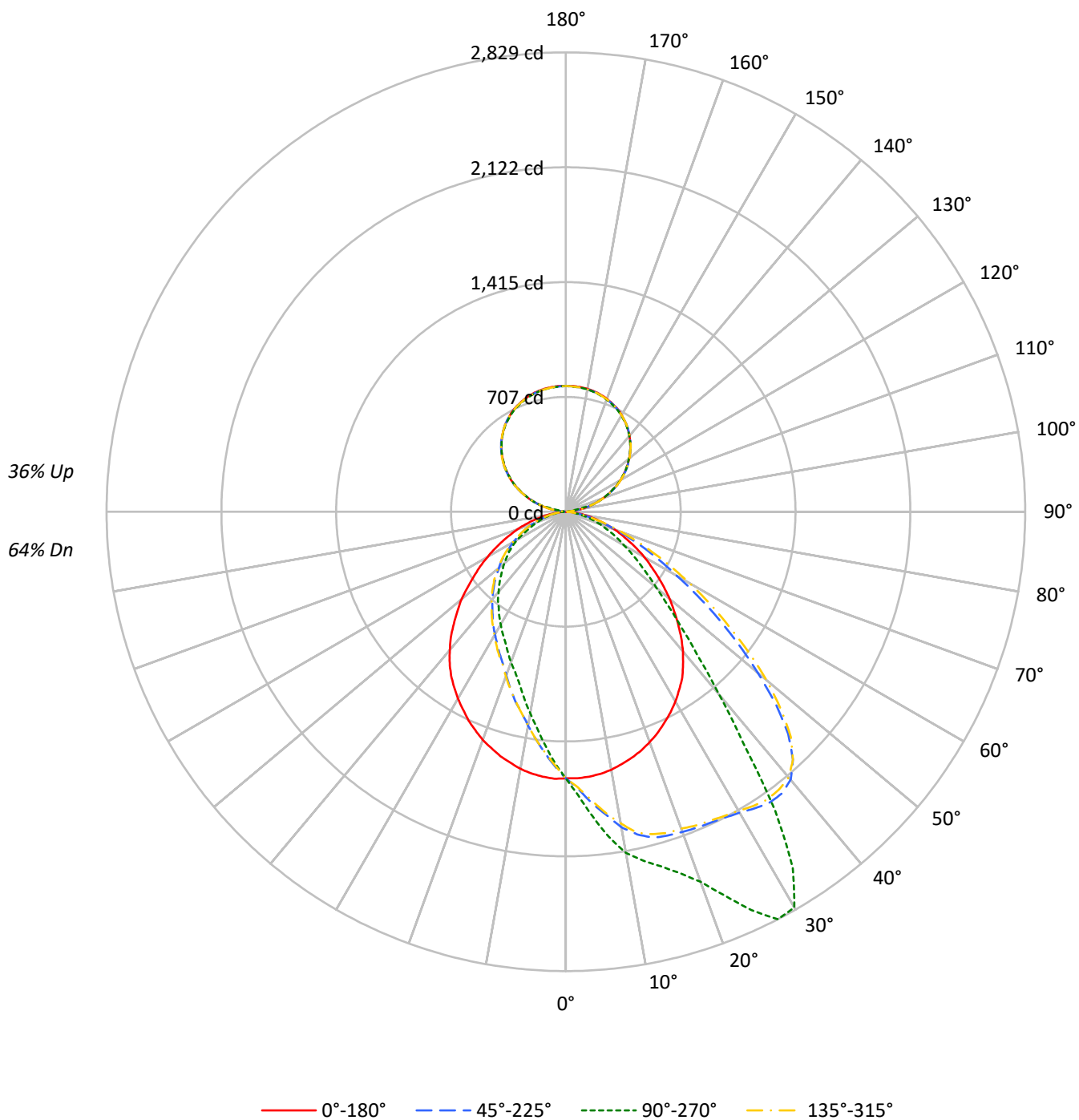
Lumens per Lamp: N/A  
Luminaire Lumens: 6633.0 lumens  
Efficiency: N/A  
Efficacy: 106.6 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.4 / 1.47  
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct

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

TEST NUMBER: P1027086

CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-XX-W2A-A\_3500K

### Luminous Intensity Polar Plot



TEST NUMBER: P1027086

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

|     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    |
| RC  | 80  |     |     |     | 70  |     |     |     | 50 |    |    |    | 30 |    |    |    | 10 |    |    | 0  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 111 | 111 | 111 | 111 | 104 | 104 | 104 | 104 | 91 | 91 | 91 | 80 | 80 | 80 | 69 | 69 | 69 | 64 |    |    |
| 1   | 102 | 97  | 94  | 90  | 95  | 92  | 88  | 85  | 81 | 78 | 76 | 71 | 69 | 68 | 62 | 61 | 60 | 55 |    |    |
| 2   | 93  | 86  | 80  | 75  | 87  | 81  | 75  | 71  | 72 | 67 | 64 | 63 | 60 | 57 | 55 | 53 | 51 | 47 |    |    |
| 3   | 85  | 76  | 68  | 63  | 80  | 71  | 65  | 60  | 64 | 58 | 54 | 56 | 52 | 49 | 49 | 46 | 44 | 40 |    |    |
| 4   | 78  | 67  | 59  | 53  | 73  | 64  | 57  | 51  | 57 | 51 | 47 | 50 | 46 | 42 | 44 | 41 | 38 | 35 |    |    |
| 5   | 72  | 60  | 52  | 46  | 67  | 57  | 50  | 44  | 51 | 45 | 41 | 45 | 41 | 37 | 40 | 36 | 33 | 31 |    |    |
| 6   | 66  | 54  | 46  | 40  | 62  | 51  | 44  | 39  | 46 | 40 | 36 | 41 | 36 | 33 | 36 | 33 | 30 | 27 |    |    |
| 7   | 61  | 49  | 41  | 36  | 58  | 47  | 39  | 34  | 42 | 36 | 32 | 38 | 33 | 29 | 33 | 29 | 26 | 24 |    |    |
| 8   | 57  | 45  | 37  | 32  | 54  | 43  | 35  | 30  | 38 | 32 | 28 | 34 | 30 | 26 | 31 | 27 | 24 | 22 |    |    |
| 9   | 53  | 41  | 33  | 28  | 50  | 39  | 32  | 27  | 35 | 29 | 25 | 32 | 27 | 23 | 28 | 24 | 21 | 19 |    |    |
| 10  | 50  | 38  | 30  | 25  | 47  | 36  | 29  | 25  | 32 | 27 | 23 | 29 | 25 | 21 | 26 | 22 | 20 | 18 |    |    |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 10518 | 10518 | 10518 | 10518 |
| 5°  | 10509 | 11854 | 10509 | 9112  |
| 10° | 10450 | 13321 | 10415 | 7877  |
| 15° | 10337 | 14093 | 10266 | 6858  |
| 20° | 10199 | 15213 | 10108 | 6199  |
| 25° | 10021 | 17220 | 9908  | 5626  |
| 30° | 9839  | 18303 | 9692  | 5216  |
| 35° | 9604  | 15053 | 9470  | 4834  |
| 40° | 9186  | 10222 | 9109  | 4491  |
| 45° | 8638  | 7349  | 8626  | 4153  |
| 50° | 8075  | 5651  | 8114  | 3840  |
| 55° | 7443  | 4595  | 7428  | 3539  |
| 60° | 6854  | 3766  | 6820  | 3143  |
| 65° | 6167  | 3138  | 6206  | 2529  |
| 70° | 5599  | 2519  | 5576  | 2106  |
| 75° | 4730  | 1908  | 4730  | 1732  |
| 80° | 3833  | 1163  | 3791  | 1163  |
| 85° | 2699  | 612   | 2619  | 691   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 14972 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 157.4  | 2.4       |
| 10°-20°   | 461.5  | 7.0       |
| 20°-30°   | 731.8  | 11.0      |
| 30°-40°   | 884.2  | 13.3      |
| 40°-50°   | 787.3  | 11.9      |
| 50°-60°   | 603.7  | 9.1       |
| 60°-70°   | 392.1  | 5.9       |
| 70°-80°   | 190.3  | 2.9       |
| 80°-90°   | 45.9   | 0.7       |
| 90°-100°  | 26.3   | 0.4       |
| 100°-110° | 174.8  | 2.6       |
| 110°-120° | 314.7  | 4.7       |
| 120°-130° | 404.0  | 6.1       |
| 130°-140° | 434.5  | 6.6       |
| 140°-150° | 407.8  | 6.1       |
| 150°-160° | 329.9  | 5.0       |
| 160°-170° | 213.3  | 3.2       |
| 170°-180° | 73.6   | 1.1       |
| 0°-30°    | 1350.7 | 20.4      |
| 0°-40°    | 2234.9 | 33.7      |
| 0°-60°    | 3625.9 | 54.7      |
| 0°-90°    | 4254.1 | 64.1      |
| 90°-120°  | 515.8  | 7.8       |
| 90°-150°  | 1762.1 | 26.6      |
| 90°-180°  | 2379.0 | 35.9      |
| 0°-180°   | 6633.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1642 | 1642 | 1642 | 1642 | 1642 |      |
| 5°   | 1638 | 1882 | 1638 | 1446 | 1638 | 156  |
| 15°  | 1569 | 2260 | 1558 | 1100 | 1569 | 442  |
| 25°  | 1434 | 2706 | 1418 | 884  | 1434 | 661  |
| 35°  | 1249 | 2245 | 1232 | 721  | 1249 | 778  |
| 45°  | 977  | 1004 | 976  | 567  | 977  | 754  |
| 55°  | 690  | 551  | 689  | 424  | 690  | 618  |
| 65°  | 429  | 313  | 431  | 252  | 429  | 428  |
| 75°  | 209  | 146  | 209  | 132  | 209  | 224  |
| 85°  | 47   | 31   | 46   | 35   | 47   | 54   |
| 90°  | 1    | 14   | 1    | 14   | 1    | 5    |
| 95°  | 33   | 12   | 33   | 12   | 33   | 40   |
| 105° | 169  | 170  | 169  | 170  | 169  | 179  |
| 115° | 317  | 315  | 317  | 315  | 317  | 314  |
| 125° | 451  | 451  | 451  | 451  | 451  | 403  |
| 135° | 562  | 560  | 562  | 560  | 562  | 433  |
| 145° | 652  | 650  | 652  | 650  | 652  | 408  |
| 155° | 718  | 712  | 718  | 712  | 718  | 331  |
| 165° | 757  | 753  | 757  | 753  | 757  | 214  |
| 175° | 774  | 771  | 774  | 771  | 774  | 74   |
| 180° | 774  | 774  | 774  | 774  | 774  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 |
| 2.5°   | 1642.9 | 1656.4 | 1660.5 | 1671.2 | 1683.4 | 1686.1 | 1692.8 | 1702.2 | 1707.6 | 1706.3 | 1706.3 |
| 5°     | 1637.5 | 1660.5 | 1676.6 | 1695.5 | 1718.4 | 1727.8 | 1735.9 | 1756.1 | 1772.3 | 1781.7 | 1797.9 |
| 7.5°   | 1628.1 | 1661.8 | 1688.8 | 1717.1 | 1752.1 | 1768.3 | 1785.8 | 1814.1 | 1843.7 | 1862.6 | 1880.1 |
| 10°    | 1613.3 | 1656.4 | 1694.1 | 1735.9 | 1783.1 | 1807.4 | 1828.9 | 1872.0 | 1908.4 | 1932.7 | 1973.1 |
| 12.5°  | 1591.7 | 1645.6 | 1698.2 | 1753.4 | 1812.7 | 1838.4 | 1868.0 | 1915.2 | 1966.4 | 2001.4 | 2035.1 |
| 15°    | 1568.8 | 1633.5 | 1690.1 | 1756.1 | 1827.6 | 1866.7 | 1904.4 | 1954.3 | 2000.1 | 2039.2 | 2078.3 |
| 17.5°  | 1541.8 | 1610.6 | 1680.7 | 1756.1 | 1837.0 | 1876.1 | 1908.4 | 1967.7 | 2016.3 | 2055.3 | 2090.4 |
| 20°    | 1509.5 | 1586.3 | 1665.8 | 1749.4 | 1831.6 | 1868.0 | 1899.0 | 1963.7 | 2006.8 | 2048.6 | 2098.5 |
| 22.5°  | 1474.5 | 1558.0 | 1642.9 | 1725.1 | 1806.0 | 1845.1 | 1881.5 | 1938.1 | 1985.3 | 2041.9 | 2106.6 |
| 25°    | 1434.0 | 1525.7 | 1611.9 | 1694.1 | 1771.0 | 1807.4 | 1839.7 | 1901.7 | 1967.7 | 2039.2 | 2112.0 |
| 27.5°  | 1393.6 | 1482.5 | 1566.1 | 1641.6 | 1725.1 | 1758.8 | 1791.2 | 1869.4 | 1947.5 | 2023.0 | 2122.7 |
| 30°    | 1349.1 | 1439.4 | 1512.2 | 1582.3 | 1663.1 | 1698.2 | 1738.6 | 1827.6 | 1916.5 | 2019.0 | 2140.3 |
| 32.5°  | 1299.2 | 1381.5 | 1448.9 | 1521.6 | 1594.4 | 1637.5 | 1688.8 | 1785.8 | 1888.2 | 2010.9 | 2165.9 |
| 35°    | 1249.4 | 1315.4 | 1377.4 | 1446.2 | 1533.8 | 1579.6 | 1629.5 | 1731.9 | 1859.9 | 2006.8 | 2187.4 |
| 37.5°  | 1186.0 | 1249.4 | 1297.9 | 1368.0 | 1458.3 | 1512.2 | 1562.1 | 1680.7 | 1826.2 | 1997.4 | 2186.1 |
| 40°    | 1121.3 | 1175.3 | 1221.1 | 1293.9 | 1392.2 | 1442.1 | 1496.0 | 1625.4 | 1791.2 | 1970.4 | 2153.7 |
| 42.5°  | 1051.3 | 1097.1 | 1147.0 | 1217.0 | 1312.7 | 1361.2 | 1423.2 | 1574.2 | 1742.7 | 1932.7 | 2070.2 |
| 45°    | 977.1  | 1021.6 | 1063.4 | 1136.2 | 1231.9 | 1284.4 | 1351.8 | 1506.8 | 1683.4 | 1853.2 | 1935.4 |
| 47.5°  | 904.4  | 943.4  | 987.9  | 1051.3 | 1148.3 | 1206.3 | 1275.0 | 1440.8 | 1603.8 | 1746.7 | 1753.4 |
| 50°    | 834.3  | 865.3  | 903.0  | 967.7  | 1068.8 | 1124.0 | 1195.5 | 1350.5 | 1509.5 | 1607.9 | 1541.8 |
| 52.5°  | 761.5  | 789.8  | 828.9  | 885.5  | 979.8  | 1044.5 | 1106.5 | 1261.5 | 1394.9 | 1461.0 | 1339.7 |
| 55°    | 690.1  | 714.3  | 754.8  | 818.1  | 900.3  | 950.2  | 1013.5 | 1157.7 | 1275.0 | 1276.3 | 1144.3 |
| 57.5°  | 620.0  | 641.5  | 675.2  | 731.8  | 808.7  | 866.6  | 924.6  | 1049.9 | 1129.4 | 1106.5 | 959.6  |
| 60°    | 558.0  | 571.5  | 602.5  | 657.7  | 729.1  | 770.9  | 832.9  | 938.0  | 990.6  | 948.8  | 791.1  |
| 62.5°  | 493.3  | 506.8  | 531.0  | 575.5  | 642.9  | 687.4  | 726.4  | 812.7  | 849.1  | 785.7  | 656.4  |
| 65°    | 428.6  | 444.8  | 462.3  | 497.3  | 560.7  | 590.3  | 625.4  | 688.7  | 723.8  | 649.6  | 537.8  |
| 67.5°  | 372.0  | 380.1  | 397.6  | 434.0  | 478.5  | 505.4  | 529.7  | 572.8  | 579.5  | 520.2  | 428.6  |
| 70°    | 319.4  | 322.1  | 338.3  | 359.9  | 393.5  | 409.7  | 429.9  | 455.5  | 455.5  | 407.0  | 334.2  |
| 72.5°  | 260.1  | 264.2  | 276.3  | 299.2  | 319.4  | 327.5  | 334.2  | 350.4  | 347.7  | 303.2  | 253.4  |
| 75°    | 208.9  | 211.6  | 221.0  | 231.8  | 239.9  | 254.7  | 260.1  | 257.4  | 256.1  | 218.3  | 190.0  |
| 77.5°  | 161.7  | 163.1  | 169.8  | 179.3  | 180.6  | 186.0  | 181.9  | 181.9  | 169.8  | 148.3  | 133.4  |
| 80°    | 118.6  | 120.0  | 122.6  | 125.3  | 125.3  | 125.3  | 125.3  | 118.6  | 110.5  | 97.0   | 93.0   |
| 82.5°  | 79.5   | 79.5   | 80.9   | 83.6   | 82.2   | 79.5   | 76.8   | 70.1   | 64.7   | 60.6   | 58.0   |
| 85°    | 47.2   | 47.2   | 48.5   | 47.2   | 41.8   | 40.4   | 37.7   | 36.4   | 35.0   | 33.7   | 33.7   |
| 87.5°  | 22.9   | 21.6   | 18.9   | 16.2   | 16.2   | 16.2   | 16.2   | 16.2   | 16.2   | 14.8   | 14.8   |
| 90°    | 0.6    | 1.6    | 2.6    | 3.7    | 4.7    | 5.2    | 5.6    | 6.5    | 7.4    | 8.3    | 9.2    |
| 92.5°  | 10.9   | 9.7    | 8.6    | 7.4    | 6.3    | 5.7    | 6.1    | 6.9    | 7.6    | 8.4    | 9.2    |
| 95°    | 32.7   | 32.3   | 31.9   | 31.6   | 31.2   | 31.0   | 28.6   | 23.7   | 18.9   | 14.0   | 9.2    |
| 97.5°  | 61.4   | 62.2   | 63.0   | 63.7   | 64.5   | 64.9   | 58.8   | 46.7   | 34.6   | 22.4   | 10.3   |
| 100°   | 95.9   | 96.3   | 96.7   | 97.0   | 97.4   | 97.6   | 97.9   | 98.4   | 98.9   | 99.4   | 99.9   |
| 102.5° | 130.9  | 131.4  | 131.9  | 132.4  | 132.9  | 133.2  | 133.3  | 133.6  | 133.8  | 134.1  | 134.3  |
| 105°   | 168.8  | 169.3  | 169.8  | 170.3  | 170.8  | 171.1  | 171.1  | 171.1  | 171.1  | 171.1  | 171.1  |
| 107.5° | 207.8  | 207.8  | 207.8  | 207.8  | 207.8  | 207.8  | 207.9  | 208.2  | 208.5  | 208.7  | 209.0  |
| 110°   | 245.7  | 245.7  | 245.7  | 245.7  | 245.7  | 245.7  | 245.8  | 246.1  | 246.3  | 246.6  | 246.8  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 281.3 | 281.7 | 282.1 | 282.4 | 282.8 | 283.0 | 283.1 | 283.2 | 283.3 | 283.5 | 283.6 |
| 115°   | 316.9 | 317.5 | 318.2 | 318.8 | 319.5 | 319.8 | 319.9 | 320.0 | 320.1 | 320.2 | 320.3 |
| 117.5° | 354.2 | 354.2 | 354.2 | 354.2 | 354.2 | 354.2 | 354.5 | 355.0 | 355.5 | 356.0 | 356.5 |
| 120°   | 388.6 | 388.5 | 388.4 | 388.3 | 388.2 | 388.1 | 388.3 | 388.7 | 389.0 | 389.4 | 389.8 |
| 122.5° | 419.1 | 419.7 | 420.3 | 421.0 | 421.6 | 421.9 | 422.0 | 422.1 | 422.2 | 422.4 | 422.5 |
| 125°   | 450.6 | 451.5 | 452.4 | 453.3 | 454.2 | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 |
| 127.5° | 481.1 | 481.7 | 482.3 | 483.0 | 483.6 | 483.9 | 483.8 | 483.7 | 483.6 | 483.5 | 483.4 |
| 130°   | 508.6 | 509.2 | 509.9 | 510.5 | 511.2 | 511.5 | 511.6 | 511.7 | 511.8 | 512.0 | 512.1 |
| 132.5° | 536.2 | 537.0 | 537.7 | 538.5 | 539.2 | 539.6 | 539.4 | 539.0 | 538.7 | 538.3 | 537.9 |
| 135°   | 562.0 | 562.8 | 563.6 | 564.3 | 565.1 | 565.5 | 565.4 | 565.1 | 564.8 | 564.6 | 564.3 |
| 137.5° | 586.1 | 586.9 | 587.7 | 588.4 | 589.2 | 589.6 | 589.5 | 589.2 | 588.9 | 588.7 | 588.4 |
| 140°   | 609.7 | 609.9 | 610.2 | 610.4 | 610.7 | 610.8 | 610.7 | 610.6 | 610.5 | 610.3 | 610.2 |
| 142.5° | 630.9 | 631.0 | 631.2 | 631.3 | 631.4 | 631.5 | 631.6 | 631.9 | 632.1 | 632.4 | 632.6 |
| 145°   | 651.6 | 651.8 | 652.1 | 652.3 | 652.6 | 652.7 | 652.7 | 652.7 | 652.7 | 652.7 | 652.7 |
| 147.5° | 669.9 | 669.9 | 669.9 | 669.9 | 669.9 | 669.9 | 670.0 | 670.1 | 670.2 | 670.4 | 670.5 |
| 150°   | 687.2 | 686.9 | 686.7 | 686.4 | 686.1 | 686.0 | 686.1 | 686.4 | 686.7 | 686.9 | 687.2 |
| 152.5° | 703.8 | 703.2 | 702.5 | 701.9 | 701.2 | 700.9 | 701.0 | 701.3 | 701.6 | 701.8 | 702.1 |
| 155°   | 717.6 | 716.8 | 716.0 | 715.3 | 714.5 | 714.1 | 714.2 | 714.5 | 714.8 | 715.0 | 715.3 |
| 157.5° | 728.5 | 728.1 | 727.7 | 727.4 | 727.0 | 726.8 | 726.8 | 726.8 | 726.8 | 726.8 | 726.8 |
| 160°   | 740.0 | 739.2 | 738.4 | 737.7 | 736.9 | 736.5 | 736.6 | 736.7 | 736.8 | 737.0 | 737.1 |
| 162.5° | 749.2 | 748.4 | 747.6 | 746.9 | 746.1 | 745.7 | 745.8 | 745.9 | 746.0 | 746.2 | 746.3 |
| 165°   | 757.2 | 756.4 | 755.7 | 754.9 | 754.2 | 753.8 | 753.9 | 754.0 | 754.1 | 754.2 | 754.3 |
| 167.5° | 763.5 | 762.7 | 762.0 | 761.2 | 760.5 | 760.1 | 760.2 | 760.3 | 760.4 | 760.5 | 760.6 |
| 170°   | 768.7 | 767.8 | 766.9 | 766.0 | 765.1 | 764.7 | 764.8 | 764.9 | 765.0 | 765.1 | 765.2 |
| 172.5° | 772.1 | 771.2 | 770.3 | 769.4 | 768.5 | 768.1 | 768.2 | 768.5 | 768.8 | 769.0 | 769.3 |
| 175°   | 774.4 | 773.6 | 772.9 | 772.1 | 771.4 | 771.0 | 771.1 | 771.2 | 771.3 | 771.4 | 771.5 |
| 177.5° | 776.1 | 775.3 | 774.6 | 773.8 | 773.1 | 772.7 | 772.8 | 772.9 | 773.0 | 773.2 | 773.3 |
| 180°   | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 |
| 2.5°   | 1713.0 | 1722.4 | 1730.5 | 1726.5 | 1742.7 | 1741.3 | 1744.0 | 1749.4 | 1750.8 | 1748.1 | 1742.7 |
| 5°     | 1806.0 | 1819.5 | 1842.4 | 1854.5 | 1851.8 | 1862.6 | 1868.0 | 1876.1 | 1884.2 | 1881.5 | 1881.5 |
| 7.5°   | 1909.8 | 1928.7 | 1951.6 | 1982.6 | 1986.6 | 1996.0 | 2012.2 | 2012.2 | 2021.7 | 2017.6 | 2016.3 |
| 10°    | 2000.1 | 2023.0 | 2059.4 | 2083.6 | 2094.4 | 2099.8 | 2116.0 | 2121.4 | 2132.2 | 2133.5 | 2133.5 |
| 12.5°  | 2074.2 | 2114.6 | 2138.9 | 2163.2 | 2168.6 | 2176.6 | 2188.8 | 2196.9 | 2200.9 | 2200.9 | 2196.9 |
| 15°    | 2113.3 | 2145.6 | 2174.0 | 2199.6 | 2214.4 | 2221.1 | 2233.3 | 2242.7 | 2248.1 | 2260.2 | 2262.9 |
| 17.5°  | 2129.5 | 2168.6 | 2214.4 | 2250.8 | 2276.4 | 2283.1 | 2307.4 | 2315.5 | 2326.2 | 2331.6 | 2338.4 |
| 20°    | 2152.4 | 2209.0 | 2264.3 | 2308.7 | 2333.0 | 2350.5 | 2376.1 | 2413.9 | 2424.6 | 2424.6 | 2420.6 |
| 22.5°  | 2172.6 | 2245.4 | 2320.9 | 2392.3 | 2412.5 | 2447.5 | 2494.7 | 2535.2 | 2551.3 | 2558.1 | 2552.7 |
| 25°    | 2196.9 | 2296.6 | 2395.0 | 2483.9 | 2539.2 | 2564.8 | 2628.1 | 2676.7 | 2695.5 | 2706.3 | 2709.0 |
| 27.5°  | 2238.6 | 2364.0 | 2489.3 | 2602.5 | 2659.1 | 2688.8 | 2754.8 | 2796.6 | 2819.5 | 2829.0 | 2822.2 |
| 30°    | 2285.8 | 2439.5 | 2585.0 | 2686.1 | 2723.8 | 2760.2 | 2803.4 | 2819.5 | 2814.1 | 2814.1 | 2834.4 |
| 32.5°  | 2334.3 | 2493.4 | 2622.8 | 2688.8 | 2702.3 | 2696.9 | 2679.4 | 2630.8 | 2602.5 | 2602.5 | 2620.1 |
| 35°    | 2361.3 | 2498.8 | 2564.8 | 2543.2 | 2490.7 | 2459.7 | 2364.0 | 2310.1 | 2249.4 | 2245.4 | 2265.6 |
| 37.5°  | 2346.5 | 2405.8 | 2378.8 | 2237.3 | 2165.9 | 2106.6 | 1957.0 | 1897.7 | 1853.2 | 1791.2 | 1886.9 |
| 40°    | 2242.7 | 2222.5 | 2082.3 | 1878.8 | 1799.3 | 1715.7 | 1597.1 | 1537.8 | 1475.8 | 1466.4 | 1489.3 |
| 42.5°  | 2067.5 | 1947.5 | 1742.7 | 1545.9 | 1465.0 | 1405.7 | 1315.4 | 1257.5 | 1218.4 | 1202.2 | 1229.2 |
| 45°    | 1849.1 | 1660.5 | 1455.6 | 1299.2 | 1210.3 | 1179.3 | 1097.1 | 1045.9 | 1016.2 | 1004.1 | 1023.0 |
| 47.5°  | 1582.3 | 1392.2 | 1198.2 | 1066.1 | 1013.5 | 982.5  | 927.3  | 882.8  | 857.2  | 849.1  | 857.2  |
| 50°    | 1343.7 | 1148.3 | 985.2  | 900.3  | 853.1  | 827.5  | 781.7  | 753.4  | 733.2  | 727.8  | 741.3  |
| 52.5°  | 1137.5 | 959.6  | 835.6  | 760.1  | 729.1  | 707.6  | 675.2  | 651.0  | 638.8  | 633.5  | 642.9  |
| 55°    | 952.9  | 808.7  | 708.9  | 644.2  | 621.3  | 607.8  | 579.5  | 566.1  | 552.6  | 551.2  | 560.7  |
| 57.5°  | 789.8  | 690.1  | 598.4  | 552.6  | 545.8  | 525.6  | 501.4  | 489.2  | 482.5  | 481.2  | 485.2  |
| 60°    | 657.7  | 568.8  | 513.5  | 473.1  | 463.6  | 447.5  | 434.0  | 425.9  | 417.8  | 415.1  | 417.8  |
| 62.5°  | 547.2  | 477.1  | 432.6  | 405.7  | 392.2  | 388.2  | 373.3  | 363.9  | 362.5  | 362.5  | 365.2  |
| 65°    | 451.5  | 392.2  | 363.9  | 342.3  | 332.9  | 328.9  | 318.1  | 311.3  | 312.7  | 312.7  | 314.0  |
| 67.5°  | 367.9  | 324.8  | 299.2  | 288.4  | 280.3  | 279.0  | 268.2  | 265.5  | 262.8  | 262.8  | 265.5  |
| 70°    | 292.5  | 265.5  | 246.6  | 241.3  | 239.9  | 230.5  | 226.4  | 225.1  | 221.0  | 222.4  | 222.4  |
| 72.5°  | 229.1  | 211.6  | 200.8  | 192.7  | 194.1  | 188.7  | 183.3  | 183.3  | 180.6  | 184.6  | 184.6  |
| 75°    | 169.8  | 161.7  | 153.6  | 151.0  | 153.6  | 151.0  | 146.9  | 145.6  | 146.9  | 145.6  | 145.6  |
| 77.5°  | 125.3  | 121.3  | 118.6  | 117.3  | 117.3  | 111.9  | 109.2  | 111.9  | 106.5  | 109.2  | 109.2  |
| 80°    | 87.6   | 82.2   | 80.9   | 78.2   | 79.5   | 75.5   | 76.8   | 74.1   | 74.1   | 74.1   | 74.1   |
| 82.5°  | 55.3   | 53.9   | 53.9   | 53.9   | 52.6   | 52.6   | 52.6   | 52.6   | 52.6   | 52.6   | 51.2   |
| 85°    | 33.7   | 32.3   | 32.3   | 32.3   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   |
| 87.5°  | 13.5   | 14.8   | 14.8   | 16.2   | 14.8   | 13.5   | 13.5   | 13.5   | 14.8   | 14.8   | 13.5   |
| 90°    | 9.8    | 10.5   | 11.1   | 11.8   | 12.1   | 12.3   | 12.7   | 13.0   | 13.4   | 13.8   | 13.4   |
| 92.5°  | 9.8    | 10.5   | 11.1   | 11.8   | 12.1   | 12.2   | 12.3   | 12.4   | 12.5   | 12.6   | 12.5   |
| 95°    | 9.8    | 10.5   | 11.1   | 11.8   | 12.1   | 12.1   | 12.1   | 12.1   | 12.1   | 12.1   | 12.1   |
| 97.5°  | 10.6   | 10.8   | 11.1   | 11.4   | 11.5   | 11.6   | 11.7   | 11.8   | 12.0   | 12.1   | 12.0   |
| 100°   | 80.9   | 61.9   | 42.9   | 23.9   | 14.4   | 14.1   | 13.6   | 13.1   | 12.6   | 12.1   | 12.6   |
| 102.5° | 134.6  | 134.8  | 135.1  | 135.4  | 135.5  | 130.1  | 119.4  | 108.7  | 98.0   | 87.3   | 98.0   |
| 105°   | 171.1  | 171.1  | 171.1  | 171.1  | 171.1  | 171.0  | 170.9  | 170.8  | 170.6  | 170.5  | 170.6  |
| 107.5° | 209.1  | 209.2  | 209.3  | 209.4  | 209.5  | 209.2  | 208.7  | 208.2  | 207.7  | 207.2  | 207.7  |
| 110°   | 246.4  | 246.0  | 245.7  | 245.3  | 245.1  | 245.2  | 245.3  | 245.4  | 245.6  | 245.7  | 245.6  |



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**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 283.1 | 282.6 | 282.1 | 281.6 | 281.3 | 281.2 | 280.9 | 280.6 | 280.4 | 280.1 | 280.4 |
| 115°   | 319.8 | 319.3 | 318.8 | 318.3 | 318.0 | 317.6 | 316.9 | 316.1 | 315.4 | 314.6 | 315.4 |
| 117.5° | 355.7 | 355.0 | 354.2 | 353.5 | 353.1 | 353.0 | 352.7 | 352.4 | 352.2 | 351.9 | 352.2 |
| 120°   | 389.5 | 389.3 | 389.0 | 388.7 | 388.6 | 388.3 | 387.7 | 387.0 | 386.4 | 385.8 | 386.4 |
| 122.5° | 422.3 | 422.0 | 421.8 | 421.5 | 421.4 | 421.0 | 420.2 | 419.5 | 418.7 | 417.9 | 418.7 |
| 125°   | 454.2 | 453.7 | 453.2 | 452.7 | 452.4 | 452.2 | 451.8 | 451.4 | 451.0 | 450.6 | 451.0 |
| 127.5° | 483.1 | 482.9 | 482.6 | 482.3 | 482.2 | 481.7 | 480.7 | 479.6 | 478.6 | 477.6 | 478.6 |
| 130°   | 511.7 | 511.3 | 510.9 | 510.5 | 510.3 | 510.0 | 509.4 | 508.7 | 508.1 | 507.5 | 508.1 |
| 132.5° | 537.9 | 537.9 | 537.9 | 537.9 | 537.9 | 537.6 | 536.9 | 536.3 | 535.6 | 535.0 | 535.6 |
| 135°   | 564.1 | 563.8 | 563.6 | 563.3 | 563.2 | 562.8 | 562.0 | 561.3 | 560.5 | 559.7 | 560.5 |
| 137.5° | 588.4 | 588.4 | 588.4 | 588.4 | 588.4 | 588.1 | 587.5 | 586.8 | 586.2 | 585.6 | 586.2 |
| 140°   | 610.5 | 610.7 | 611.0 | 611.3 | 611.4 | 611.0 | 610.2 | 609.5 | 608.7 | 607.9 | 608.7 |
| 142.5° | 632.6 | 632.6 | 632.6 | 632.6 | 632.6 | 632.2 | 631.5 | 630.7 | 630.0 | 629.2 | 630.0 |
| 145°   | 652.8 | 653.0 | 653.1 | 653.2 | 653.3 | 652.9 | 652.1 | 651.4 | 650.6 | 649.8 | 650.6 |
| 147.5° | 670.6 | 670.8 | 670.9 | 671.0 | 671.1 | 670.7 | 669.8 | 668.9 | 668.0 | 667.1 | 668.0 |
| 150°   | 687.4 | 687.7 | 687.9 | 688.2 | 688.3 | 687.8 | 686.8 | 685.7 | 684.7 | 683.7 | 684.7 |
| 152.5° | 702.3 | 702.6 | 702.8 | 703.1 | 703.2 | 702.8 | 701.9 | 701.0 | 700.1 | 699.2 | 700.1 |
| 155°   | 715.7 | 716.1 | 716.4 | 716.8 | 717.0 | 716.5 | 715.5 | 714.4 | 713.4 | 712.4 | 713.4 |
| 157.5° | 727.2 | 727.6 | 727.9 | 728.3 | 728.5 | 728.0 | 727.0 | 725.9 | 724.9 | 723.9 | 724.9 |
| 160°   | 737.6 | 738.1 | 738.6 | 739.1 | 739.4 | 738.9 | 737.9 | 736.8 | 735.8 | 734.8 | 735.8 |
| 162.5° | 747.1 | 747.8 | 748.6 | 749.3 | 749.7 | 749.1 | 748.0 | 746.9 | 745.7 | 744.6 | 745.7 |
| 165°   | 755.1 | 755.9 | 756.6 | 757.4 | 757.8 | 757.3 | 756.3 | 755.2 | 754.2 | 753.2 | 754.2 |
| 167.5° | 761.5 | 762.4 | 763.3 | 764.2 | 764.7 | 764.1 | 763.0 | 761.8 | 760.7 | 759.5 | 760.7 |
| 170°   | 766.2 | 767.2 | 768.3 | 769.3 | 769.8 | 769.2 | 768.1 | 767.0 | 765.8 | 764.7 | 765.8 |
| 172.5° | 770.2 | 771.1 | 772.0 | 772.9 | 773.3 | 772.7 | 771.6 | 770.4 | 769.3 | 768.1 | 769.3 |
| 175°   | 772.5 | 773.5 | 774.6 | 775.6 | 776.1 | 775.5 | 774.4 | 773.3 | 772.1 | 771.0 | 772.1 |
| 177.5° | 774.2 | 775.1 | 776.0 | 776.9 | 777.3 | 776.8 | 775.8 | 774.7 | 773.7 | 772.7 | 773.7 |
| 180°   | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 |

TEST NUMBER: P1027086

CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 |
| 2.5°   | 1749.4 | 1740.0 | 1744.0 | 1740.0 | 1735.9 | 1731.9 | 1722.4 | 1709.0 | 1698.2 | 1690.1 | 1688.8 |
| 5°     | 1884.2 | 1872.0 | 1864.0 | 1859.9 | 1851.8 | 1841.1 | 1823.5 | 1803.3 | 1779.1 | 1769.6 | 1750.8 |
| 7.5°   | 2008.2 | 2004.1 | 1985.3 | 1982.6 | 1977.2 | 1957.0 | 1927.3 | 1900.4 | 1869.4 | 1843.7 | 1819.5 |
| 10°    | 2125.4 | 2116.0 | 2102.5 | 2083.6 | 2081.0 | 2055.3 | 2027.0 | 1989.3 | 1948.9 | 1924.6 | 1881.5 |
| 12.5°  | 2198.2 | 2187.4 | 2172.6 | 2160.5 | 2153.7 | 2137.6 | 2098.5 | 2060.7 | 2024.3 | 1979.9 | 1942.1 |
| 15°    | 2250.8 | 2237.3 | 2210.3 | 2200.9 | 2192.8 | 2171.3 | 2143.0 | 2103.9 | 2055.3 | 2024.3 | 1970.4 |
| 17.5°  | 2322.2 | 2306.0 | 2279.1 | 2261.6 | 2246.7 | 2213.0 | 2172.6 | 2120.0 | 2074.2 | 2039.2 | 1990.7 |
| 20°    | 2404.4 | 2380.2 | 2345.1 | 2322.2 | 2300.6 | 2261.6 | 2204.9 | 2143.0 | 2076.9 | 2033.8 | 1983.9 |
| 22.5°  | 2540.5 | 2494.7 | 2439.5 | 2407.1 | 2377.5 | 2310.1 | 2242.7 | 2165.9 | 2091.7 | 2027.0 | 1966.4 |
| 25°    | 2672.6 | 2626.8 | 2558.1 | 2513.6 | 2467.8 | 2389.6 | 2300.6 | 2194.2 | 2099.8 | 2024.3 | 1944.8 |
| 27.5°  | 2795.3 | 2748.1 | 2684.8 | 2630.8 | 2586.4 | 2469.1 | 2351.9 | 2231.9 | 2112.0 | 2008.2 | 1927.3 |
| 30°    | 2823.6 | 2803.4 | 2754.8 | 2707.7 | 2667.2 | 2559.4 | 2423.3 | 2271.0 | 2126.8 | 1993.3 | 1903.0 |
| 32.5°  | 2652.4 | 2702.3 | 2714.4 | 2707.7 | 2682.1 | 2605.2 | 2479.9 | 2319.5 | 2148.3 | 1986.6 | 1862.6 |
| 35°    | 2296.6 | 2386.9 | 2479.9 | 2529.8 | 2554.0 | 2564.8 | 2490.7 | 2343.8 | 2163.2 | 1975.8 | 1835.7 |
| 37.5°  | 1904.4 | 1992.0 | 2138.9 | 2213.0 | 2295.2 | 2403.1 | 2432.7 | 2338.4 | 2156.4 | 1967.7 | 1792.5 |
| 40°    | 1564.8 | 1676.6 | 1797.9 | 1865.3 | 1936.7 | 2130.8 | 2277.7 | 2266.9 | 2134.9 | 1938.1 | 1758.8 |
| 42.5°  | 1273.6 | 1343.7 | 1450.2 | 1524.3 | 1611.9 | 1828.9 | 2025.7 | 2122.7 | 2070.2 | 1901.7 | 1715.7 |
| 45°    | 1062.0 | 1116.0 | 1191.4 | 1266.9 | 1320.8 | 1517.6 | 1750.8 | 1909.8 | 1959.7 | 1837.0 | 1649.7 |
| 47.5°  | 894.9  | 935.4  | 1001.4 | 1048.6 | 1106.5 | 1261.5 | 1463.7 | 1687.4 | 1792.5 | 1745.4 | 1579.6 |
| 50°    | 766.9  | 799.2  | 851.8  | 881.4  | 932.7  | 1066.1 | 1219.7 | 1454.2 | 1613.3 | 1618.7 | 1486.6 |
| 52.5°  | 655.0  | 687.4  | 731.8  | 757.4  | 788.4  | 878.7  | 1033.7 | 1231.9 | 1415.2 | 1482.5 | 1380.1 |
| 55°    | 570.1  | 589.0  | 625.4  | 645.6  | 673.9  | 761.5  | 859.9  | 1028.3 | 1219.7 | 1330.2 | 1265.6 |
| 57.5°  | 491.9  | 512.2  | 535.1  | 551.2  | 571.5  | 641.5  | 730.5  | 857.2  | 1047.2 | 1167.2 | 1145.6 |
| 60°    | 428.6  | 440.7  | 462.3  | 474.4  | 493.3  | 539.1  | 601.1  | 727.8  | 878.7  | 992.0  | 1004.1 |
| 62.5°  | 369.3  | 380.1  | 394.9  | 405.7  | 417.8  | 454.2  | 500.0  | 590.3  | 722.4  | 845.1  | 861.2  |
| 65°    | 318.1  | 327.5  | 335.6  | 345.0  | 354.5  | 377.4  | 416.5  | 486.5  | 589.0  | 703.5  | 738.6  |
| 67.5°  | 272.2  | 274.9  | 287.1  | 288.4  | 293.8  | 311.3  | 339.6  | 396.2  | 470.4  | 562.0  | 607.8  |
| 70°    | 227.8  | 233.2  | 235.9  | 239.9  | 245.3  | 257.4  | 280.3  | 310.0  | 365.2  | 439.4  | 482.5  |
| 72.5°  | 184.6  | 186.0  | 190.0  | 192.7  | 198.1  | 207.6  | 218.3  | 241.3  | 276.3  | 330.2  | 369.3  |
| 75°    | 146.9  | 148.3  | 151.0  | 152.3  | 156.3  | 159.0  | 164.4  | 180.6  | 204.9  | 237.2  | 265.5  |
| 77.5°  | 110.5  | 113.2  | 115.9  | 115.9  | 117.3  | 120.0  | 122.6  | 128.0  | 140.2  | 161.7  | 186.0  |
| 80°    | 75.5   | 76.8   | 76.8   | 78.2   | 76.8   | 80.9   | 84.9   | 91.6   | 97.0   | 103.8  | 115.9  |
| 82.5°  | 52.6   | 52.6   | 52.6   | 53.9   | 53.9   | 55.3   | 55.3   | 56.6   | 58.0   | 62.0   | 67.4   |
| 85°    | 32.3   | 32.3   | 33.7   | 31.0   | 32.3   | 33.7   | 33.7   | 32.3   | 33.7   | 35.0   | 36.4   |
| 87.5°  | 13.5   | 13.5   | 14.8   | 14.8   | 14.8   | 14.8   | 13.5   | 14.8   | 13.5   | 14.8   | 14.8   |
| 90°    | 13.0   | 12.7   | 12.3   | 12.1   | 11.8   | 11.1   | 10.5   | 9.8    | 9.2    | 8.3    | 7.4    |
| 92.5°  | 12.4   | 12.3   | 12.2   | 12.1   | 11.8   | 11.1   | 10.5   | 9.8    | 9.2    | 8.4    | 7.6    |
| 95°    | 12.1   | 12.1   | 12.1   | 12.1   | 11.8   | 11.1   | 10.5   | 9.8    | 9.2    | 14.0   | 18.9   |
| 97.5°  | 11.8   | 11.7   | 11.6   | 11.5   | 11.4   | 11.1   | 10.8   | 10.6   | 10.3   | 22.4   | 34.6   |
| 100°   | 13.1   | 13.6   | 14.1   | 14.4   | 23.9   | 42.9   | 61.9   | 80.9   | 99.9   | 99.4   | 98.9   |
| 102.5° | 108.7  | 119.4  | 130.1  | 135.5  | 135.4  | 135.1  | 134.8  | 134.6  | 134.3  | 134.1  | 133.8  |
| 105°   | 170.8  | 170.9  | 171.0  | 171.1  | 171.1  | 171.1  | 171.1  | 171.1  | 171.1  | 171.1  | 171.1  |
| 107.5° | 208.2  | 208.7  | 209.2  | 209.5  | 209.4  | 209.3  | 209.2  | 209.1  | 209.0  | 208.7  | 208.5  |
| 110°   | 245.4  | 245.3  | 245.2  | 245.1  | 245.3  | 245.7  | 246.0  | 246.4  | 246.8  | 246.6  | 246.3  |

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**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 280.6 | 280.9 | 281.2 | 281.3  | 281.6 | 282.1 | 282.6 | 283.1 | 283.6 | 283.5 | 283.3 |
| 115°   | 316.1 | 316.9 | 317.6 | 318.0  | 318.3 | 318.8 | 319.3 | 319.8 | 320.3 | 320.2 | 320.1 |
| 117.5° | 352.4 | 352.7 | 353.0 | 353.1  | 353.5 | 354.2 | 355.0 | 355.7 | 356.5 | 356.0 | 355.5 |
| 120°   | 387.0 | 387.7 | 388.3 | 388.6  | 388.7 | 389.0 | 389.3 | 389.5 | 389.8 | 389.4 | 389.0 |
| 122.5° | 419.5 | 420.2 | 421.0 | 421.4  | 421.5 | 421.8 | 422.0 | 422.3 | 422.5 | 422.4 | 422.2 |
| 125°   | 451.4 | 451.8 | 452.2 | 452.4  | 452.7 | 453.2 | 453.7 | 454.2 | 454.7 | 454.7 | 454.7 |
| 127.5° | 479.6 | 480.7 | 481.7 | 482.2  | 482.3 | 482.6 | 482.9 | 483.1 | 483.4 | 483.5 | 483.6 |
| 130°   | 508.7 | 509.4 | 510.0 | 510.3  | 510.5 | 510.9 | 511.3 | 511.7 | 512.1 | 512.0 | 511.8 |
| 132.5° | 536.3 | 536.9 | 537.6 | 537.9  | 537.9 | 537.9 | 537.9 | 537.9 | 537.9 | 538.3 | 538.7 |
| 135°   | 561.3 | 562.0 | 562.8 | 563.2  | 563.3 | 563.6 | 563.8 | 564.1 | 564.3 | 564.6 | 564.8 |
| 137.5° | 586.8 | 587.5 | 588.1 | 588.4  | 588.4 | 588.4 | 588.4 | 588.4 | 588.4 | 588.7 | 588.9 |
| 140°   | 609.5 | 610.2 | 611.0 | 611.4  | 611.3 | 611.0 | 610.7 | 610.5 | 610.2 | 610.3 | 610.5 |
| 142.5° | 630.7 | 631.5 | 632.2 | 632.6  | 632.6 | 632.6 | 632.6 | 632.6 | 632.6 | 632.4 | 632.1 |
| 145°   | 651.4 | 652.1 | 652.9 | 653.3  | 653.2 | 653.1 | 653.0 | 652.8 | 652.7 | 652.7 | 652.7 |
| 147.5° | 668.9 | 669.8 | 670.7 | 671.1  | 671.0 | 670.9 | 670.8 | 670.6 | 670.5 | 670.4 | 670.2 |
| 150°   | 685.7 | 686.8 | 687.8 | 688.3  | 688.2 | 687.9 | 687.7 | 687.4 | 687.2 | 686.9 | 686.7 |
| 152.5° | 701.0 | 701.9 | 702.8 | 703.2  | 703.1 | 702.8 | 702.6 | 702.3 | 702.1 | 701.8 | 701.6 |
| 155°   | 714.4 | 715.5 | 716.5 | 717.0  | 716.8 | 716.4 | 716.1 | 715.7 | 715.3 | 715.0 | 714.8 |
| 157.5° | 725.9 | 727.0 | 728.0 | 728.5  | 728.3 | 727.9 | 727.6 | 727.2 | 726.8 | 726.8 | 726.8 |
| 160°   | 736.8 | 737.9 | 738.9 | 739.4  | 739.1 | 738.6 | 738.1 | 737.6 | 737.1 | 737.0 | 736.8 |
| 162.5° | 746.9 | 748.0 | 749.1 | 749.7  | 749.3 | 748.6 | 747.8 | 747.1 | 746.3 | 746.2 | 746.0 |
| 165°   | 755.2 | 756.3 | 757.3 | 757.8  | 757.4 | 756.6 | 755.9 | 755.1 | 754.3 | 754.2 | 754.1 |
| 167.5° | 761.8 | 763.0 | 764.1 | 764.7  | 764.2 | 763.3 | 762.4 | 761.5 | 760.6 | 760.5 | 760.4 |
| 170°   | 767.0 | 768.1 | 769.2 | 769.8  | 769.3 | 768.3 | 767.2 | 766.2 | 765.2 | 765.1 | 765.0 |
| 172.5° | 770.4 | 771.6 | 772.7 | 773.3  | 772.9 | 772.0 | 771.1 | 770.2 | 769.3 | 769.0 | 768.8 |
| 175°   | 773.3 | 774.4 | 775.5 | 776.1  | 775.6 | 774.6 | 773.5 | 772.5 | 771.5 | 771.4 | 771.3 |
| 177.5° | 774.7 | 775.8 | 776.8 | 777.3  | 776.9 | 776.0 | 775.1 | 774.2 | 773.3 | 773.2 | 773.0 |
| 180°   | 774.4 | 774.4 | 774.4 | 774.4  | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 |
| 2.5°   | 1684.7 | 1676.6 | 1671.2 | 1669.9 | 1661.8 | 1655.1 | 1647.0 | 1645.6 | 1641.6 | 1630.8 | 1624.1 |
| 5°     | 1737.3 | 1718.4 | 1714.4 | 1702.2 | 1682.0 | 1667.2 | 1648.3 | 1637.5 | 1625.4 | 1605.2 | 1589.0 |
| 7.5°   | 1791.2 | 1765.6 | 1746.7 | 1729.2 | 1700.9 | 1673.9 | 1647.0 | 1625.4 | 1603.8 | 1574.2 | 1549.9 |
| 10°    | 1843.7 | 1804.7 | 1781.7 | 1756.1 | 1717.1 | 1676.6 | 1638.9 | 1607.9 | 1572.8 | 1537.8 | 1502.8 |
| 12.5°  | 1892.3 | 1842.4 | 1808.7 | 1772.3 | 1723.8 | 1673.9 | 1625.4 | 1582.3 | 1545.9 | 1498.7 | 1459.6 |
| 15°    | 1921.9 | 1866.7 | 1833.0 | 1797.9 | 1725.1 | 1669.9 | 1613.3 | 1558.0 | 1509.5 | 1459.6 | 1423.2 |
| 17.5°  | 1939.4 | 1877.4 | 1839.7 | 1807.4 | 1733.2 | 1657.8 | 1585.0 | 1525.7 | 1473.1 | 1413.8 | 1365.3 |
| 20°    | 1931.4 | 1870.7 | 1835.7 | 1804.7 | 1718.4 | 1642.9 | 1564.8 | 1496.0 | 1430.0 | 1369.3 | 1318.1 |
| 22.5°  | 1913.8 | 1850.5 | 1811.4 | 1783.1 | 1706.3 | 1617.3 | 1531.1 | 1456.9 | 1388.2 | 1327.6 | 1269.6 |
| 25°    | 1876.1 | 1814.1 | 1780.4 | 1745.4 | 1669.9 | 1585.0 | 1497.4 | 1417.9 | 1345.1 | 1280.4 | 1215.7 |
| 27.5°  | 1842.4 | 1766.9 | 1731.9 | 1700.9 | 1621.4 | 1545.9 | 1459.6 | 1372.0 | 1297.9 | 1230.5 | 1165.8 |
| 30°    | 1803.3 | 1718.4 | 1680.7 | 1638.9 | 1567.5 | 1496.0 | 1409.8 | 1328.9 | 1252.1 | 1180.6 | 1118.6 |
| 32.5°  | 1761.5 | 1663.1 | 1620.0 | 1572.8 | 1500.1 | 1432.7 | 1359.9 | 1280.4 | 1203.6 | 1133.5 | 1068.8 |
| 35°    | 1707.6 | 1602.5 | 1552.6 | 1508.2 | 1432.7 | 1365.3 | 1297.9 | 1231.9 | 1155.0 | 1080.9 | 1018.9 |
| 37.5°  | 1656.4 | 1540.5 | 1487.9 | 1436.7 | 1357.2 | 1292.5 | 1237.3 | 1175.3 | 1101.1 | 1029.7 | 970.4  |
| 40°    | 1598.5 | 1465.0 | 1411.1 | 1363.9 | 1281.7 | 1210.3 | 1160.4 | 1111.9 | 1047.2 | 978.5  | 913.8  |
| 42.5°  | 1545.9 | 1394.9 | 1338.3 | 1289.8 | 1203.6 | 1136.2 | 1089.0 | 1048.6 | 992.0  | 928.6  | 862.6  |
| 45°    | 1473.1 | 1319.5 | 1261.5 | 1210.3 | 1122.7 | 1059.3 | 1010.8 | 975.8  | 931.3  | 872.0  | 812.7  |
| 47.5°  | 1405.7 | 1246.7 | 1183.3 | 1121.3 | 1041.8 | 977.1  | 932.7  | 905.7  | 876.0  | 823.5  | 762.8  |
| 50°    | 1323.5 | 1163.1 | 1098.4 | 1047.2 | 956.9  | 901.7  | 857.2  | 838.3  | 811.4  | 761.5  | 713.0  |
| 52.5°  | 1234.6 | 1082.3 | 1021.6 | 959.6  | 876.0  | 822.1  | 783.1  | 761.5  | 739.9  | 703.5  | 657.7  |
| 55°    | 1130.8 | 992.0  | 935.4  | 880.1  | 796.5  | 746.7  | 711.6  | 688.7  | 676.6  | 642.9  | 609.2  |
| 57.5°  | 1031.0 | 900.3  | 847.7  | 796.5  | 723.8  | 667.1  | 644.2  | 624.0  | 606.5  | 582.2  | 553.9  |
| 60°    | 930.0  | 811.4  | 754.8  | 708.9  | 645.6  | 594.4  | 575.5  | 555.3  | 541.8  | 522.9  | 502.7  |
| 62.5°  | 814.1  | 713.0  | 669.8  | 626.7  | 572.8  | 532.4  | 510.8  | 494.6  | 477.1  | 465.0  | 447.5  |
| 65°    | 691.4  | 620.0  | 578.2  | 545.8  | 494.6  | 458.2  | 442.1  | 431.3  | 416.5  | 404.3  | 390.9  |
| 67.5°  | 576.8  | 520.2  | 502.7  | 467.7  | 428.6  | 396.2  | 384.1  | 370.6  | 358.5  | 351.8  | 339.6  |
| 70°    | 466.3  | 425.9  | 408.4  | 398.9  | 355.8  | 334.2  | 323.5  | 318.1  | 303.2  | 296.5  | 288.4  |
| 72.5°  | 361.2  | 346.4  | 334.2  | 322.1  | 293.8  | 280.3  | 268.2  | 262.8  | 252.0  | 246.6  | 243.9  |
| 75°    | 266.9  | 257.4  | 250.7  | 249.3  | 237.2  | 223.7  | 211.6  | 208.9  | 200.8  | 195.4  | 192.7  |
| 77.5°  | 187.3  | 184.6  | 183.3  | 184.6  | 176.6  | 168.5  | 165.8  | 163.1  | 153.6  | 152.3  | 152.3  |
| 80°    | 122.6  | 129.4  | 129.4  | 128.0  | 125.3  | 124.0  | 120.0  | 117.3  | 111.9  | 110.5  | 111.9  |
| 82.5°  | 75.5   | 79.5   | 80.9   | 83.6   | 82.2   | 80.9   | 78.2   | 76.8   | 78.2   | 75.5   | 76.8   |
| 85°    | 37.7   | 40.4   | 45.8   | 45.8   | 47.2   | 47.2   | 47.2   | 45.8   | 43.1   | 44.5   | 43.1   |
| 87.5°  | 14.8   | 16.2   | 16.2   | 16.2   | 14.8   | 18.9   | 20.2   | 20.2   | 20.2   | 17.5   | 17.5   |
| 90°    | 6.5    | 5.6    | 5.2    | 4.7    | 3.7    | 2.6    | 1.6    | 0.6    | 1.6    | 2.6    | 3.7    |
| 92.5°  | 6.9    | 6.1    | 5.7    | 6.3    | 7.4    | 8.6    | 9.7    | 10.9   | 9.7    | 8.6    | 7.4    |
| 95°    | 23.7   | 28.6   | 31.0   | 31.2   | 31.6   | 31.9   | 32.3   | 32.7   | 32.3   | 31.9   | 31.6   |
| 97.5°  | 46.7   | 58.8   | 64.9   | 64.5   | 63.7   | 63.0   | 62.2   | 61.4   | 62.2   | 63.0   | 63.7   |
| 100°   | 98.4   | 97.9   | 97.6   | 97.4   | 97.0   | 96.7   | 96.3   | 95.9   | 96.3   | 96.7   | 97.0   |
| 102.5° | 133.6  | 133.3  | 133.2  | 132.9  | 132.4  | 131.9  | 131.4  | 130.9  | 131.4  | 131.9  | 132.4  |
| 105°   | 171.1  | 171.1  | 171.1  | 170.8  | 170.3  | 169.8  | 169.3  | 168.8  | 169.3  | 169.8  | 170.3  |
| 107.5° | 208.2  | 207.9  | 207.8  | 207.8  | 207.8  | 207.8  | 207.8  | 207.8  | 207.8  | 207.8  | 207.8  |
| 110°   | 246.1  | 245.8  | 245.7  | 245.7  | 245.7  | 245.7  | 245.7  | 245.7  | 245.7  | 245.7  | 245.7  |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 283.2 | 283.1 | 283.0  | 282.8 | 282.4 | 282.1 | 281.7 | 281.3 | 281.7 | 282.1 | 282.4 |
| 115°   | 320.0 | 319.9 | 319.8  | 319.5 | 318.8 | 318.2 | 317.5 | 316.9 | 317.5 | 318.2 | 318.8 |
| 117.5° | 355.0 | 354.5 | 354.2  | 354.2 | 354.2 | 354.2 | 354.2 | 354.2 | 354.2 | 354.2 | 354.2 |
| 120°   | 388.7 | 388.3 | 388.1  | 388.2 | 388.3 | 388.4 | 388.5 | 388.6 | 388.5 | 388.4 | 388.3 |
| 122.5° | 422.1 | 422.0 | 421.9  | 421.6 | 421.0 | 420.3 | 419.7 | 419.1 | 419.7 | 420.3 | 421.0 |
| 125°   | 454.7 | 454.7 | 454.7  | 454.2 | 453.3 | 452.4 | 451.5 | 450.6 | 451.5 | 452.4 | 453.3 |
| 127.5° | 483.7 | 483.8 | 483.9  | 483.6 | 483.0 | 482.3 | 481.7 | 481.1 | 481.7 | 482.3 | 483.0 |
| 130°   | 511.7 | 511.6 | 511.5  | 511.2 | 510.5 | 509.9 | 509.2 | 508.6 | 509.2 | 509.9 | 510.5 |
| 132.5° | 539.0 | 539.4 | 539.6  | 539.2 | 538.5 | 537.7 | 537.0 | 536.2 | 537.0 | 537.7 | 538.5 |
| 135°   | 565.1 | 565.4 | 565.5  | 565.1 | 564.3 | 563.6 | 562.8 | 562.0 | 562.8 | 563.6 | 564.3 |
| 137.5° | 589.2 | 589.5 | 589.6  | 589.2 | 588.4 | 587.7 | 586.9 | 586.1 | 586.9 | 587.7 | 588.4 |
| 140°   | 610.6 | 610.7 | 610.8  | 610.7 | 610.4 | 610.2 | 609.9 | 609.7 | 609.9 | 610.2 | 610.4 |
| 142.5° | 631.9 | 631.6 | 631.5  | 631.4 | 631.3 | 631.2 | 631.0 | 630.9 | 631.0 | 631.2 | 631.3 |
| 145°   | 652.7 | 652.7 | 652.7  | 652.6 | 652.3 | 652.1 | 651.8 | 651.6 | 651.8 | 652.1 | 652.3 |
| 147.5° | 670.1 | 670.0 | 669.9  | 669.9 | 669.9 | 669.9 | 669.9 | 669.9 | 669.9 | 669.9 | 669.9 |
| 150°   | 686.4 | 686.1 | 686.0  | 686.1 | 686.4 | 686.7 | 686.9 | 687.2 | 686.9 | 686.7 | 686.4 |
| 152.5° | 701.3 | 701.0 | 700.9  | 701.2 | 701.9 | 702.5 | 703.2 | 703.8 | 703.2 | 702.5 | 701.9 |
| 155°   | 714.5 | 714.2 | 714.1  | 714.5 | 715.3 | 716.0 | 716.8 | 717.6 | 716.8 | 716.0 | 715.3 |
| 157.5° | 726.8 | 726.8 | 726.8  | 727.0 | 727.4 | 727.7 | 728.1 | 728.5 | 728.1 | 727.7 | 727.4 |
| 160°   | 736.7 | 736.6 | 736.5  | 736.9 | 737.7 | 738.4 | 739.2 | 740.0 | 739.2 | 738.4 | 737.7 |
| 162.5° | 745.9 | 745.8 | 745.7  | 746.1 | 746.9 | 747.6 | 748.4 | 749.2 | 748.4 | 747.6 | 746.9 |
| 165°   | 754.0 | 753.9 | 753.8  | 754.2 | 754.9 | 755.7 | 756.4 | 757.2 | 756.4 | 755.7 | 754.9 |
| 167.5° | 760.3 | 760.2 | 760.1  | 760.5 | 761.2 | 762.0 | 762.7 | 763.5 | 762.7 | 762.0 | 761.2 |
| 170°   | 764.9 | 764.8 | 764.7  | 765.1 | 766.0 | 766.9 | 767.8 | 768.7 | 767.8 | 766.9 | 766.0 |
| 172.5° | 768.5 | 768.2 | 768.1  | 768.5 | 769.4 | 770.3 | 771.2 | 772.1 | 771.2 | 770.3 | 769.4 |
| 175°   | 771.2 | 771.1 | 771.0  | 771.4 | 772.1 | 772.9 | 773.6 | 774.4 | 773.6 | 772.9 | 772.1 |
| 177.5° | 772.9 | 772.8 | 772.7  | 773.1 | 773.8 | 774.6 | 775.3 | 776.1 | 775.3 | 774.6 | 773.8 |
| 180°   | 774.4 | 774.4 | 774.4  | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 |

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**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 |
| 2.5°   | 1620.0 | 1614.6 | 1610.6 | 1606.5 | 1589.0 | 1570.1 | 1567.5 | 1563.4 | 1555.3 | 1564.8 | 1560.7 |
| 5°     | 1578.2 | 1566.1 | 1559.4 | 1541.8 | 1520.3 | 1504.1 | 1490.6 | 1474.5 | 1467.7 | 1462.3 | 1461.0 |
| 7.5°   | 1527.0 | 1516.2 | 1504.1 | 1486.6 | 1459.6 | 1432.7 | 1412.5 | 1396.3 | 1382.8 | 1376.1 | 1376.1 |
| 10°    | 1477.2 | 1463.7 | 1447.5 | 1417.9 | 1392.2 | 1358.6 | 1337.0 | 1320.8 | 1301.9 | 1291.2 | 1281.7 |
| 12.5°  | 1425.9 | 1411.1 | 1396.3 | 1358.6 | 1328.9 | 1293.9 | 1262.9 | 1242.6 | 1233.2 | 1221.1 | 1204.9 |
| 15°    | 1374.7 | 1351.8 | 1337.0 | 1299.2 | 1261.5 | 1226.5 | 1206.3 | 1184.7 | 1163.1 | 1151.0 | 1145.6 |
| 17.5°  | 1320.8 | 1304.6 | 1280.4 | 1239.9 | 1198.2 | 1167.2 | 1137.5 | 1117.3 | 1091.7 | 1079.6 | 1067.4 |
| 20°    | 1272.3 | 1248.0 | 1223.8 | 1183.3 | 1142.9 | 1101.1 | 1071.5 | 1047.2 | 1031.0 | 1021.6 | 1010.8 |
| 22.5°  | 1214.3 | 1191.4 | 1171.2 | 1128.1 | 1083.6 | 1044.5 | 1012.2 | 997.3  | 981.2  | 966.3  | 955.6  |
| 25°    | 1164.5 | 1141.6 | 1121.3 | 1074.2 | 1025.7 | 989.3  | 965.0  | 946.1  | 928.6  | 921.9  | 911.1  |
| 27.5°  | 1111.9 | 1090.3 | 1063.4 | 1016.2 | 973.1  | 942.1  | 916.5  | 899.0  | 885.5  | 872.0  | 863.9  |
| 30°    | 1062.0 | 1037.8 | 1013.5 | 962.3  | 927.3  | 896.3  | 872.0  | 850.4  | 839.7  | 832.9  | 819.4  |
| 32.5°  | 1013.5 | 982.5  | 962.3  | 915.1  | 881.4  | 851.8  | 831.6  | 812.7  | 799.2  | 787.1  | 776.3  |
| 35°    | 961.0  | 927.3  | 907.0  | 868.0  | 832.9  | 803.3  | 785.7  | 772.3  | 756.1  | 745.3  | 739.9  |
| 37.5°  | 911.1  | 882.8  | 862.6  | 822.1  | 787.1  | 762.8  | 744.0  | 726.4  | 719.7  | 704.9  | 702.2  |
| 40°    | 857.2  | 832.9  | 814.1  | 775.0  | 742.6  | 723.8  | 703.5  | 687.4  | 675.2  | 668.5  | 659.1  |
| 42.5°  | 808.7  | 788.4  | 768.2  | 731.8  | 700.8  | 677.9  | 663.1  | 648.3  | 637.5  | 626.7  | 620.0  |
| 45°    | 764.2  | 742.6  | 723.8  | 688.7  | 657.7  | 637.5  | 622.7  | 605.1  | 602.5  | 587.6  | 580.9  |
| 47.5°  | 717.0  | 698.1  | 682.0  | 645.6  | 617.3  | 597.1  | 579.5  | 567.4  | 555.3  | 549.9  | 540.5  |
| 50°    | 671.2  | 652.3  | 633.5  | 601.1  | 575.5  | 555.3  | 537.8  | 524.3  | 517.5  | 509.5  | 501.4  |
| 52.5°  | 621.3  | 606.5  | 591.7  | 558.0  | 532.4  | 514.8  | 500.0  | 482.5  | 475.8  | 469.0  | 463.6  |
| 55°    | 579.5  | 558.0  | 541.8  | 513.5  | 490.6  | 471.7  | 455.5  | 442.1  | 435.3  | 429.9  | 423.2  |
| 57.5°  | 522.9  | 509.5  | 496.0  | 470.4  | 448.8  | 429.9  | 413.8  | 403.0  | 394.9  | 390.9  | 392.2  |
| 60°    | 474.4  | 459.6  | 451.5  | 424.5  | 403.0  | 388.2  | 373.3  | 362.5  | 354.5  | 350.4  | 349.1  |
| 62.5°  | 423.2  | 412.4  | 397.6  | 378.7  | 357.2  | 343.7  | 332.9  | 324.8  | 311.3  | 310.0  | 305.9  |
| 65°    | 373.3  | 365.2  | 351.8  | 334.2  | 316.7  | 304.6  | 292.5  | 281.7  | 276.3  | 269.6  | 265.5  |
| 67.5°  | 324.8  | 316.7  | 304.6  | 289.8  | 277.6  | 265.5  | 254.7  | 243.9  | 234.5  | 229.1  | 226.4  |
| 70°    | 277.6  | 270.9  | 262.8  | 245.3  | 230.5  | 221.0  | 212.9  | 206.2  | 196.8  | 194.1  | 192.7  |
| 72.5°  | 231.8  | 225.1  | 221.0  | 206.2  | 192.7  | 184.6  | 176.6  | 169.8  | 165.8  | 164.4  | 160.4  |
| 75°    | 190.0  | 183.3  | 177.9  | 164.4  | 156.3  | 151.0  | 142.9  | 140.2  | 136.1  | 134.8  | 133.4  |
| 77.5°  | 148.3  | 141.5  | 140.2  | 130.7  | 121.3  | 118.6  | 115.9  | 110.5  | 110.5  | 110.5  | 107.8  |
| 80°    | 106.5  | 105.1  | 103.8  | 94.3   | 90.3   | 87.6   | 86.3   | 82.2   | 79.5   | 76.8   | 75.5   |
| 82.5°  | 71.4   | 70.1   | 68.7   | 64.7   | 60.6   | 59.3   | 58.0   | 55.3   | 55.3   | 56.6   | 53.9   |
| 85°    | 43.1   | 40.4   | 39.1   | 37.7   | 35.0   | 35.0   | 36.4   | 35.0   | 35.0   | 35.0   | 33.7   |
| 87.5°  | 16.2   | 16.2   | 16.2   | 16.2   | 17.5   | 14.8   | 16.2   | 16.2   | 14.8   | 14.8   | 13.5   |
| 90°    | 4.7    | 5.2    | 5.6    | 6.5    | 7.4    | 8.3    | 9.2    | 9.8    | 10.5   | 11.1   | 11.8   |
| 92.5°  | 6.3    | 5.7    | 6.1    | 6.9    | 7.6    | 8.4    | 9.2    | 9.8    | 10.5   | 11.1   | 11.8   |
| 95°    | 31.2   | 31.0   | 28.6   | 23.7   | 18.9   | 14.0   | 9.2    | 9.8    | 10.5   | 11.1   | 11.8   |
| 97.5°  | 64.5   | 64.9   | 58.8   | 46.7   | 34.6   | 22.4   | 10.3   | 10.6   | 10.8   | 11.1   | 11.4   |
| 100°   | 97.4   | 97.6   | 97.9   | 98.4   | 98.9   | 99.4   | 99.9   | 80.9   | 61.9   | 42.9   | 23.9   |
| 102.5° | 132.9  | 133.2  | 133.3  | 133.6  | 133.8  | 134.1  | 134.3  | 134.6  | 134.8  | 135.1  | 135.4  |
| 105°   | 170.8  | 171.1  | 171.1  | 171.1  | 171.1  | 171.1  | 171.1  | 171.1  | 171.1  | 171.1  | 171.1  |
| 107.5° | 207.8  | 207.8  | 207.9  | 208.2  | 208.5  | 208.7  | 209.0  | 209.1  | 209.2  | 209.3  | 209.4  |
| 110°   | 245.7  | 245.7  | 245.8  | 246.1  | 246.3  | 246.6  | 246.8  | 246.4  | 246.0  | 245.7  | 245.3  |

TEST NUMBER: P1027086

CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 282.8 | 283.0  | 283.1 | 283.2 | 283.3 | 283.5 | 283.6 | 283.1 | 282.6 | 282.1 | 281.6 |
| 115°   | 319.5 | 319.8  | 319.9 | 320.0 | 320.1 | 320.2 | 320.3 | 319.8 | 319.3 | 318.8 | 318.3 |
| 117.5° | 354.2 | 354.2  | 354.5 | 355.0 | 355.5 | 356.0 | 356.5 | 355.7 | 355.0 | 354.2 | 353.5 |
| 120°   | 388.2 | 388.1  | 388.3 | 388.7 | 389.0 | 389.4 | 389.8 | 389.5 | 389.3 | 389.0 | 388.7 |
| 122.5° | 421.6 | 421.9  | 422.0 | 422.1 | 422.2 | 422.4 | 422.5 | 422.3 | 422.0 | 421.8 | 421.5 |
| 125°   | 454.2 | 454.7  | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 | 454.2 | 453.7 | 453.2 | 452.7 |
| 127.5° | 483.6 | 483.9  | 483.8 | 483.7 | 483.6 | 483.5 | 483.4 | 483.1 | 482.9 | 482.6 | 482.3 |
| 130°   | 511.2 | 511.5  | 511.6 | 511.7 | 511.8 | 512.0 | 512.1 | 511.7 | 511.3 | 510.9 | 510.5 |
| 132.5° | 539.2 | 539.6  | 539.4 | 539.0 | 538.7 | 538.3 | 537.9 | 537.9 | 537.9 | 537.9 | 537.9 |
| 135°   | 565.1 | 565.5  | 565.4 | 565.1 | 564.8 | 564.6 | 564.3 | 564.1 | 563.8 | 563.6 | 563.3 |
| 137.5° | 589.2 | 589.6  | 589.5 | 589.2 | 588.9 | 588.7 | 588.4 | 588.4 | 588.4 | 588.4 | 588.4 |
| 140°   | 610.7 | 610.8  | 610.7 | 610.6 | 610.5 | 610.3 | 610.2 | 610.5 | 610.7 | 611.0 | 611.3 |
| 142.5° | 631.4 | 631.5  | 631.6 | 631.9 | 632.1 | 632.4 | 632.6 | 632.6 | 632.6 | 632.6 | 632.6 |
| 145°   | 652.6 | 652.7  | 652.7 | 652.7 | 652.7 | 652.7 | 652.7 | 652.8 | 653.0 | 653.1 | 653.2 |
| 147.5° | 669.9 | 669.9  | 670.0 | 670.1 | 670.2 | 670.4 | 670.5 | 670.6 | 670.8 | 670.9 | 671.0 |
| 150°   | 686.1 | 686.0  | 686.1 | 686.4 | 686.7 | 686.9 | 687.2 | 687.4 | 687.7 | 687.9 | 688.2 |
| 152.5° | 701.2 | 700.9  | 701.0 | 701.3 | 701.6 | 701.8 | 702.1 | 702.3 | 702.6 | 702.8 | 703.1 |
| 155°   | 714.5 | 714.1  | 714.2 | 714.5 | 714.8 | 715.0 | 715.3 | 715.7 | 716.1 | 716.4 | 716.8 |
| 157.5° | 727.0 | 726.8  | 726.8 | 726.8 | 726.8 | 726.8 | 726.8 | 727.2 | 727.6 | 727.9 | 728.3 |
| 160°   | 736.9 | 736.5  | 736.6 | 736.7 | 736.8 | 737.0 | 737.1 | 737.6 | 738.1 | 738.6 | 739.1 |
| 162.5° | 746.1 | 745.7  | 745.8 | 745.9 | 746.0 | 746.2 | 746.3 | 747.1 | 747.8 | 748.6 | 749.3 |
| 165°   | 754.2 | 753.8  | 753.9 | 754.0 | 754.1 | 754.2 | 754.3 | 755.1 | 755.9 | 756.6 | 757.4 |
| 167.5° | 760.5 | 760.1  | 760.2 | 760.3 | 760.4 | 760.5 | 760.6 | 761.5 | 762.4 | 763.3 | 764.2 |
| 170°   | 765.1 | 764.7  | 764.8 | 764.9 | 765.0 | 765.1 | 765.2 | 766.2 | 767.2 | 768.3 | 769.3 |
| 172.5° | 768.5 | 768.1  | 768.2 | 768.5 | 768.8 | 769.0 | 769.3 | 770.2 | 771.1 | 772.0 | 772.9 |
| 175°   | 771.4 | 771.0  | 771.1 | 771.2 | 771.3 | 771.4 | 771.5 | 772.5 | 773.5 | 774.6 | 775.6 |
| 177.5° | 773.1 | 772.7  | 772.8 | 772.9 | 773.0 | 773.2 | 773.3 | 774.2 | 775.1 | 776.0 | 776.9 |
| 180°   | 774.4 | 774.4  | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 |

TEST NUMBER: P1027086

CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 |
| 2.5°   | 1554.0 | 1556.7 | 1549.9 | 1547.2 | 1541.8 | 1548.6 | 1549.9 | 1548.6 | 1560.7 | 1555.3 | 1558.0 |
| 5°     | 1463.7 | 1458.3 | 1454.2 | 1444.8 | 1444.8 | 1446.2 | 1450.2 | 1443.5 | 1447.5 | 1456.9 | 1455.6 |
| 7.5°   | 1363.9 | 1361.2 | 1362.6 | 1351.8 | 1343.7 | 1346.4 | 1343.7 | 1355.9 | 1362.6 | 1359.9 | 1365.3 |
| 10°    | 1273.6 | 1279.0 | 1266.9 | 1261.5 | 1256.1 | 1261.5 | 1260.2 | 1262.9 | 1270.9 | 1276.3 | 1285.8 |
| 12.5°  | 1200.9 | 1199.5 | 1192.8 | 1187.4 | 1177.9 | 1180.6 | 1188.7 | 1186.0 | 1187.4 | 1199.5 | 1198.2 |
| 15°    | 1132.1 | 1124.0 | 1118.6 | 1106.5 | 1109.2 | 1099.8 | 1107.9 | 1117.3 | 1121.3 | 1132.1 | 1138.9 |
| 17.5°  | 1063.4 | 1062.0 | 1055.3 | 1054.0 | 1039.1 | 1035.1 | 1043.2 | 1045.9 | 1049.9 | 1055.3 | 1064.7 |
| 20°    | 1005.4 | 1004.1 | 994.7  | 992.0  | 979.8  | 987.9  | 985.2  | 990.6  | 993.3  | 1004.1 | 1008.1 |
| 22.5°  | 952.9  | 946.1  | 943.4  | 939.4  | 935.4  | 934.0  | 939.4  | 938.0  | 947.5  | 951.5  | 952.9  |
| 25°    | 904.4  | 899.0  | 897.6  | 890.9  | 888.2  | 884.1  | 888.2  | 892.2  | 903.0  | 907.0  | 912.4  |
| 27.5°  | 859.9  | 855.8  | 853.1  | 847.7  | 843.7  | 843.7  | 846.4  | 851.8  | 855.8  | 858.5  | 861.2  |
| 30°    | 819.4  | 816.7  | 808.7  | 806.0  | 801.9  | 801.9  | 801.9  | 804.6  | 811.4  | 819.4  | 823.5  |
| 32.5°  | 777.7  | 772.3  | 766.9  | 766.9  | 762.8  | 762.8  | 764.2  | 766.9  | 773.6  | 775.0  | 781.7  |
| 35°    | 737.2  | 731.8  | 727.8  | 725.1  | 726.4  | 721.1  | 723.8  | 727.8  | 735.9  | 738.6  | 742.6  |
| 37.5°  | 698.1  | 696.8  | 688.7  | 684.7  | 687.4  | 687.4  | 686.0  | 688.7  | 694.1  | 699.5  | 702.2  |
| 40°    | 655.0  | 652.3  | 652.3  | 648.3  | 649.6  | 644.2  | 648.3  | 651.0  | 653.7  | 659.1  | 663.1  |
| 42.5°  | 617.3  | 614.6  | 609.2  | 610.5  | 606.5  | 606.5  | 609.2  | 610.5  | 614.6  | 621.3  | 624.0  |
| 45°    | 576.8  | 576.8  | 574.1  | 570.1  | 571.5  | 567.4  | 570.1  | 571.5  | 576.8  | 583.6  | 580.9  |
| 47.5°  | 537.8  | 536.4  | 536.4  | 531.0  | 533.7  | 529.7  | 533.7  | 535.1  | 537.8  | 541.8  | 540.5  |
| 50°    | 500.0  | 496.0  | 497.3  | 496.0  | 494.6  | 494.6  | 497.3  | 497.3  | 500.0  | 500.0  | 504.1  |
| 52.5°  | 460.9  | 460.9  | 458.2  | 459.6  | 462.3  | 459.6  | 463.6  | 459.6  | 462.3  | 463.6  | 466.3  |
| 55°    | 425.9  | 423.2  | 424.5  | 423.2  | 428.6  | 424.5  | 428.6  | 425.9  | 428.6  | 427.2  | 429.9  |
| 57.5°  | 388.2  | 384.1  | 385.5  | 384.1  | 388.2  | 386.8  | 390.9  | 386.8  | 388.2  | 389.5  | 393.5  |
| 60°    | 345.0  | 345.0  | 345.0  | 342.3  | 346.4  | 346.4  | 345.0  | 345.0  | 350.4  | 353.1  | 351.8  |
| 62.5°  | 304.6  | 303.2  | 299.2  | 297.9  | 299.2  | 296.5  | 301.9  | 300.6  | 303.2  | 305.9  | 308.6  |
| 65°    | 260.1  | 257.4  | 256.1  | 253.4  | 253.4  | 252.0  | 253.4  | 258.8  | 260.1  | 261.5  | 268.2  |
| 67.5°  | 223.7  | 222.4  | 221.0  | 217.0  | 217.0  | 219.7  | 219.7  | 219.7  | 227.8  | 223.7  | 229.1  |
| 70°    | 191.4  | 188.7  | 186.0  | 184.6  | 184.6  | 186.0  | 187.3  | 188.7  | 187.3  | 192.7  | 194.1  |
| 72.5°  | 160.4  | 161.7  | 159.0  | 159.0  | 159.0  | 157.7  | 157.7  | 160.4  | 161.7  | 160.4  | 161.7  |
| 75°    | 133.4  | 133.4  | 132.1  | 133.4  | 133.4  | 132.1  | 132.1  | 134.8  | 134.8  | 133.4  | 137.5  |
| 77.5°  | 107.8  | 106.5  | 103.8  | 101.1  | 102.4  | 101.1  | 102.4  | 101.1  | 105.1  | 109.2  | 106.5  |
| 80°    | 75.5   | 74.1   | 74.1   | 74.1   | 75.5   | 74.1   | 76.8   | 74.1   | 75.5   | 75.5   | 76.8   |
| 82.5°  | 53.9   | 55.3   | 55.3   | 53.9   | 55.3   | 53.9   | 55.3   | 55.3   | 55.3   | 53.9   | 55.3   |
| 85°    | 35.0   | 35.0   | 35.0   | 35.0   | 33.7   | 35.0   | 35.0   | 35.0   | 36.4   | 35.0   | 36.4   |
| 87.5°  | 14.8   | 14.8   | 14.8   | 14.8   | 14.8   | 14.8   | 14.8   | 14.8   | 16.2   | 14.8   | 16.2   |
| 90°    | 12.1   | 12.3   | 12.7   | 13.0   | 13.4   | 13.8   | 13.4   | 13.0   | 12.7   | 12.3   | 12.1   |
| 92.5°  | 12.1   | 12.2   | 12.3   | 12.4   | 12.5   | 12.6   | 12.5   | 12.4   | 12.3   | 12.2   | 12.1   |
| 95°    | 12.1   | 12.1   | 12.1   | 12.1   | 12.1   | 12.1   | 12.1   | 12.1   | 12.1   | 12.1   | 12.1   |
| 97.5°  | 11.5   | 11.6   | 11.7   | 11.8   | 12.0   | 12.1   | 12.0   | 11.8   | 11.7   | 11.6   | 11.5   |
| 100°   | 14.4   | 14.1   | 13.6   | 13.1   | 12.6   | 12.1   | 12.6   | 13.1   | 13.6   | 14.1   | 14.4   |
| 102.5° | 135.5  | 130.1  | 119.4  | 108.7  | 98.0   | 87.3   | 98.0   | 108.7  | 119.4  | 130.1  | 135.5  |
| 105°   | 171.1  | 171.0  | 170.9  | 170.8  | 170.6  | 170.5  | 170.6  | 170.8  | 170.9  | 171.0  | 171.1  |
| 107.5° | 209.5  | 209.2  | 208.7  | 208.2  | 207.7  | 207.2  | 207.7  | 208.2  | 208.7  | 209.2  | 209.5  |
| 110°   | 245.1  | 245.2  | 245.3  | 245.4  | 245.6  | 245.7  | 245.6  | 245.4  | 245.3  | 245.2  | 245.1  |



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**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 281.3  | 281.2 | 280.9 | 280.6 | 280.4 | 280.1 | 280.4 | 280.6 | 280.9 | 281.2 | 281.3  |
| 115°   | 318.0  | 317.6 | 316.9 | 316.1 | 315.4 | 314.6 | 315.4 | 316.1 | 316.9 | 317.6 | 318.0  |
| 117.5° | 353.1  | 353.0 | 352.7 | 352.4 | 352.2 | 351.9 | 352.2 | 352.4 | 352.7 | 353.0 | 353.1  |
| 120°   | 388.6  | 388.3 | 387.7 | 387.0 | 386.4 | 385.8 | 386.4 | 387.0 | 387.7 | 388.3 | 388.6  |
| 122.5° | 421.4  | 421.0 | 420.2 | 419.5 | 418.7 | 417.9 | 418.7 | 419.5 | 420.2 | 421.0 | 421.4  |
| 125°   | 452.4  | 452.2 | 451.8 | 451.4 | 451.0 | 450.6 | 451.0 | 451.4 | 451.8 | 452.2 | 452.4  |
| 127.5° | 482.2  | 481.7 | 480.7 | 479.6 | 478.6 | 477.6 | 478.6 | 479.6 | 480.7 | 481.7 | 482.2  |
| 130°   | 510.3  | 510.0 | 509.4 | 508.7 | 508.1 | 507.5 | 508.1 | 508.7 | 509.4 | 510.0 | 510.3  |
| 132.5° | 537.9  | 537.6 | 536.9 | 536.3 | 535.6 | 535.0 | 535.6 | 536.3 | 536.9 | 537.6 | 537.9  |
| 135°   | 563.2  | 562.8 | 562.0 | 561.3 | 560.5 | 559.7 | 560.5 | 561.3 | 562.0 | 562.8 | 563.2  |
| 137.5° | 588.4  | 588.1 | 587.5 | 586.8 | 586.2 | 585.6 | 586.2 | 586.8 | 587.5 | 588.1 | 588.4  |
| 140°   | 611.4  | 611.0 | 610.2 | 609.5 | 608.7 | 607.9 | 608.7 | 609.5 | 610.2 | 611.0 | 611.4  |
| 142.5° | 632.6  | 632.2 | 631.5 | 630.7 | 630.0 | 629.2 | 630.0 | 630.7 | 631.5 | 632.2 | 632.6  |
| 145°   | 653.3  | 652.9 | 652.1 | 651.4 | 650.6 | 649.8 | 650.6 | 651.4 | 652.1 | 652.9 | 653.3  |
| 147.5° | 671.1  | 670.7 | 669.8 | 668.9 | 668.0 | 667.1 | 668.0 | 668.9 | 669.8 | 670.7 | 671.1  |
| 150°   | 688.3  | 687.8 | 686.8 | 685.7 | 684.7 | 683.7 | 684.7 | 685.7 | 686.8 | 687.8 | 688.3  |
| 152.5° | 703.2  | 702.8 | 701.9 | 701.0 | 700.1 | 699.2 | 700.1 | 701.0 | 701.9 | 702.8 | 703.2  |
| 155°   | 717.0  | 716.5 | 715.5 | 714.4 | 713.4 | 712.4 | 713.4 | 714.4 | 715.5 | 716.5 | 717.0  |
| 157.5° | 728.5  | 728.0 | 727.0 | 725.9 | 724.9 | 723.9 | 724.9 | 725.9 | 727.0 | 728.0 | 728.5  |
| 160°   | 739.4  | 738.9 | 737.9 | 736.8 | 735.8 | 734.8 | 735.8 | 736.8 | 737.9 | 738.9 | 739.4  |
| 162.5° | 749.7  | 749.1 | 748.0 | 746.9 | 745.7 | 744.6 | 745.7 | 746.9 | 748.0 | 749.1 | 749.7  |
| 165°   | 757.8  | 757.3 | 756.3 | 755.2 | 754.2 | 753.2 | 754.2 | 755.2 | 756.3 | 757.3 | 757.8  |
| 167.5° | 764.7  | 764.1 | 763.0 | 761.8 | 760.7 | 759.5 | 760.7 | 761.8 | 763.0 | 764.1 | 764.7  |
| 170°   | 769.8  | 769.2 | 768.1 | 767.0 | 765.8 | 764.7 | 765.8 | 767.0 | 768.1 | 769.2 | 769.8  |
| 172.5° | 773.3  | 772.7 | 771.6 | 770.4 | 769.3 | 768.1 | 769.3 | 770.4 | 771.6 | 772.7 | 773.3  |
| 175°   | 776.1  | 775.5 | 774.4 | 773.3 | 772.1 | 771.0 | 772.1 | 773.3 | 774.4 | 775.5 | 776.1  |
| 177.5° | 777.3  | 776.8 | 775.8 | 774.7 | 773.7 | 772.7 | 773.7 | 774.7 | 775.8 | 776.8 | 777.3  |
| 180°   | 774.4  | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4  |

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**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 |
| 2.5°   | 1552.6 | 1559.4 | 1554.0 | 1549.9 | 1560.7 | 1566.1 | 1566.1 | 1575.5 | 1585.0 | 1593.1 | 1594.4 |
| 5°     | 1456.9 | 1467.7 | 1470.4 | 1469.1 | 1485.2 | 1493.3 | 1510.8 | 1520.3 | 1533.8 | 1543.2 | 1554.0 |
| 7.5°   | 1369.3 | 1384.2 | 1385.5 | 1388.2 | 1412.5 | 1425.9 | 1440.8 | 1465.0 | 1483.9 | 1497.4 | 1509.5 |
| 10°    | 1281.7 | 1291.2 | 1300.6 | 1312.7 | 1337.0 | 1359.9 | 1381.5 | 1407.1 | 1431.3 | 1444.8 | 1462.3 |
| 12.5°  | 1215.7 | 1222.4 | 1233.2 | 1241.3 | 1266.9 | 1287.1 | 1315.4 | 1350.5 | 1385.5 | 1396.3 | 1417.9 |
| 15°    | 1147.0 | 1151.0 | 1172.6 | 1180.6 | 1202.2 | 1235.9 | 1253.4 | 1287.1 | 1324.9 | 1345.1 | 1369.3 |
| 17.5°  | 1067.4 | 1091.7 | 1105.2 | 1114.6 | 1141.6 | 1168.5 | 1196.8 | 1231.9 | 1280.4 | 1299.2 | 1316.8 |
| 20°    | 1010.8 | 1028.3 | 1043.2 | 1055.3 | 1079.6 | 1120.0 | 1145.6 | 1173.9 | 1219.7 | 1241.3 | 1266.9 |
| 22.5°  | 961.0  | 975.8  | 989.3  | 1002.7 | 1018.9 | 1055.3 | 1085.0 | 1124.0 | 1169.9 | 1190.1 | 1219.7 |
| 25°    | 913.8  | 928.6  | 936.7  | 952.9  | 974.4  | 1000.0 | 1035.1 | 1070.1 | 1116.0 | 1138.9 | 1167.2 |
| 27.5°  | 868.0  | 882.8  | 897.6  | 911.1  | 925.9  | 950.2  | 974.4  | 1018.9 | 1066.1 | 1093.0 | 1117.3 |
| 30°    | 828.9  | 835.6  | 849.1  | 863.9  | 878.7  | 901.7  | 930.0  | 961.0  | 1014.9 | 1039.1 | 1068.8 |
| 32.5°  | 785.7  | 797.9  | 807.3  | 818.1  | 837.0  | 855.8  | 881.4  | 920.5  | 963.7  | 986.6  | 1018.9 |
| 35°    | 745.3  | 756.1  | 762.8  | 781.7  | 793.8  | 814.1  | 839.7  | 874.7  | 911.1  | 936.7  | 965.0  |
| 37.5°  | 706.2  | 717.0  | 725.1  | 735.9  | 752.1  | 769.6  | 796.5  | 822.1  | 865.3  | 886.8  | 919.2  |
| 40°    | 665.8  | 675.2  | 684.7  | 696.8  | 711.6  | 733.2  | 749.4  | 781.7  | 816.7  | 841.0  | 865.3  |
| 42.5°  | 626.7  | 632.1  | 642.9  | 656.4  | 671.2  | 690.1  | 713.0  | 738.6  | 773.6  | 795.2  | 816.7  |
| 45°    | 584.9  | 594.4  | 606.5  | 615.9  | 629.4  | 648.3  | 668.5  | 691.4  | 726.4  | 748.0  | 770.9  |
| 47.5°  | 545.8  | 552.6  | 560.7  | 575.5  | 593.0  | 606.5  | 628.1  | 649.6  | 682.0  | 702.2  | 723.8  |
| 50°    | 505.4  | 512.2  | 524.3  | 533.7  | 547.2  | 564.7  | 584.9  | 607.8  | 638.8  | 652.3  | 673.9  |
| 52.5°  | 467.7  | 470.4  | 482.5  | 491.9  | 505.4  | 525.6  | 541.8  | 562.0  | 591.7  | 606.5  | 628.1  |
| 55°    | 429.9  | 432.6  | 439.4  | 448.8  | 463.6  | 479.8  | 497.3  | 520.2  | 545.8  | 559.3  | 579.5  |
| 57.5°  | 390.9  | 393.5  | 400.3  | 407.0  | 421.9  | 436.7  | 456.9  | 475.8  | 501.4  | 513.5  | 532.4  |
| 60°    | 351.8  | 351.8  | 358.5  | 367.9  | 378.7  | 392.2  | 409.7  | 432.6  | 451.5  | 466.3  | 479.8  |
| 62.5°  | 310.0  | 314.0  | 318.1  | 324.8  | 336.9  | 353.1  | 367.9  | 384.1  | 407.0  | 417.8  | 429.9  |
| 65°    | 268.2  | 272.2  | 280.3  | 287.1  | 296.5  | 307.3  | 326.2  | 339.6  | 357.2  | 369.3  | 380.1  |
| 67.5°  | 231.8  | 235.9  | 241.3  | 249.3  | 256.1  | 268.2  | 281.7  | 295.2  | 314.0  | 322.1  | 330.2  |
| 70°    | 194.1  | 198.1  | 202.2  | 212.9  | 219.7  | 229.1  | 238.6  | 252.0  | 268.2  | 273.6  | 280.3  |
| 72.5°  | 164.4  | 165.8  | 171.2  | 173.9  | 183.3  | 191.4  | 202.2  | 210.3  | 222.4  | 229.1  | 234.5  |
| 75°    | 138.8  | 138.8  | 140.2  | 142.9  | 148.3  | 153.6  | 161.7  | 169.8  | 180.6  | 184.6  | 191.4  |
| 77.5°  | 109.2  | 113.2  | 111.9  | 114.6  | 117.3  | 120.0  | 126.7  | 132.1  | 142.9  | 145.6  | 148.3  |
| 80°    | 78.2   | 79.5   | 83.6   | 87.6   | 87.6   | 91.6   | 95.7   | 97.0   | 103.8  | 107.8  | 107.8  |
| 82.5°  | 56.6   | 58.0   | 56.6   | 58.0   | 59.3   | 60.6   | 64.7   | 70.1   | 70.1   | 71.4   | 74.1   |
| 85°    | 35.0   | 35.0   | 36.4   | 37.7   | 37.7   | 36.4   | 39.1   | 37.7   | 39.1   | 41.8   | 41.8   |
| 87.5°  | 17.5   | 16.2   | 16.2   | 16.2   | 16.2   | 16.2   | 17.5   | 16.2   | 17.5   | 17.5   | 17.5   |
| 90°    | 11.8   | 11.1   | 10.5   | 9.8    | 9.2    | 8.3    | 7.4    | 6.5    | 5.6    | 5.2    | 4.7    |
| 92.5°  | 11.8   | 11.1   | 10.5   | 9.8    | 9.2    | 8.4    | 7.6    | 6.9    | 6.1    | 5.7    | 6.3    |
| 95°    | 11.8   | 11.1   | 10.5   | 9.8    | 9.2    | 14.0   | 18.9   | 23.7   | 28.6   | 31.0   | 31.2   |
| 97.5°  | 11.4   | 11.1   | 10.8   | 10.6   | 10.3   | 22.4   | 34.6   | 46.7   | 58.8   | 64.9   | 64.5   |
| 100°   | 23.9   | 42.9   | 61.9   | 80.9   | 99.9   | 99.4   | 98.9   | 98.4   | 97.9   | 97.6   | 97.4   |
| 102.5° | 135.4  | 135.1  | 134.8  | 134.6  | 134.3  | 134.1  | 133.8  | 133.6  | 133.3  | 133.2  | 132.9  |
| 105°   | 171.1  | 171.1  | 171.1  | 171.1  | 171.1  | 171.1  | 171.1  | 171.1  | 171.1  | 171.1  | 170.8  |
| 107.5° | 209.4  | 209.3  | 209.2  | 209.1  | 209.0  | 208.7  | 208.5  | 208.2  | 207.9  | 207.8  | 207.8  |
| 110°   | 245.3  | 245.7  | 246.0  | 246.4  | 246.8  | 246.6  | 246.3  | 246.1  | 245.8  | 245.7  | 245.7  |

TEST NUMBER: P1027086

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**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 281.6 | 282.1 | 282.6 | 283.1 | 283.6 | 283.5 | 283.3 | 283.2 | 283.1 | 283.0  | 282.8 |
| 115°   | 318.3 | 318.8 | 319.3 | 319.8 | 320.3 | 320.2 | 320.1 | 320.0 | 319.9 | 319.8  | 319.5 |
| 117.5° | 353.5 | 354.2 | 355.0 | 355.7 | 356.5 | 356.0 | 355.5 | 355.0 | 354.5 | 354.2  | 354.2 |
| 120°   | 388.7 | 389.0 | 389.3 | 389.5 | 389.8 | 389.4 | 389.0 | 388.7 | 388.3 | 388.1  | 388.2 |
| 122.5° | 421.5 | 421.8 | 422.0 | 422.3 | 422.5 | 422.4 | 422.2 | 422.1 | 422.0 | 421.9  | 421.6 |
| 125°   | 452.7 | 453.2 | 453.7 | 454.2 | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 | 454.7  | 454.2 |
| 127.5° | 482.3 | 482.6 | 482.9 | 483.1 | 483.4 | 483.5 | 483.6 | 483.7 | 483.8 | 483.9  | 483.6 |
| 130°   | 510.5 | 510.9 | 511.3 | 511.7 | 512.1 | 512.0 | 511.8 | 511.7 | 511.6 | 511.5  | 511.2 |
| 132.5° | 537.9 | 537.9 | 537.9 | 537.9 | 537.9 | 538.3 | 538.7 | 539.0 | 539.4 | 539.6  | 539.2 |
| 135°   | 563.3 | 563.6 | 563.8 | 564.1 | 564.3 | 564.6 | 564.8 | 565.1 | 565.4 | 565.5  | 565.1 |
| 137.5° | 588.4 | 588.4 | 588.4 | 588.4 | 588.4 | 588.7 | 588.9 | 589.2 | 589.5 | 589.6  | 589.2 |
| 140°   | 611.3 | 611.0 | 610.7 | 610.5 | 610.2 | 610.3 | 610.5 | 610.6 | 610.7 | 610.8  | 610.7 |
| 142.5° | 632.6 | 632.6 | 632.6 | 632.6 | 632.6 | 632.4 | 632.1 | 631.9 | 631.6 | 631.5  | 631.4 |
| 145°   | 653.2 | 653.1 | 653.0 | 652.8 | 652.7 | 652.7 | 652.7 | 652.7 | 652.7 | 652.7  | 652.6 |
| 147.5° | 671.0 | 670.9 | 670.8 | 670.6 | 670.5 | 670.4 | 670.2 | 670.1 | 670.0 | 669.9  | 669.9 |
| 150°   | 688.2 | 687.9 | 687.7 | 687.4 | 687.2 | 686.9 | 686.7 | 686.4 | 686.1 | 686.0  | 686.1 |
| 152.5° | 703.1 | 702.8 | 702.6 | 702.3 | 702.1 | 701.8 | 701.6 | 701.3 | 701.0 | 700.9  | 701.2 |
| 155°   | 716.8 | 716.4 | 716.1 | 715.7 | 715.3 | 715.0 | 714.8 | 714.5 | 714.2 | 714.1  | 714.5 |
| 157.5° | 728.3 | 727.9 | 727.6 | 727.2 | 726.8 | 726.8 | 726.8 | 726.8 | 726.8 | 726.8  | 727.0 |
| 160°   | 739.1 | 738.6 | 738.1 | 737.6 | 737.1 | 737.0 | 736.8 | 736.7 | 736.6 | 736.5  | 736.9 |
| 162.5° | 749.3 | 748.6 | 747.8 | 747.1 | 746.3 | 746.2 | 746.0 | 745.9 | 745.8 | 745.7  | 746.1 |
| 165°   | 757.4 | 756.6 | 755.9 | 755.1 | 754.3 | 754.2 | 754.1 | 754.0 | 753.9 | 753.8  | 754.2 |
| 167.5° | 764.2 | 763.3 | 762.4 | 761.5 | 760.6 | 760.5 | 760.4 | 760.3 | 760.2 | 760.1  | 760.5 |
| 170°   | 769.3 | 768.3 | 767.2 | 766.2 | 765.2 | 765.1 | 765.0 | 764.9 | 764.8 | 764.7  | 765.1 |
| 172.5° | 772.9 | 772.0 | 771.1 | 770.2 | 769.3 | 769.0 | 768.8 | 768.5 | 768.2 | 768.1  | 768.5 |
| 175°   | 775.6 | 774.6 | 773.5 | 772.5 | 771.5 | 771.4 | 771.3 | 771.2 | 771.1 | 771.0  | 771.4 |
| 177.5° | 776.9 | 776.0 | 775.1 | 774.2 | 773.3 | 773.2 | 773.0 | 772.9 | 772.8 | 772.7  | 773.1 |
| 180°   | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4 | 774.4  | 774.4 |

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CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1641.6 | 1641.6 | 1641.6 | 1641.6 |
| 2.5°   | 1603.8 | 1616.0 | 1628.1 | 1642.9 |
| 5°     | 1571.5 | 1593.1 | 1616.0 | 1637.5 |
| 7.5°   | 1536.5 | 1567.5 | 1597.1 | 1628.1 |
| 10°    | 1497.4 | 1536.5 | 1570.1 | 1613.3 |
| 12.5°  | 1454.2 | 1496.0 | 1543.2 | 1591.7 |
| 15°    | 1411.1 | 1463.7 | 1513.5 | 1568.8 |
| 17.5°  | 1370.7 | 1420.5 | 1475.8 | 1541.8 |
| 20°    | 1322.2 | 1377.4 | 1439.4 | 1509.5 |
| 22.5°  | 1270.9 | 1331.6 | 1399.0 | 1474.5 |
| 25°    | 1227.8 | 1289.8 | 1354.5 | 1434.0 |
| 27.5°  | 1180.6 | 1245.3 | 1308.7 | 1393.6 |
| 30°    | 1126.7 | 1196.8 | 1261.5 | 1349.1 |
| 32.5°  | 1075.5 | 1145.6 | 1217.0 | 1299.2 |
| 35°    | 1025.7 | 1094.4 | 1165.8 | 1249.4 |
| 37.5°  | 978.5  | 1040.5 | 1110.6 | 1186.0 |
| 40°    | 934.0  | 990.6  | 1052.6 | 1121.3 |
| 42.5°  | 877.4  | 943.4  | 1001.4 | 1051.3 |
| 45°    | 828.9  | 882.8  | 936.7  | 977.1  |
| 47.5°  | 772.3  | 826.2  | 872.0  | 904.4  |
| 50°    | 725.1  | 768.2  | 806.0  | 834.3  |
| 52.5°  | 668.5  | 708.9  | 739.9  | 761.5  |
| 55°    | 613.2  | 648.3  | 675.2  | 690.1  |
| 57.5°  | 563.4  | 586.3  | 606.5  | 620.0  |
| 60°    | 508.1  | 525.6  | 543.2  | 558.0  |
| 62.5°  | 448.8  | 467.7  | 477.1  | 493.3  |
| 65°    | 396.2  | 408.4  | 423.2  | 428.6  |
| 67.5°  | 345.0  | 351.8  | 361.2  | 372.0  |
| 70°    | 291.1  | 295.2  | 304.6  | 319.4  |
| 72.5°  | 243.9  | 248.0  | 254.7  | 260.1  |
| 75°    | 194.1  | 198.1  | 203.5  | 208.9  |
| 77.5°  | 152.3  | 153.6  | 156.3  | 161.7  |
| 80°    | 110.5  | 114.6  | 117.3  | 118.6  |
| 82.5°  | 76.8   | 78.2   | 78.2   | 79.5   |
| 85°    | 48.5   | 45.8   | 45.8   | 47.2   |
| 87.5°  | 17.5   | 20.2   | 20.2   | 22.9   |
| 90°    | 3.7    | 2.6    | 1.6    | 0.6    |
| 92.5°  | 7.4    | 8.6    | 9.7    | 10.9   |
| 95°    | 31.6   | 31.9   | 32.3   | 32.7   |
| 97.5°  | 63.7   | 63.0   | 62.2   | 61.4   |
| 100°   | 97.0   | 96.7   | 96.3   | 95.9   |
| 102.5° | 132.4  | 131.9  | 131.4  | 130.9  |
| 105°   | 170.3  | 169.8  | 169.3  | 168.8  |
| 107.5° | 207.8  | 207.8  | 207.8  | 207.8  |
| 110°   | 245.7  | 245.7  | 245.7  | 245.7  |

TEST NUMBER: P1027086

CATALOG NUMBER: S125RDIP-B1090D610UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 282.4 | 282.1 | 281.7 | 281.3 |
| 115°   | 318.8 | 318.2 | 317.5 | 316.9 |
| 117.5° | 354.2 | 354.2 | 354.2 | 354.2 |
| 120°   | 388.3 | 388.4 | 388.5 | 388.6 |
| 122.5° | 421.0 | 420.3 | 419.7 | 419.1 |
| 125°   | 453.3 | 452.4 | 451.5 | 450.6 |
| 127.5° | 483.0 | 482.3 | 481.7 | 481.1 |
| 130°   | 510.5 | 509.9 | 509.2 | 508.6 |
| 132.5° | 538.5 | 537.7 | 537.0 | 536.2 |
| 135°   | 564.3 | 563.6 | 562.8 | 562.0 |
| 137.5° | 588.4 | 587.7 | 586.9 | 586.1 |
| 140°   | 610.4 | 610.2 | 609.9 | 609.7 |
| 142.5° | 631.3 | 631.2 | 631.0 | 630.9 |
| 145°   | 652.3 | 652.1 | 651.8 | 651.6 |
| 147.5° | 669.9 | 669.9 | 669.9 | 669.9 |
| 150°   | 686.4 | 686.7 | 686.9 | 687.2 |
| 152.5° | 701.9 | 702.5 | 703.2 | 703.8 |
| 155°   | 715.3 | 716.0 | 716.8 | 717.6 |
| 157.5° | 727.4 | 727.7 | 728.1 | 728.5 |
| 160°   | 737.7 | 738.4 | 739.2 | 740.0 |
| 162.5° | 746.9 | 747.6 | 748.4 | 749.2 |
| 165°   | 754.9 | 755.7 | 756.4 | 757.2 |
| 167.5° | 761.2 | 762.0 | 762.7 | 763.5 |
| 170°   | 766.0 | 766.9 | 767.8 | 768.7 |
| 172.5° | 769.4 | 770.3 | 771.2 | 772.1 |
| 175°   | 772.1 | 772.9 | 773.6 | 774.4 |
| 177.5° | 773.8 | 774.6 | 775.3 | 776.1 |
| 180°   | 774.4 | 774.4 | 774.4 | 774.4 |

(END OF REPORT)