

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: P1010439

Luminaire Tested: S123DIP-B1000D585UB2750-4F0-XX-W2A-A\_2700K

Issue Date: 5/6/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1010439  
REPORT IS A COMBINATION OF REPORTS P989208 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S123DIP-B1000D585UB2750-4F0-XX-W2A-A\_2700K  
Description: Define 3 Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}  
Light Source: -  
Ballast/Driver: -

**Summary**

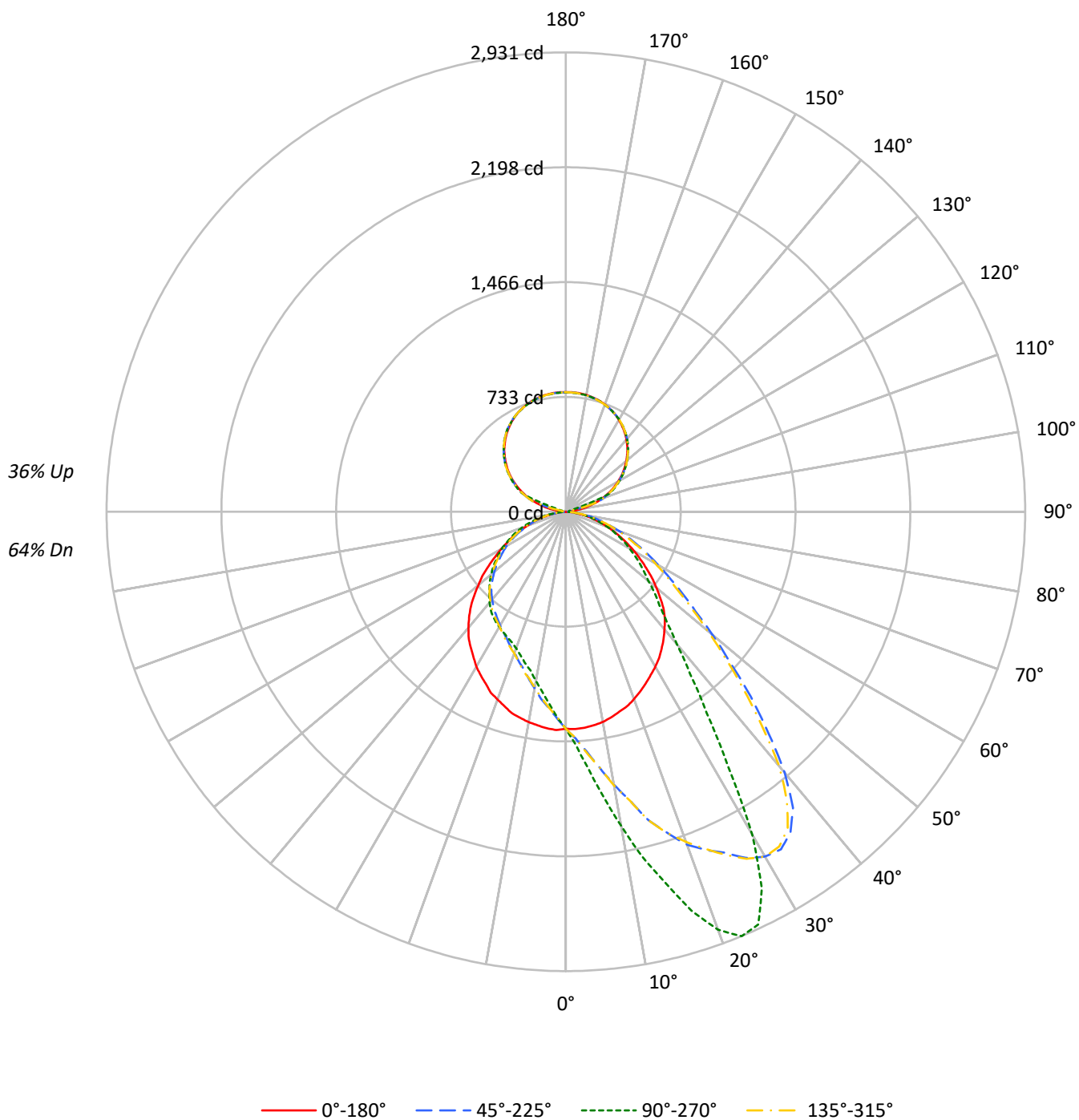
Lumens per Lamp: N/A  
Luminaire Lumens: 6505.0 lumens  
Efficiency: N/A  
Efficacy: 104.6 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 62.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1010439

CATALOG NUMBER: S123DIP-B1000D585UB2750-4F0-XX-W2A-A\_2700K

### Luminous Intensity Polar Plot



TEST NUMBER: P1010439

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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   | 111 | 111 | 111 | 111 | 104 | 104 | 104 | 104 | 91 | 91 | 91 | 80 | 80 | 80 | 69 | 69 | 69 | 64 |    |    |
| 1   | 101 | 97  | 93  | 90  | 95  | 91  | 88  | 85  | 81 | 78 | 76 | 71 | 69 | 67 | 62 | 60 | 59 | 55 |    |    |
| 2   | 93  | 85  | 79  | 74  | 87  | 80  | 75  | 70  | 71 | 67 | 63 | 63 | 59 | 57 | 55 | 52 | 50 | 46 |    |    |
| 3   | 85  | 75  | 68  | 62  | 79  | 71  | 64  | 59  | 63 | 58 | 54 | 56 | 52 | 48 | 49 | 46 | 43 | 40 |    |    |
| 4   | 78  | 67  | 59  | 53  | 73  | 63  | 56  | 50  | 56 | 51 | 46 | 50 | 45 | 42 | 44 | 40 | 37 | 34 |    |    |
| 5   | 71  | 60  | 51  | 45  | 67  | 56  | 49  | 44  | 50 | 44 | 40 | 45 | 40 | 36 | 40 | 36 | 33 | 30 |    |    |
| 6   | 66  | 54  | 46  | 40  | 62  | 51  | 43  | 38  | 46 | 40 | 35 | 41 | 36 | 32 | 36 | 32 | 29 | 26 |    |    |
| 7   | 61  | 49  | 41  | 35  | 57  | 46  | 39  | 34  | 41 | 35 | 31 | 37 | 32 | 28 | 33 | 29 | 26 | 23 |    |    |
| 8   | 57  | 44  | 36  | 31  | 53  | 42  | 35  | 30  | 38 | 32 | 28 | 34 | 29 | 25 | 30 | 26 | 23 | 21 |    |    |
| 9   | 53  | 40  | 33  | 28  | 50  | 38  | 32  | 27  | 35 | 29 | 25 | 31 | 26 | 23 | 28 | 24 | 21 | 19 |    |    |
| 10  | 49  | 37  | 30  | 25  | 46  | 35  | 29  | 24  | 32 | 26 | 22 | 29 | 24 | 21 | 26 | 22 | 19 | 17 |    |    |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 14900 | 14900 | 14900 | 14900 |
| 5°  | 14910 | 17168 | 14954 | 12813 |
| 10° | 14816 | 20775 | 14830 | 11189 |
| 15° | 14611 | 24639 | 14729 | 10072 |
| 20° | 14434 | 28367 | 14465 | 9268  |
| 25° | 14172 | 29082 | 14204 | 8849  |
| 30° | 13986 | 24027 | 13986 | 8574  |
| 35° | 13754 | 16069 | 13667 | 8330  |
| 40° | 13476 | 11600 | 13310 | 7959  |
| 45° | 13128 | 9189  | 12750 | 7497  |
| 50° | 12280 | 7803  | 11845 | 7043  |
| 55° | 11350 | 6857  | 10888 | 6537  |
| 60° | 10408 | 5971  | 9853  | 6005  |
| 65° | 9372  | 5112  | 8918  | 5296  |
| 70° | 8296  | 4243  | 7742  | 4465  |
| 75° | 7091  | 3200  | 6634  | 3447  |
| 80° | 5608  | 2137  | 5168  | 2264  |
| 85° | 3861  | 982   | 3093  | 891   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 24030 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 136.1  | 2.1       |
| 10°-20°   | 437.3  | 6.7       |
| 20°-30°   | 735.8  | 11.3      |
| 30°-40°   | 831.5  | 12.8      |
| 40°-50°   | 744.7  | 11.4      |
| 50°-60°   | 601.2  | 9.2       |
| 60°-70°   | 418.9  | 6.4       |
| 70°-80°   | 219.9  | 3.4       |
| 80°-90°   | 54.2   | 0.8       |
| 90°-100°  | 26.9   | 0.4       |
| 100°-110° | 130.0  | 2.0       |
| 110°-120° | 318.7  | 4.9       |
| 120°-130° | 404.6  | 6.2       |
| 130°-140° | 432.2  | 6.6       |
| 140°-150° | 404.2  | 6.2       |
| 150°-160° | 326.0  | 5.0       |
| 160°-170° | 210.4  | 3.2       |
| 170°-180° | 72.5   | 1.1       |
| 0°-30°    | 1309.2 | 20.1      |
| 0°-40°    | 2140.6 | 32.9      |
| 0°-60°    | 3486.5 | 53.6      |
| 0°-90°    | 4179.5 | 64.3      |
| 90°-120°  | 475.6  | 7.3       |
| 90°-150°  | 1716.6 | 26.4      |
| 90°-180°  | 2325.0 | 35.7      |
| 0°-180°   | 6505.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1384 | 1384 | 1384 | 1384 | 1384 |      |
| 5°   | 1383 | 1644 | 1387 | 1227 | 1383 | 131  |
| 15°  | 1320 | 2448 | 1331 | 1001 | 1320 | 373  |
| 25°  | 1207 | 2905 | 1210 | 884  | 1207 | 557  |
| 35°  | 1065 | 1565 | 1058 | 812  | 1065 | 667  |
| 45°  | 884  | 845  | 858  | 690  | 884  | 676  |
| 55°  | 626  | 574  | 601  | 547  | 626  | 561  |
| 65°  | 388  | 373  | 369  | 386  | 388  | 386  |
| 75°  | 186  | 192  | 174  | 207  | 186  | 200  |
| 85°  | 40   | 44   | 32   | 40   | 40   | 46   |
| 90°  | 1    | 17   | 1    | 17   | 1    | 5    |
| 95°  | 35   | 22   | 35   | 22   | 35   | 41   |
| 105° | 169  | 25   | 169  | 25   | 169  | 179  |
| 115° | 317  | 333  | 317  | 333  | 317  | 313  |
| 125° | 447  | 456  | 447  | 456  | 447  | 399  |
| 135° | 556  | 562  | 556  | 562  | 556  | 428  |
| 145° | 642  | 648  | 642  | 648  | 642  | 402  |
| 155° | 707  | 706  | 707  | 706  | 707  | 326  |
| 165° | 745  | 744  | 745  | 744  | 745  | 211  |
| 175° | 763  | 760  | 763  | 760  | 763  | 73   |
| 180° | 763  | 763  | 763  | 763  | 763  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 |
| 2.5°   | 1388.3 | 1399.0 | 1404.4 | 1412.5 | 1420.5 | 1432.6 | 1436.6 | 1443.3 | 1440.6 | 1446.0 | 1448.7 |
| 5°     | 1382.9 | 1401.7 | 1417.8 | 1437.9 | 1456.7 | 1470.1 | 1483.5 | 1505.0 | 1521.1 | 1523.8 | 1535.9 |
| 7.5°   | 1373.6 | 1400.4 | 1428.6 | 1456.7 | 1492.9 | 1514.4 | 1538.5 | 1568.1 | 1592.2 | 1631.1 | 1645.9 |
| 10°    | 1361.5 | 1399.0 | 1439.3 | 1478.2 | 1527.8 | 1561.3 | 1590.9 | 1640.5 | 1690.1 | 1730.4 | 1767.9 |
| 12.5°  | 1342.7 | 1389.7 | 1442.0 | 1499.6 | 1564.0 | 1602.9 | 1643.2 | 1708.9 | 1784.0 | 1845.7 | 1886.0 |
| 15°    | 1319.9 | 1378.9 | 1446.0 | 1507.7 | 1578.8 | 1651.2 | 1694.1 | 1767.9 | 1875.2 | 1932.9 | 2036.2 |
| 17.5°  | 1301.1 | 1361.5 | 1428.6 | 1525.1 | 1621.7 | 1694.1 | 1725.0 | 1860.5 | 1934.2 | 2030.8 | 2147.5 |
| 20°    | 1271.6 | 1348.1 | 1433.9 | 1530.5 | 1655.2 | 1699.5 | 1762.6 | 1899.4 | 1990.6 | 2116.7 | 2260.2 |
| 22.5°  | 1240.8 | 1322.6 | 1425.9 | 1526.5 | 1666.0 | 1712.9 | 1798.8 | 1907.4 | 2052.3 | 2177.0 | 2335.3 |
| 25°    | 1207.2 | 1295.8 | 1400.4 | 1519.8 | 1656.6 | 1725.0 | 1805.5 | 1939.6 | 2096.6 | 2253.5 | 2399.7 |
| 27.5°  | 1173.7 | 1270.3 | 1378.9 | 1498.3 | 1631.1 | 1711.6 | 1792.1 | 1931.6 | 2132.8 | 2303.1 | 2489.6 |
| 30°    | 1141.5 | 1238.1 | 1346.7 | 1468.8 | 1608.3 | 1686.1 | 1762.6 | 1936.9 | 2160.9 | 2352.8 | 2540.5 |
| 32.5°  | 1106.6 | 1205.9 | 1319.9 | 1421.8 | 1562.7 | 1645.9 | 1731.7 | 1936.9 | 2178.4 | 2382.3 | 2554.0 |
| 35°    | 1065.0 | 1167.0 | 1264.9 | 1366.8 | 1506.4 | 1598.9 | 1695.5 | 1923.5 | 2194.5 | 2391.7 | 2497.6 |
| 37.5°  | 1024.8 | 1114.7 | 1199.2 | 1298.4 | 1444.6 | 1543.9 | 1655.2 | 1907.4 | 2186.4 | 2351.4 | 2380.9 |
| 40°    | 979.2  | 1069.1 | 1137.5 | 1230.0 | 1384.3 | 1499.6 | 1612.3 | 1886.0 | 2151.5 | 2256.2 | 2170.3 |
| 42.5°  | 934.9  | 1006.0 | 1065.0 | 1154.9 | 1322.6 | 1435.3 | 1557.3 | 1847.1 | 2083.1 | 2104.6 | 1911.4 |
| 45°    | 884.0  | 934.9  | 987.2  | 1089.2 | 1255.5 | 1370.9 | 1506.4 | 1790.7 | 1973.1 | 1911.4 | 1667.3 |
| 47.5°  | 818.2  | 863.8  | 921.5  | 1015.4 | 1184.4 | 1303.8 | 1432.6 | 1718.3 | 1813.5 | 1684.8 | 1417.8 |
| 50°    | 755.2  | 794.1  | 847.7  | 939.0  | 1109.3 | 1226.0 | 1362.8 | 1604.3 | 1651.2 | 1448.7 | 1222.0 |
| 52.5°  | 692.1  | 721.7  | 774.0  | 865.2  | 1035.5 | 1148.2 | 1273.0 | 1487.6 | 1460.7 | 1243.4 | 1042.2 |
| 55°    | 626.4  | 651.9  | 701.5  | 791.4  | 949.7  | 1057.0 | 1176.4 | 1344.0 | 1274.3 | 1067.7 | 906.8  |
| 57.5°  | 562.0  | 588.9  | 639.8  | 714.9  | 863.8  | 968.5  | 1063.7 | 1195.2 | 1090.5 | 925.5  | 783.4  |
| 60°    | 504.4  | 527.2  | 566.1  | 639.8  | 775.3  | 859.8  | 947.0  | 1036.9 | 949.7  | 790.1  | 681.4  |
| 62.5°  | 444.0  | 465.5  | 501.7  | 568.7  | 685.4  | 760.6  | 830.3  | 904.1  | 807.5  | 690.8  | 594.2  |
| 65°    | 387.7  | 405.1  | 438.6  | 500.3  | 595.6  | 657.3  | 713.6  | 764.6  | 686.8  | 579.5  | 507.0  |
| 67.5°  | 336.7  | 351.4  | 379.6  | 434.6  | 515.1  | 559.3  | 605.0  | 647.9  | 582.2  | 496.3  | 434.6  |
| 70°    | 281.7  | 293.8  | 319.2  | 359.5  | 423.9  | 469.5  | 503.0  | 535.2  | 476.2  | 407.8  | 366.2  |
| 72.5°  | 233.4  | 245.5  | 261.6  | 303.1  | 347.4  | 375.6  | 411.8  | 429.2  | 395.7  | 339.4  | 297.8  |
| 75°    | 186.4  | 195.8  | 210.6  | 237.4  | 279.0  | 297.8  | 320.6  | 334.0  | 303.1  | 265.6  | 240.1  |
| 77.5°  | 146.2  | 150.2  | 161.0  | 179.7  | 207.9  | 229.4  | 246.8  | 254.9  | 233.4  | 209.3  | 187.8  |
| 80°    | 103.3  | 108.7  | 116.7  | 132.8  | 154.3  | 161.0  | 171.7  | 181.1  | 167.7  | 146.2  | 132.8  |
| 82.5°  | 68.4   | 75.1   | 79.1   | 85.8   | 99.3   | 107.3  | 110.0  | 118.0  | 106.0  | 97.9   | 92.6   |
| 85°    | 40.2   | 42.9   | 44.3   | 48.3   | 55.0   | 59.0   | 63.0   | 64.4   | 61.7   | 60.4   | 55.0   |
| 87.5°  | 20.1   | 20.1   | 20.1   | 22.8   | 24.1   | 26.8   | 28.2   | 28.2   | 28.2   | 26.8   | 25.5   |
| 90°    | 0.6    | 1.8    | 3.1    | 4.3    | 5.6    | 6.2    | 7.0    | 8.7    | 10.3   | 12.0   | 13.6   |
| 92.5°  | 13.0   | 12.2   | 11.5   | 10.7   | 10.0   | 9.6    | 10.2   | 11.3   | 12.4   | 13.6   | 14.7   |
| 95°    | 34.6   | 29.4   | 24.2   | 19.1   | 13.9   | 11.3   | 12.0   | 13.4   | 14.8   | 16.2   | 17.6   |
| 97.5°  | 62.9   | 59.4   | 55.8   | 52.3   | 48.8   | 47.0   | 43.8   | 37.4   | 30.9   | 24.5   | 18.1   |
| 100°   | 95.8   | 98.3   | 100.8  | 103.3  | 105.8  | 107.1  | 97.3   | 77.6   | 58.0   | 38.3   | 18.7   |
| 102.5° | 133.2  | 134.8  | 136.4  | 138.1  | 139.7  | 140.5  | 129.5  | 107.6  | 85.7   | 63.8   | 41.9   |
| 105°   | 168.9  | 170.3  | 171.7  | 173.0  | 174.4  | 175.1  | 169.4  | 158.1  | 146.8  | 135.4  | 124.1  |
| 107.5° | 206.9  | 208.0  | 209.2  | 210.3  | 211.4  | 212.0  | 212.9  | 214.8  | 216.7  | 218.6  | 220.5  |
| 110°   | 244.8  | 245.8  | 246.8  | 247.9  | 248.9  | 249.4  | 250.1  | 251.5  | 252.8  | 254.2  | 255.6  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 281.1 | 282.0 | 282.9 | 283.8 | 284.7 | 285.1 | 285.8 | 287.2 | 288.5 | 289.9 | 291.3 |
| 115°   | 316.8 | 317.6 | 318.3 | 319.1 | 319.8 | 320.2 | 320.8 | 321.9 | 323.0 | 324.2 | 325.3 |
| 117.5° | 351.9 | 352.8 | 353.7 | 354.6 | 355.5 | 355.9 | 356.2 | 356.8 | 357.5 | 358.1 | 358.7 |
| 120°   | 384.2 | 385.3 | 386.5 | 387.6 | 388.7 | 389.3 | 389.5 | 389.9 | 390.2 | 390.6 | 391.0 |
| 122.5° | 417.1 | 418.0 | 418.9 | 419.8 | 420.7 | 421.1 | 421.3 | 421.8 | 422.3 | 422.8 | 423.3 |
| 125°   | 446.6 | 447.6 | 448.6 | 449.6 | 450.6 | 451.1 | 451.4 | 451.9 | 452.4 | 452.9 | 453.4 |
| 127.5° | 476.0 | 477.0 | 478.0 | 479.1 | 480.1 | 480.6 | 480.9 | 481.5 | 482.2 | 482.8 | 483.4 |
| 130°   | 503.2 | 504.2 | 505.2 | 506.3 | 507.3 | 507.8 | 508.0 | 508.5 | 509.0 | 509.5 | 510.0 |
| 132.5° | 529.3 | 530.3 | 531.3 | 532.4 | 533.4 | 533.9 | 534.1 | 534.5 | 534.8 | 535.2 | 535.6 |
| 135°   | 556.0 | 556.8 | 557.5 | 558.3 | 559.0 | 559.4 | 559.6 | 560.1 | 560.6 | 561.1 | 561.6 |
| 137.5° | 578.6 | 579.6 | 580.6 | 581.7 | 582.7 | 583.2 | 583.3 | 583.6 | 583.8 | 584.1 | 584.3 |
| 140°   | 601.3 | 602.1 | 602.8 | 603.6 | 604.3 | 604.7 | 604.9 | 605.3 | 605.6 | 606.0 | 606.4 |
| 142.5° | 622.3 | 623.1 | 623.8 | 624.6 | 625.3 | 625.7 | 625.9 | 626.3 | 626.6 | 627.0 | 627.4 |
| 145°   | 641.5 | 642.4 | 643.3 | 644.2 | 645.1 | 645.5 | 645.6 | 645.9 | 646.1 | 646.4 | 646.6 |
| 147.5° | 660.2 | 660.8 | 661.5 | 662.1 | 662.8 | 663.1 | 663.2 | 663.5 | 663.7 | 664.0 | 664.2 |
| 150°   | 677.2 | 677.6 | 678.0 | 678.3 | 678.7 | 678.9 | 679.0 | 679.3 | 679.6 | 679.8 | 680.1 |
| 152.5° | 692.5 | 692.6 | 692.8 | 692.9 | 693.0 | 693.1 | 693.2 | 693.3 | 693.4 | 693.6 | 693.7 |
| 155°   | 706.7 | 706.5 | 706.2 | 706.0 | 705.7 | 705.6 | 705.7 | 705.8 | 705.9 | 706.0 | 706.1 |
| 157.5° | 718.0 | 718.0 | 718.0 | 718.0 | 718.0 | 718.0 | 717.9 | 717.8 | 717.7 | 717.6 | 717.5 |
| 160°   | 728.2 | 728.1 | 728.0 | 727.9 | 727.8 | 727.7 | 727.6 | 727.5 | 727.4 | 727.2 | 727.1 |
| 162.5° | 737.9 | 737.5 | 737.1 | 736.8 | 736.4 | 736.2 | 736.1 | 736.0 | 735.9 | 735.7 | 735.6 |
| 165°   | 745.2 | 744.8 | 744.4 | 744.1 | 743.7 | 743.5 | 743.4 | 743.3 | 743.2 | 743.1 | 743.0 |
| 167.5° | 751.5 | 751.0 | 750.5 | 750.0 | 749.5 | 749.2 | 749.2 | 749.2 | 749.2 | 749.2 | 749.2 |
| 170°   | 756.6 | 756.1 | 755.6 | 755.1 | 754.6 | 754.3 | 754.3 | 754.3 | 754.3 | 754.3 | 754.3 |
| 172.5° | 760.0 | 759.4 | 758.7 | 758.1 | 757.4 | 757.1 | 757.2 | 757.3 | 757.4 | 757.6 | 757.7 |
| 175°   | 762.8 | 762.2 | 761.6 | 760.9 | 760.3 | 760.0 | 760.1 | 760.2 | 760.3 | 760.4 | 760.5 |
| 177.5° | 763.9 | 763.3 | 762.7 | 762.0 | 761.4 | 761.1 | 761.2 | 761.3 | 761.4 | 761.6 | 761.7 |
| 180°   | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 |
| 2.5°   | 1458.1 | 1460.7 | 1470.1 | 1476.8 | 1490.3 | 1488.9 | 1488.9 | 1487.6 | 1483.5 | 1490.3 | 1494.3 |
| 5°     | 1560.0 | 1582.8 | 1585.5 | 1615.0 | 1616.3 | 1628.4 | 1636.5 | 1629.8 | 1645.9 | 1644.5 | 1632.4 |
| 7.5°   | 1686.1 | 1716.9 | 1731.7 | 1759.9 | 1792.1 | 1784.0 | 1814.9 | 1820.2 | 1817.5 | 1831.0 | 1840.4 |
| 10°    | 1824.3 | 1877.9 | 1915.5 | 1967.8 | 1981.2 | 1989.2 | 2009.4 | 2026.8 | 2061.7 | 2034.8 | 2052.3 |
| 12.5°  | 1982.5 | 2021.4 | 2071.1 | 2154.2 | 2195.8 | 2222.6 | 2232.0 | 2244.1 | 2268.2 | 2253.5 | 2254.8 |
| 15°    | 2115.3 | 2167.6 | 2252.1 | 2355.4 | 2367.5 | 2401.0 | 2393.0 | 2465.4 | 2500.3 | 2448.0 | 2477.5 |
| 17.5°  | 2253.5 | 2323.2 | 2423.8 | 2513.7 | 2564.7 | 2587.5 | 2609.0 | 2678.7 | 2676.0 | 2668.0 | 2674.7 |
| 20°    | 2342.0 | 2456.0 | 2580.8 | 2700.2 | 2714.9 | 2732.4 | 2790.0 | 2819.5 | 2814.2 | 2837.0 | 2851.7 |
| 22.5°  | 2466.8 | 2587.5 | 2720.3 | 2799.4 | 2833.0 | 2853.1 | 2898.7 | 2917.5 | 2925.5 | 2930.9 | 2921.5 |
| 25°    | 2571.4 | 2700.2 | 2798.1 | 2867.8 | 2888.0 | 2898.7 | 2913.4 | 2918.8 | 2914.8 | 2905.4 | 2913.4 |
| 27.5°  | 2642.5 | 2745.8 | 2812.8 | 2845.0 | 2834.3 | 2816.9 | 2788.7 | 2769.9 | 2728.3 | 2708.2 | 2732.4 |
| 30°    | 2672.0 | 2717.6 | 2737.7 | 2684.1 | 2630.4 | 2587.5 | 2533.8 | 2434.6 | 2356.8 | 2379.6 | 2348.7 |
| 32.5°  | 2625.0 | 2595.5 | 2499.0 | 2360.8 | 2319.2 | 2249.5 | 2097.9 | 1981.2 | 1985.2 | 1923.5 | 1949.0 |
| 35°    | 2486.9 | 2352.8 | 2170.3 | 1961.1 | 1906.1 | 1868.5 | 1702.2 | 1676.7 | 1623.0 | 1565.4 | 1581.5 |
| 37.5°  | 2242.8 | 2046.9 | 1825.6 | 1671.3 | 1589.5 | 1507.7 | 1413.8 | 1357.5 | 1325.3 | 1301.1 | 1319.9 |
| 40°    | 1945.0 | 1706.2 | 1523.8 | 1385.6 | 1315.9 | 1263.6 | 1199.2 | 1142.8 | 1106.6 | 1102.6 | 1109.3 |
| 42.5°  | 1652.6 | 1451.4 | 1283.7 | 1152.2 | 1129.4 | 1067.7 | 1026.1 | 981.9  | 971.1  | 953.7  | 963.1  |
| 45°    | 1399.0 | 1235.4 | 1097.2 | 989.9  | 963.1  | 947.0  | 896.0  | 867.9  | 855.8  | 845.1  | 861.2  |
| 47.5°  | 1215.3 | 1043.6 | 943.0  | 878.6  | 851.8  | 824.9  | 796.8  | 778.0  | 768.6  | 769.9  | 768.6  |
| 50°    | 1038.2 | 912.1  | 823.6  | 774.0  | 757.9  | 739.1  | 716.3  | 704.2  | 700.2  | 688.1  | 697.5  |
| 52.5°  | 893.3  | 802.1  | 740.4  | 693.5  | 681.4  | 668.0  | 649.2  | 642.5  | 633.1  | 630.4  | 630.4  |
| 55°    | 776.6  | 705.6  | 655.9  | 625.1  | 610.3  | 599.6  | 588.9  | 580.8  | 574.1  | 574.1  | 574.1  |
| 57.5°  | 685.4  | 623.7  | 587.5  | 560.7  | 555.3  | 544.6  | 532.5  | 532.5  | 523.1  | 521.8  | 525.8  |
| 60°    | 607.6  | 552.6  | 524.5  | 501.7  | 493.6  | 490.9  | 478.9  | 478.9  | 476.2  | 469.5  | 474.8  |
| 62.5°  | 528.5  | 488.3  | 464.1  | 446.7  | 438.6  | 438.6  | 429.2  | 422.5  | 422.5  | 423.9  | 421.2  |
| 65°    | 456.1  | 426.6  | 405.1  | 391.7  | 387.7  | 382.3  | 380.9  | 375.6  | 371.6  | 372.9  | 371.6  |
| 67.5°  | 391.7  | 368.9  | 354.1  | 343.4  | 336.7  | 334.0  | 330.0  | 330.0  | 327.3  | 328.6  | 321.9  |
| 70°    | 334.0  | 311.2  | 299.1  | 288.4  | 285.7  | 285.7  | 280.3  | 281.7  | 279.0  | 283.0  | 280.3  |
| 72.5°  | 275.0  | 257.5  | 248.2  | 244.1  | 241.4  | 240.1  | 237.4  | 234.7  | 233.4  | 236.1  | 234.7  |
| 75°    | 222.7  | 207.9  | 201.2  | 198.5  | 195.8  | 195.8  | 194.5  | 193.2  | 191.8  | 191.8  | 191.8  |
| 77.5°  | 173.0  | 163.6  | 155.6  | 158.3  | 154.3  | 155.6  | 151.6  | 151.6  | 152.9  | 151.6  | 151.6  |
| 80°    | 127.4  | 120.7  | 120.7  | 118.0  | 112.7  | 115.4  | 115.4  | 111.3  | 110.0  | 112.7  | 108.7  |
| 82.5°  | 84.5   | 83.2   | 80.5   | 79.1   | 76.5   | 77.8   | 76.5   | 75.1   | 73.8   | 76.5   | 73.8   |
| 85°    | 49.6   | 49.6   | 48.3   | 45.6   | 48.3   | 46.9   | 45.6   | 45.6   | 44.3   | 44.3   | 44.3   |
| 87.5°  | 25.5   | 22.8   | 22.8   | 21.5   | 22.8   | 20.1   | 21.5   | 20.1   | 18.8   | 20.1   | 18.8   |
| 90°    | 14.1   | 14.6   | 15.1   | 15.6   | 15.9   | 16.0   | 16.3   | 16.5   | 16.8   | 17.0   | 16.8   |
| 92.5°  | 15.6   | 16.5   | 17.4   | 18.3   | 18.7   | 18.8   | 18.9   | 19.0   | 19.2   | 19.3   | 19.2   |
| 95°    | 18.5   | 19.3   | 20.2   | 21.1   | 21.5   | 21.5   | 21.5   | 21.5   | 21.5   | 21.5   | 21.5   |
| 97.5°  | 19.1   | 20.1   | 21.2   | 22.2   | 22.7   | 22.8   | 22.9   | 23.0   | 23.1   | 23.2   | 23.1   |
| 100°   | 19.7   | 20.7   | 21.7   | 22.7   | 23.2   | 23.3   | 23.4   | 23.5   | 23.7   | 23.8   | 23.7   |
| 102.5° | 37.7   | 33.6   | 29.4   | 25.3   | 23.2   | 23.3   | 23.6   | 23.9   | 24.1   | 24.4   | 24.1   |
| 105°   | 101.8  | 79.5   | 57.2   | 34.9   | 23.8   | 23.9   | 24.2   | 24.4   | 24.7   | 24.9   | 24.7   |
| 107.5° | 201.1  | 181.7  | 162.3  | 142.9  | 133.2  | 124.9  | 108.4  | 91.9   | 75.4   | 58.9   | 75.4   |
| 110°   | 251.4  | 247.3  | 243.1  | 239.0  | 236.9  | 227.9  | 209.9  | 191.8  | 173.8  | 155.8  | 173.8  |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 292.4 | 293.6 | 294.7 | 295.8 | 296.4 | 296.3 | 296.0 | 295.8 | 295.5 | 295.3 | 295.5 |
| 115°   | 326.6 | 327.8 | 329.1 | 330.4 | 331.0 | 331.2 | 331.7 | 332.2 | 332.7 | 333.2 | 332.7 |
| 117.5° | 359.7 | 360.7 | 361.8 | 362.8 | 363.3 | 363.4 | 363.5 | 363.6 | 363.7 | 363.8 | 363.7 |
| 120°   | 392.0 | 393.0 | 394.1 | 395.1 | 395.6 | 395.6 | 395.6 | 395.6 | 395.6 | 395.6 | 395.6 |
| 122.5° | 423.9 | 424.6 | 425.2 | 425.9 | 426.2 | 426.3 | 426.4 | 426.5 | 426.6 | 426.7 | 426.6 |
| 125°   | 453.6 | 453.9 | 454.1 | 454.4 | 454.5 | 454.6 | 454.9 | 455.1 | 455.4 | 455.6 | 455.4 |
| 127.5° | 483.8 | 484.2 | 484.5 | 484.9 | 485.1 | 485.0 | 484.7 | 484.5 | 484.2 | 484.0 | 484.2 |
| 130°   | 510.5 | 511.0 | 511.5 | 512.0 | 512.3 | 512.2 | 511.9 | 511.7 | 511.4 | 511.2 | 511.4 |
| 132.5° | 536.1 | 536.6 | 537.1 | 537.6 | 537.8 | 537.6 | 537.2 | 536.9 | 536.5 | 536.1 | 536.5 |
| 135°   | 562.0 | 562.4 | 562.7 | 563.1 | 563.3 | 563.1 | 562.7 | 562.4 | 562.0 | 561.6 | 562.0 |
| 137.5° | 584.9 | 585.5 | 586.2 | 586.8 | 587.1 | 587.0 | 586.7 | 586.5 | 586.2 | 586.0 | 586.2 |
| 140°   | 606.9 | 607.4 | 607.9 | 608.4 | 608.7 | 608.6 | 608.3 | 608.0 | 607.8 | 607.5 | 607.8 |
| 142.5° | 627.8 | 628.2 | 628.5 | 628.9 | 629.1 | 628.9 | 628.5 | 628.2 | 627.8 | 627.4 | 627.8 |
| 145°   | 646.9 | 647.1 | 647.4 | 647.7 | 647.8 | 647.8 | 647.8 | 647.8 | 647.8 | 647.8 | 647.8 |
| 147.5° | 664.4 | 664.7 | 664.9 | 665.2 | 665.3 | 665.0 | 664.4 | 663.7 | 663.1 | 662.5 | 663.1 |
| 150°   | 680.3 | 680.6 | 680.8 | 681.1 | 681.2 | 681.0 | 680.6 | 680.3 | 679.9 | 679.5 | 679.9 |
| 152.5° | 694.2 | 694.7 | 695.2 | 695.7 | 695.9 | 695.6 | 695.0 | 694.3 | 693.7 | 693.1 | 693.7 |
| 155°   | 706.7 | 707.4 | 708.0 | 708.7 | 709.0 | 708.6 | 707.9 | 707.1 | 706.4 | 705.6 | 706.4 |
| 157.5° | 718.3 | 719.0 | 719.8 | 720.5 | 720.9 | 720.4 | 719.4 | 718.3 | 717.3 | 716.3 | 717.3 |
| 160°   | 727.9 | 728.6 | 729.4 | 730.1 | 730.5 | 730.1 | 729.2 | 728.3 | 727.4 | 726.5 | 727.4 |
| 162.5° | 736.5 | 737.4 | 738.3 | 739.2 | 739.6 | 739.2 | 738.5 | 737.7 | 737.0 | 736.2 | 737.0 |
| 165°   | 744.0 | 745.0 | 746.0 | 747.0 | 747.5 | 747.1 | 746.2 | 745.3 | 744.4 | 743.5 | 744.4 |
| 167.5° | 750.2 | 751.2 | 752.2 | 753.2 | 753.7 | 753.2 | 752.2 | 751.2 | 750.2 | 749.2 | 750.2 |
| 170°   | 755.3 | 756.3 | 757.3 | 758.3 | 758.8 | 758.3 | 757.3 | 756.3 | 755.3 | 754.3 | 755.3 |
| 172.5° | 758.7 | 759.7 | 760.7 | 761.7 | 762.2 | 761.6 | 760.5 | 759.4 | 758.2 | 757.1 | 758.2 |
| 175°   | 761.4 | 762.3 | 763.2 | 764.1 | 764.5 | 764.0 | 763.0 | 762.0 | 761.0 | 760.0 | 761.0 |
| 177.5° | 762.7 | 763.7 | 764.7 | 765.7 | 766.2 | 765.6 | 764.3 | 763.0 | 761.8 | 760.5 | 761.8 |
| 180°   | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 |

TEST NUMBER: P1010439

CATALOG NUMBER: S123DIP-B1000D585UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 |
| 2.5°   | 1483.5 | 1487.6 | 1476.8 | 1474.2 | 1474.2 | 1479.5 | 1475.5 | 1439.3 | 1446.0 | 1437.9 | 1435.3 |
| 5°     | 1647.2 | 1639.1 | 1628.4 | 1623.0 | 1616.3 | 1597.6 | 1596.2 | 1554.6 | 1546.6 | 1519.8 | 1507.7 |
| 7.5°   | 1826.9 | 1820.2 | 1788.0 | 1784.0 | 1781.3 | 1763.9 | 1719.6 | 1675.4 | 1643.2 | 1612.3 | 1582.8 |
| 10°    | 2032.2 | 2012.0 | 1997.3 | 1967.8 | 1953.0 | 1928.9 | 1871.2 | 1829.6 | 1774.6 | 1727.7 | 1666.0 |
| 12.5°  | 2279.0 | 2256.2 | 2206.5 | 2185.1 | 2166.3 | 2099.2 | 2041.6 | 1994.6 | 1887.3 | 1855.1 | 1778.6 |
| 15°    | 2460.1 | 2411.8 | 2406.4 | 2359.5 | 2356.8 | 2283.0 | 2173.0 | 2122.0 | 2038.9 | 1920.8 | 1841.7 |
| 17.5°  | 2655.9 | 2613.0 | 2579.4 | 2523.1 | 2515.1 | 2445.3 | 2364.8 | 2240.1 | 2148.9 | 2036.2 | 1935.6 |
| 20°    | 2799.4 | 2776.6 | 2718.9 | 2696.1 | 2649.2 | 2590.2 | 2507.0 | 2352.8 | 2241.4 | 2128.7 | 2005.3 |
| 22.5°  | 2913.4 | 2890.6 | 2845.0 | 2814.2 | 2787.4 | 2710.9 | 2611.6 | 2480.2 | 2327.3 | 2179.7 | 2052.3 |
| 25°    | 2912.1 | 2905.4 | 2886.6 | 2871.9 | 2851.7 | 2795.4 | 2712.2 | 2586.1 | 2415.8 | 2253.5 | 2076.4 |
| 27.5°  | 2747.1 | 2765.9 | 2798.1 | 2814.2 | 2810.2 | 2802.1 | 2755.2 | 2649.2 | 2496.3 | 2303.1 | 2104.6 |
| 30°    | 2403.7 | 2472.1 | 2532.5 | 2613.0 | 2637.1 | 2696.1 | 2723.0 | 2662.6 | 2540.5 | 2360.8 | 2140.8 |
| 32.5°  | 1993.3 | 2092.5 | 2224.0 | 2268.2 | 2344.7 | 2458.7 | 2586.1 | 2609.0 | 2532.5 | 2394.3 | 2163.6 |
| 35°    | 1635.1 | 1716.9 | 1818.9 | 1888.6 | 1957.0 | 2142.2 | 2303.1 | 2442.6 | 2468.1 | 2376.9 | 2158.3 |
| 37.5°  | 1353.4 | 1411.1 | 1501.0 | 1560.0 | 1623.0 | 1781.3 | 2006.7 | 2187.8 | 2315.2 | 2317.9 | 2143.5 |
| 40°    | 1149.5 | 1175.0 | 1252.8 | 1295.8 | 1356.1 | 1492.9 | 1694.1 | 1930.2 | 2116.7 | 2202.5 | 2104.6 |
| 42.5°  | 973.8  | 1007.4 | 1071.7 | 1103.9 | 1142.8 | 1262.2 | 1395.0 | 1619.0 | 1849.7 | 2033.5 | 2032.2 |
| 45°    | 869.2  | 893.3  | 922.9  | 949.7  | 994.0  | 1065.0 | 1216.6 | 1384.3 | 1605.6 | 1813.5 | 1895.3 |
| 47.5°  | 776.6  | 799.5  | 829.0  | 837.0  | 866.5  | 933.6  | 1026.1 | 1172.4 | 1378.9 | 1585.5 | 1739.7 |
| 50°    | 698.9  | 717.6  | 737.7  | 752.5  | 765.9  | 820.9  | 890.7  | 1014.1 | 1179.1 | 1378.9 | 1570.7 |
| 52.5°  | 638.5  | 651.9  | 669.3  | 677.4  | 689.5  | 729.7  | 783.4  | 874.6  | 1010.0 | 1192.5 | 1378.9 |
| 55°    | 582.2  | 591.5  | 602.3  | 615.7  | 621.1  | 650.6  | 692.1  | 769.9  | 870.5  | 1034.2 | 1211.3 |
| 57.5°  | 529.8  | 533.9  | 540.6  | 548.6  | 555.3  | 580.8  | 617.0  | 669.3  | 757.9  | 884.0  | 1051.6 |
| 60°    | 470.8  | 481.5  | 485.6  | 493.6  | 497.6  | 517.8  | 545.9  | 590.2  | 658.6  | 767.3  | 893.3  |
| 62.5°  | 421.2  | 427.9  | 434.6  | 438.6  | 448.0  | 454.7  | 477.5  | 517.8  | 574.1  | 654.6  | 768.6  |
| 65°    | 376.9  | 379.6  | 383.6  | 387.7  | 390.3  | 398.4  | 419.8  | 446.7  | 489.6  | 560.7  | 649.2  |
| 67.5°  | 326.0  | 328.6  | 334.0  | 335.3  | 338.0  | 348.8  | 360.8  | 383.6  | 419.8  | 473.5  | 545.9  |
| 70°    | 276.3  | 280.3  | 283.0  | 285.7  | 289.7  | 293.8  | 307.2  | 326.0  | 354.1  | 391.7  | 448.0  |
| 72.5°  | 233.4  | 237.4  | 237.4  | 240.1  | 238.8  | 244.1  | 257.5  | 271.0  | 289.7  | 320.6  | 370.2  |
| 75°    | 190.5  | 190.5  | 193.2  | 194.5  | 195.8  | 201.2  | 206.6  | 217.3  | 232.1  | 256.2  | 287.1  |
| 77.5°  | 150.2  | 148.9  | 151.6  | 151.6  | 151.6  | 155.6  | 161.0  | 166.3  | 175.7  | 193.2  | 217.3  |
| 80°    | 110.0  | 110.0  | 112.7  | 114.0  | 111.3  | 112.7  | 115.4  | 120.7  | 127.4  | 139.5  | 152.9  |
| 82.5°  | 72.4   | 77.8   | 76.5   | 77.8   | 76.5   | 79.1   | 80.5   | 81.8   | 84.5   | 89.9   | 99.3   |
| 85°    | 44.3   | 44.3   | 44.3   | 45.6   | 44.3   | 45.6   | 45.6   | 45.6   | 46.9   | 49.6   | 53.7   |
| 87.5°  | 18.8   | 18.8   | 18.8   | 20.1   | 18.8   | 18.8   | 20.1   | 18.8   | 20.1   | 20.1   | 21.5   |
| 90°    | 16.5   | 16.3   | 16.0   | 15.9   | 15.6   | 15.1   | 14.6   | 14.1   | 13.6   | 12.0   | 10.3   |
| 92.5°  | 19.0   | 18.9   | 18.8   | 18.7   | 18.3   | 17.4   | 16.5   | 15.6   | 14.7   | 13.6   | 12.4   |
| 95°    | 21.5   | 21.5   | 21.5   | 21.5   | 21.1   | 20.2   | 19.3   | 18.5   | 17.6   | 16.2   | 14.8   |
| 97.5°  | 23.0   | 22.9   | 22.8   | 22.7   | 22.2   | 21.2   | 20.1   | 19.1   | 18.1   | 24.5   | 30.9   |
| 100°   | 23.5   | 23.4   | 23.3   | 23.2   | 22.7   | 21.7   | 20.7   | 19.7   | 18.7   | 38.3   | 58.0   |
| 102.5° | 23.9   | 23.6   | 23.3   | 23.2   | 25.3   | 29.4   | 33.6   | 37.7   | 41.9   | 63.8   | 85.7   |
| 105°   | 24.4   | 24.2   | 23.9   | 23.8   | 34.9   | 57.2   | 79.5   | 101.8  | 124.1  | 135.4  | 146.8  |
| 107.5° | 91.9   | 108.4  | 124.9  | 133.2  | 142.9  | 162.3  | 181.7  | 201.1  | 220.5  | 218.6  | 216.7  |
| 110°   | 191.8  | 209.9  | 227.9  | 236.9  | 239.0  | 243.1  | 247.3  | 251.4  | 255.6  | 254.2  | 252.8  |

TEST NUMBER: P1010439

CATALOG NUMBER: S123DIP-B1000D585UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 295.8 | 296.0 | 296.3 | 296.4  | 295.8 | 294.7 | 293.6 | 292.4 | 291.3 | 289.9 | 288.5 |
| 115°   | 332.2 | 331.7 | 331.2 | 331.0  | 330.4 | 329.1 | 327.8 | 326.6 | 325.3 | 324.2 | 323.0 |
| 117.5° | 363.6 | 363.5 | 363.4 | 363.3  | 362.8 | 361.8 | 360.7 | 359.7 | 358.7 | 358.1 | 357.5 |
| 120°   | 395.6 | 395.6 | 395.6 | 395.6  | 395.1 | 394.1 | 393.0 | 392.0 | 391.0 | 390.6 | 390.2 |
| 122.5° | 426.5 | 426.4 | 426.3 | 426.2  | 425.9 | 425.2 | 424.6 | 423.9 | 423.3 | 422.8 | 422.3 |
| 125°   | 455.1 | 454.9 | 454.6 | 454.5  | 454.4 | 454.1 | 453.9 | 453.6 | 453.4 | 452.9 | 452.4 |
| 127.5° | 484.5 | 484.7 | 485.0 | 485.1  | 484.9 | 484.5 | 484.2 | 483.8 | 483.4 | 482.8 | 482.2 |
| 130°   | 511.7 | 511.9 | 512.2 | 512.3  | 512.0 | 511.5 | 511.0 | 510.5 | 510.0 | 509.5 | 509.0 |
| 132.5° | 536.9 | 537.2 | 537.6 | 537.8  | 537.6 | 537.1 | 536.6 | 536.1 | 535.6 | 535.2 | 534.8 |
| 135°   | 562.4 | 562.7 | 563.1 | 563.3  | 563.1 | 562.7 | 562.4 | 562.0 | 561.6 | 561.1 | 560.6 |
| 137.5° | 586.5 | 586.7 | 587.0 | 587.1  | 586.8 | 586.2 | 585.5 | 584.9 | 584.3 | 584.1 | 583.8 |
| 140°   | 608.0 | 608.3 | 608.6 | 608.7  | 608.4 | 607.9 | 607.4 | 606.9 | 606.4 | 606.0 | 605.6 |
| 142.5° | 628.2 | 628.5 | 628.9 | 629.1  | 628.9 | 628.5 | 628.2 | 627.8 | 627.4 | 627.0 | 626.6 |
| 145°   | 647.8 | 647.8 | 647.8 | 647.8  | 647.7 | 647.4 | 647.1 | 646.9 | 646.6 | 646.4 | 646.1 |
| 147.5° | 663.7 | 664.4 | 665.0 | 665.3  | 665.2 | 664.9 | 664.7 | 664.4 | 664.2 | 664.0 | 663.7 |
| 150°   | 680.3 | 680.6 | 681.0 | 681.2  | 681.1 | 680.8 | 680.6 | 680.3 | 680.1 | 679.8 | 679.6 |
| 152.5° | 694.3 | 695.0 | 695.6 | 695.9  | 695.7 | 695.2 | 694.7 | 694.2 | 693.7 | 693.6 | 693.4 |
| 155°   | 707.1 | 707.9 | 708.6 | 709.0  | 708.7 | 708.0 | 707.4 | 706.7 | 706.1 | 706.0 | 705.9 |
| 157.5° | 718.3 | 719.4 | 720.4 | 720.9  | 720.5 | 719.8 | 719.0 | 718.3 | 717.5 | 717.6 | 717.7 |
| 160°   | 728.3 | 729.2 | 730.1 | 730.5  | 730.1 | 729.4 | 728.6 | 727.9 | 727.1 | 727.2 | 727.4 |
| 162.5° | 737.7 | 738.5 | 739.2 | 739.6  | 739.2 | 738.3 | 737.4 | 736.5 | 735.6 | 735.7 | 735.9 |
| 165°   | 745.3 | 746.2 | 747.1 | 747.5  | 747.0 | 746.0 | 745.0 | 744.0 | 743.0 | 743.1 | 743.2 |
| 167.5° | 751.2 | 752.2 | 753.2 | 753.7  | 753.2 | 752.2 | 751.2 | 750.2 | 749.2 | 749.2 | 749.2 |
| 170°   | 756.3 | 757.3 | 758.3 | 758.8  | 758.3 | 757.3 | 756.3 | 755.3 | 754.3 | 754.3 | 754.3 |
| 172.5° | 759.4 | 760.5 | 761.6 | 762.2  | 761.7 | 760.7 | 759.7 | 758.7 | 757.7 | 757.6 | 757.4 |
| 175°   | 762.0 | 763.0 | 764.0 | 764.5  | 764.1 | 763.2 | 762.3 | 761.4 | 760.5 | 760.4 | 760.3 |
| 177.5° | 763.0 | 764.3 | 765.6 | 766.2  | 765.7 | 764.7 | 763.7 | 762.7 | 761.7 | 761.6 | 761.4 |
| 180°   | 762.8 | 762.8 | 762.8 | 762.8  | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 |
| 2.5°   | 1421.8 | 1417.8 | 1417.8 | 1415.1 | 1407.1 | 1392.3 | 1391.0 | 1393.7 | 1385.6 | 1377.6 | 1365.5 |
| 5°     | 1491.6 | 1466.1 | 1458.1 | 1450.0 | 1433.9 | 1407.1 | 1396.4 | 1387.0 | 1372.2 | 1354.8 | 1336.0 |
| 7.5°   | 1550.6 | 1514.4 | 1503.7 | 1488.9 | 1456.7 | 1419.2 | 1395.0 | 1374.9 | 1354.8 | 1330.6 | 1307.8 |
| 10°    | 1624.4 | 1572.1 | 1546.6 | 1525.1 | 1480.9 | 1428.6 | 1392.3 | 1362.8 | 1330.6 | 1301.1 | 1271.6 |
| 12.5°  | 1707.6 | 1623.0 | 1615.0 | 1562.7 | 1511.7 | 1433.9 | 1389.7 | 1346.7 | 1303.8 | 1267.6 | 1236.7 |
| 15°    | 1777.3 | 1684.8 | 1651.2 | 1616.3 | 1518.4 | 1421.8 | 1378.9 | 1330.6 | 1281.0 | 1242.1 | 1196.5 |
| 17.5°  | 1821.6 | 1745.1 | 1674.0 | 1627.1 | 1525.1 | 1439.3 | 1356.1 | 1301.1 | 1248.8 | 1195.2 | 1157.6 |
| 20°    | 1875.2 | 1763.9 | 1702.2 | 1639.1 | 1538.5 | 1425.9 | 1342.7 | 1274.3 | 1209.9 | 1161.6 | 1116.0 |
| 22.5°  | 1928.9 | 1778.6 | 1727.7 | 1659.3 | 1541.2 | 1412.5 | 1318.6 | 1250.2 | 1176.4 | 1128.1 | 1078.5 |
| 25°    | 1923.5 | 1800.1 | 1715.6 | 1657.9 | 1514.4 | 1400.4 | 1290.4 | 1209.9 | 1141.5 | 1079.8 | 1030.2 |
| 27.5°  | 1927.5 | 1776.0 | 1690.1 | 1623.0 | 1495.6 | 1382.9 | 1260.9 | 1176.4 | 1105.3 | 1040.9 | 988.6  |
| 30°    | 1928.9 | 1739.7 | 1664.6 | 1584.1 | 1460.7 | 1341.4 | 1227.3 | 1141.5 | 1066.4 | 996.6  | 949.7  |
| 32.5°  | 1924.9 | 1710.2 | 1616.3 | 1543.9 | 1405.7 | 1301.1 | 1188.4 | 1097.2 | 1020.8 | 956.4  | 912.1  |
| 35°    | 1915.5 | 1675.4 | 1566.7 | 1475.5 | 1349.4 | 1243.4 | 1152.2 | 1058.3 | 976.5  | 917.5  | 866.5  |
| 37.5°  | 1890.0 | 1637.8 | 1514.4 | 1424.5 | 1283.7 | 1176.4 | 1095.9 | 1018.1 | 939.0  | 869.2  | 826.3  |
| 40°    | 1871.2 | 1586.8 | 1462.1 | 1364.2 | 1212.6 | 1108.0 | 1040.9 | 967.1  | 889.3  | 826.3  | 784.7  |
| 42.5°  | 1828.3 | 1538.5 | 1408.4 | 1291.7 | 1142.8 | 1035.5 | 972.5  | 913.5  | 846.4  | 784.7  | 747.1  |
| 45°    | 1758.5 | 1486.2 | 1342.7 | 1224.7 | 1066.4 | 964.4  | 906.8  | 858.5  | 799.5  | 740.4  | 702.9  |
| 47.5°  | 1660.6 | 1411.1 | 1273.0 | 1154.9 | 991.3  | 888.0  | 830.3  | 794.1  | 747.1  | 697.5  | 665.3  |
| 50°    | 1554.6 | 1329.3 | 1201.9 | 1085.2 | 918.8  | 818.2  | 761.9  | 728.4  | 697.5  | 651.9  | 621.1  |
| 52.5°  | 1416.5 | 1242.1 | 1120.0 | 1008.7 | 841.0  | 744.5  | 694.8  | 670.7  | 638.5  | 606.3  | 579.5  |
| 55°    | 1282.3 | 1129.4 | 1028.8 | 922.9  | 764.6  | 674.7  | 626.4  | 600.9  | 582.2  | 555.3  | 533.9  |
| 57.5°  | 1126.7 | 1024.8 | 932.2  | 835.7  | 693.5  | 611.7  | 566.1  | 535.2  | 523.1  | 511.1  | 490.9  |
| 60°    | 983.2  | 905.4  | 830.3  | 749.8  | 619.7  | 545.9  | 501.7  | 477.5  | 465.5  | 457.4  | 444.0  |
| 62.5°  | 851.8  | 791.4  | 727.0  | 662.6  | 544.6  | 477.5  | 444.0  | 419.8  | 409.1  | 407.8  | 395.7  |
| 65°    | 725.7  | 682.8  | 630.4  | 567.4  | 474.8  | 415.8  | 383.6  | 368.9  | 356.8  | 356.8  | 347.4  |
| 67.5°  | 599.6  | 570.1  | 528.5  | 484.2  | 411.8  | 356.8  | 327.3  | 313.9  | 307.2  | 307.2  | 300.5  |
| 70°    | 499.0  | 478.9  | 441.3  | 402.4  | 339.4  | 297.8  | 275.0  | 262.9  | 258.9  | 260.2  | 254.9  |
| 72.5°  | 405.1  | 383.6  | 352.8  | 324.6  | 277.7  | 246.8  | 230.7  | 217.3  | 210.6  | 211.9  | 210.6  |
| 75°    | 313.9  | 303.1  | 276.3  | 254.9  | 217.3  | 195.8  | 181.1  | 174.4  | 169.0  | 170.4  | 167.7  |
| 77.5°  | 236.1  | 220.0  | 205.2  | 190.5  | 167.7  | 150.2  | 138.2  | 131.5  | 127.4  | 127.4  | 127.4  |
| 80°    | 161.0  | 158.3  | 146.2  | 138.2  | 119.4  | 106.0  | 96.6   | 95.2   | 91.2   | 91.2   | 91.2   |
| 82.5°  | 104.6  | 97.9   | 91.2   | 85.8   | 75.1   | 67.1   | 63.0   | 60.4   | 59.0   | 57.7   | 60.4   |
| 85°    | 57.7   | 53.7   | 51.0   | 45.6   | 41.6   | 37.6   | 33.5   | 32.2   | 30.9   | 32.2   | 30.9   |
| 87.5°  | 22.8   | 18.8   | 18.8   | 17.4   | 16.1   | 14.8   | 14.8   | 12.1   | 12.1   | 10.7   | 10.7   |
| 90°    | 8.7    | 7.0    | 6.2    | 5.6    | 4.3    | 3.1    | 1.8    | 0.6    | 1.8    | 3.1    | 4.3    |
| 92.5°  | 11.3   | 10.2   | 9.6    | 10.0   | 10.7   | 11.5   | 12.2   | 13.0   | 12.2   | 11.5   | 10.7   |
| 95°    | 13.4   | 12.0   | 11.3   | 13.9   | 19.1   | 24.2   | 29.4   | 34.6   | 29.4   | 24.2   | 19.1   |
| 97.5°  | 37.4   | 43.8   | 47.0   | 48.8   | 52.3   | 55.8   | 59.4   | 62.9   | 59.4   | 55.8   | 52.3   |
| 100°   | 77.6   | 97.3   | 107.1  | 105.8  | 103.3  | 100.8  | 98.3   | 95.8   | 98.3   | 100.8  | 103.3  |
| 102.5° | 107.6  | 129.5  | 140.5  | 139.7  | 138.1  | 136.4  | 134.8  | 133.2  | 134.8  | 136.4  | 138.1  |
| 105°   | 158.1  | 169.4  | 175.1  | 174.4  | 173.0  | 171.7  | 170.3  | 168.9  | 170.3  | 171.7  | 173.0  |
| 107.5° | 214.8  | 212.9  | 212.0  | 211.4  | 210.3  | 209.2  | 208.0  | 206.9  | 208.0  | 209.2  | 210.3  |
| 110°   | 251.5  | 250.1  | 249.4  | 248.9  | 247.9  | 246.8  | 245.8  | 244.8  | 245.8  | 246.8  | 247.9  |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 287.2 | 285.8 | 285.1  | 284.7 | 283.8 | 282.9 | 282.0 | 281.1 | 282.0 | 282.9 | 283.8 |
| 115°   | 321.9 | 320.8 | 320.2  | 319.8 | 319.1 | 318.3 | 317.6 | 316.8 | 317.6 | 318.3 | 319.1 |
| 117.5° | 356.8 | 356.2 | 355.9  | 355.5 | 354.6 | 353.7 | 352.8 | 351.9 | 352.8 | 353.7 | 354.6 |
| 120°   | 389.9 | 389.5 | 389.3  | 388.7 | 387.6 | 386.5 | 385.3 | 384.2 | 385.3 | 386.5 | 387.6 |
| 122.5° | 421.8 | 421.3 | 421.1  | 420.7 | 419.8 | 418.9 | 418.0 | 417.1 | 418.0 | 418.9 | 419.8 |
| 125°   | 451.9 | 451.4 | 451.1  | 450.6 | 449.6 | 448.6 | 447.6 | 446.6 | 447.6 | 448.6 | 449.6 |
| 127.5° | 481.5 | 480.9 | 480.6  | 480.1 | 479.1 | 478.0 | 477.0 | 476.0 | 477.0 | 478.0 | 479.1 |
| 130°   | 508.5 | 508.0 | 507.8  | 507.3 | 506.3 | 505.2 | 504.2 | 503.2 | 504.2 | 505.2 | 506.3 |
| 132.5° | 534.5 | 534.1 | 533.9  | 533.4 | 532.4 | 531.3 | 530.3 | 529.3 | 530.3 | 531.3 | 532.4 |
| 135°   | 560.1 | 559.6 | 559.4  | 559.0 | 558.3 | 557.5 | 556.8 | 556.0 | 556.8 | 557.5 | 558.3 |
| 137.5° | 583.6 | 583.3 | 583.2  | 582.7 | 581.7 | 580.6 | 579.6 | 578.6 | 579.6 | 580.6 | 581.7 |
| 140°   | 605.3 | 604.9 | 604.7  | 604.3 | 603.6 | 602.8 | 602.1 | 601.3 | 602.1 | 602.8 | 603.6 |
| 142.5° | 626.3 | 625.9 | 625.7  | 625.3 | 624.6 | 623.8 | 623.1 | 622.3 | 623.1 | 623.8 | 624.6 |
| 145°   | 645.9 | 645.6 | 645.5  | 645.1 | 644.2 | 643.3 | 642.4 | 641.5 | 642.4 | 643.3 | 644.2 |
| 147.5° | 663.5 | 663.2 | 663.1  | 662.8 | 662.1 | 661.5 | 660.8 | 660.2 | 660.8 | 661.5 | 662.1 |
| 150°   | 679.3 | 679.0 | 678.9  | 678.7 | 678.3 | 678.0 | 677.6 | 677.2 | 677.6 | 678.0 | 678.3 |
| 152.5° | 693.3 | 693.2 | 693.1  | 693.0 | 692.9 | 692.8 | 692.6 | 692.5 | 692.6 | 692.8 | 692.9 |
| 155°   | 705.8 | 705.7 | 705.6  | 705.7 | 706.0 | 706.2 | 706.5 | 706.7 | 706.5 | 706.2 | 706.0 |
| 157.5° | 717.8 | 717.9 | 718.0  | 718.0 | 718.0 | 718.0 | 718.0 | 718.0 | 718.0 | 718.0 | 718.0 |
| 160°   | 727.5 | 727.6 | 727.7  | 727.8 | 727.9 | 728.0 | 728.1 | 728.2 | 728.1 | 728.0 | 727.9 |
| 162.5° | 736.0 | 736.1 | 736.2  | 736.4 | 736.8 | 737.1 | 737.5 | 737.9 | 737.5 | 737.1 | 736.8 |
| 165°   | 743.3 | 743.4 | 743.5  | 743.7 | 744.1 | 744.4 | 744.8 | 745.2 | 744.8 | 744.4 | 744.1 |
| 167.5° | 749.2 | 749.2 | 749.2  | 749.5 | 750.0 | 750.5 | 751.0 | 751.5 | 751.0 | 750.5 | 750.0 |
| 170°   | 754.3 | 754.3 | 754.3  | 754.6 | 755.1 | 755.6 | 756.1 | 756.6 | 756.1 | 755.6 | 755.1 |
| 172.5° | 757.3 | 757.2 | 757.1  | 757.4 | 758.1 | 758.7 | 759.4 | 760.0 | 759.4 | 758.7 | 758.1 |
| 175°   | 760.2 | 760.1 | 760.0  | 760.3 | 760.9 | 761.6 | 762.2 | 762.8 | 762.2 | 761.6 | 760.9 |
| 177.5° | 761.3 | 761.2 | 761.1  | 761.4 | 762.0 | 762.7 | 763.3 | 763.9 | 763.3 | 762.7 | 762.0 |
| 180°   | 762.8 | 762.8 | 762.8  | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 |

TEST NUMBER: P1010439

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**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 |
| 2.5°   | 1362.8 | 1361.5 | 1364.2 | 1356.1 | 1342.7 | 1336.0 | 1317.2 | 1313.2 | 1311.9 | 1313.2 | 1314.5 |
| 5°     | 1325.3 | 1323.9 | 1319.9 | 1306.5 | 1290.4 | 1278.3 | 1255.5 | 1254.2 | 1246.1 | 1238.1 | 1242.1 |
| 7.5°   | 1289.1 | 1283.7 | 1275.6 | 1258.2 | 1236.7 | 1223.3 | 1204.5 | 1191.1 | 1180.4 | 1173.7 | 1168.3 |
| 10°    | 1252.8 | 1244.8 | 1236.7 | 1213.9 | 1187.1 | 1167.0 | 1144.2 | 1133.5 | 1121.4 | 1116.0 | 1110.6 |
| 12.5°  | 1205.9 | 1197.8 | 1183.1 | 1156.3 | 1140.2 | 1114.7 | 1091.9 | 1081.1 | 1074.4 | 1063.7 | 1057.0 |
| 15°    | 1168.3 | 1152.2 | 1144.2 | 1116.0 | 1082.5 | 1079.8 | 1038.2 | 1035.5 | 1022.1 | 1022.1 | 1011.4 |
| 17.5°  | 1125.4 | 1113.3 | 1098.6 | 1070.4 | 1046.3 | 1022.1 | 1000.7 | 992.6  | 980.5  | 977.9  | 972.5  |
| 20°    | 1083.8 | 1067.7 | 1062.4 | 1034.2 | 1008.7 | 979.2  | 956.4  | 948.3  | 943.0  | 937.6  | 941.6  |
| 22.5°  | 1040.9 | 1027.5 | 1014.1 | 988.6  | 969.8  | 940.3  | 926.9  | 918.8  | 910.8  | 908.1  | 909.4  |
| 25°    | 999.3  | 987.2  | 973.8  | 948.3  | 928.2  | 904.1  | 892.0  | 888.0  | 884.0  | 884.0  | 882.6  |
| 27.5°  | 959.1  | 947.0  | 934.9  | 912.1  | 892.0  | 874.6  | 865.2  | 861.2  | 857.1  | 859.8  | 862.5  |
| 30°    | 917.5  | 906.8  | 896.0  | 875.9  | 859.8  | 843.7  | 838.4  | 835.7  | 834.3  | 841.0  | 841.0  |
| 32.5°  | 879.9  | 870.5  | 862.5  | 843.7  | 827.6  | 814.2  | 810.2  | 811.5  | 812.9  | 816.9  | 819.6  |
| 35°    | 841.0  | 834.3  | 826.3  | 810.2  | 796.8  | 784.7  | 786.0  | 786.0  | 788.7  | 795.4  | 800.8  |
| 37.5°  | 806.2  | 796.8  | 790.1  | 776.6  | 765.9  | 755.2  | 759.2  | 763.2  | 765.9  | 774.0  | 776.6  |
| 40°    | 764.6  | 760.6  | 755.2  | 741.8  | 732.4  | 731.0  | 732.4  | 735.1  | 740.4  | 744.5  | 748.5  |
| 42.5°  | 731.0  | 725.7  | 719.0  | 708.2  | 700.2  | 701.5  | 702.9  | 705.6  | 708.2  | 714.9  | 719.0  |
| 45°    | 693.5  | 689.5  | 684.1  | 674.7  | 668.0  | 669.3  | 670.7  | 670.7  | 673.4  | 681.4  | 684.1  |
| 47.5°  | 651.9  | 653.2  | 646.5  | 637.1  | 633.1  | 633.1  | 633.1  | 635.8  | 642.5  | 645.2  | 646.5  |
| 50°    | 611.7  | 609.0  | 607.6  | 598.2  | 595.6  | 594.2  | 595.6  | 596.9  | 606.3  | 605.0  | 609.0  |
| 52.5°  | 568.7  | 568.7  | 567.4  | 562.0  | 558.0  | 558.0  | 555.3  | 562.0  | 564.7  | 567.4  | 571.4  |
| 55°    | 527.2  | 523.1  | 521.8  | 519.1  | 513.7  | 512.4  | 515.1  | 523.1  | 525.8  | 528.5  | 532.5  |
| 57.5°  | 481.5  | 481.5  | 478.9  | 474.8  | 474.8  | 474.8  | 474.8  | 480.2  | 484.2  | 486.9  | 495.0  |
| 60°    | 440.0  | 434.6  | 430.6  | 430.6  | 430.6  | 429.2  | 437.3  | 437.3  | 445.3  | 446.7  | 449.4  |
| 62.5°  | 390.3  | 387.7  | 385.0  | 386.3  | 385.0  | 387.7  | 390.3  | 395.7  | 397.0  | 401.1  | 405.1  |
| 65°    | 343.4  | 343.4  | 340.7  | 348.8  | 343.4  | 343.4  | 350.1  | 350.1  | 352.8  | 356.8  | 362.2  |
| 67.5°  | 297.8  | 299.1  | 296.4  | 296.4  | 299.1  | 300.5  | 301.8  | 307.2  | 308.5  | 313.9  | 320.6  |
| 70°    | 250.8  | 253.5  | 254.9  | 252.2  | 254.9  | 257.5  | 260.2  | 261.6  | 266.9  | 269.6  | 273.6  |
| 72.5°  | 209.3  | 211.9  | 207.9  | 209.3  | 210.6  | 213.3  | 214.6  | 217.3  | 220.0  | 228.0  | 230.7  |
| 75°    | 167.7  | 166.3  | 165.0  | 170.4  | 167.7  | 173.0  | 174.4  | 174.4  | 177.1  | 183.8  | 186.4  |
| 77.5°  | 128.8  | 128.8  | 130.1  | 127.4  | 131.5  | 130.1  | 131.5  | 135.5  | 139.5  | 139.5  | 150.2  |
| 80°    | 89.9   | 92.6   | 92.6   | 92.6   | 93.9   | 95.2   | 92.6   | 99.3   | 100.6  | 100.6  | 104.6  |
| 82.5°  | 57.7   | 59.0   | 57.7   | 60.4   | 60.4   | 63.0   | 61.7   | 63.0   | 65.7   | 68.4   | 69.8   |
| 85°    | 30.9   | 30.9   | 33.5   | 33.5   | 32.2   | 33.5   | 32.2   | 33.5   | 36.2   | 36.2   | 37.6   |
| 87.5°  | 10.7   | 10.7   | 10.7   | 10.7   | 12.1   | 10.7   | 12.1   | 12.1   | 10.7   | 10.7   | 14.8   |
| 90°    | 5.6    | 6.2    | 7.0    | 8.7    | 10.3   | 12.0   | 13.6   | 14.1   | 14.6   | 15.1   | 15.6   |
| 92.5°  | 10.0   | 9.6    | 10.2   | 11.3   | 12.4   | 13.6   | 14.7   | 15.6   | 16.5   | 17.4   | 18.3   |
| 95°    | 13.9   | 11.3   | 12.0   | 13.4   | 14.8   | 16.2   | 17.6   | 18.5   | 19.3   | 20.2   | 21.1   |
| 97.5°  | 48.8   | 47.0   | 43.8   | 37.4   | 30.9   | 24.5   | 18.1   | 19.1   | 20.1   | 21.2   | 22.2   |
| 100°   | 105.8  | 107.1  | 97.3   | 77.6   | 58.0   | 38.3   | 18.7   | 19.7   | 20.7   | 21.7   | 22.7   |
| 102.5° | 139.7  | 140.5  | 129.5  | 107.6  | 85.7   | 63.8   | 41.9   | 37.7   | 33.6   | 29.4   | 25.3   |
| 105°   | 174.4  | 175.1  | 169.4  | 158.1  | 146.8  | 135.4  | 124.1  | 101.8  | 79.5   | 57.2   | 34.9   |
| 107.5° | 211.4  | 212.0  | 212.9  | 214.8  | 216.7  | 218.6  | 220.5  | 201.1  | 181.7  | 162.3  | 142.9  |
| 110°   | 248.9  | 249.4  | 250.1  | 251.5  | 252.8  | 254.2  | 255.6  | 251.4  | 247.3  | 243.1  | 239.0  |

TEST NUMBER: P1010439

CATALOG NUMBER: S123DIP-B1000D585UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 284.7 | 285.1  | 285.8 | 287.2 | 288.5 | 289.9 | 291.3 | 292.4 | 293.6 | 294.7 | 295.8 |
| 115°   | 319.8 | 320.2  | 320.8 | 321.9 | 323.0 | 324.2 | 325.3 | 326.6 | 327.8 | 329.1 | 330.4 |
| 117.5° | 355.5 | 355.9  | 356.2 | 356.8 | 357.5 | 358.1 | 358.7 | 359.7 | 360.7 | 361.8 | 362.8 |
| 120°   | 388.7 | 389.3  | 389.5 | 389.9 | 390.2 | 390.6 | 391.0 | 392.0 | 393.0 | 394.1 | 395.1 |
| 122.5° | 420.7 | 421.1  | 421.3 | 421.8 | 422.3 | 422.8 | 423.3 | 423.9 | 424.6 | 425.2 | 425.9 |
| 125°   | 450.6 | 451.1  | 451.4 | 451.9 | 452.4 | 452.9 | 453.4 | 453.6 | 453.9 | 454.1 | 454.4 |
| 127.5° | 480.1 | 480.6  | 480.9 | 481.5 | 482.2 | 482.8 | 483.4 | 483.8 | 484.2 | 484.5 | 484.9 |
| 130°   | 507.3 | 507.8  | 508.0 | 508.5 | 509.0 | 509.5 | 510.0 | 510.5 | 511.0 | 511.5 | 512.0 |
| 132.5° | 533.4 | 533.9  | 534.1 | 534.5 | 534.8 | 535.2 | 535.6 | 536.1 | 536.6 | 537.1 | 537.6 |
| 135°   | 559.0 | 559.4  | 559.6 | 560.1 | 560.6 | 561.1 | 561.6 | 562.0 | 562.4 | 562.7 | 563.1 |
| 137.5° | 582.7 | 583.2  | 583.3 | 583.6 | 583.8 | 584.1 | 584.3 | 584.9 | 585.5 | 586.2 | 586.8 |
| 140°   | 604.3 | 604.7  | 604.9 | 605.3 | 605.6 | 606.0 | 606.4 | 606.9 | 607.4 | 607.9 | 608.4 |
| 142.5° | 625.3 | 625.7  | 625.9 | 626.3 | 626.6 | 627.0 | 627.4 | 627.8 | 628.2 | 628.5 | 628.9 |
| 145°   | 645.1 | 645.5  | 645.6 | 645.9 | 646.1 | 646.4 | 646.6 | 646.9 | 647.1 | 647.4 | 647.7 |
| 147.5° | 662.8 | 663.1  | 663.2 | 663.5 | 663.7 | 664.0 | 664.2 | 664.4 | 664.7 | 664.9 | 665.2 |
| 150°   | 678.7 | 678.9  | 679.0 | 679.3 | 679.6 | 679.8 | 680.1 | 680.3 | 680.6 | 680.8 | 681.1 |
| 152.5° | 693.0 | 693.1  | 693.2 | 693.3 | 693.4 | 693.6 | 693.7 | 694.2 | 694.7 | 695.2 | 695.7 |
| 155°   | 705.7 | 705.6  | 705.7 | 705.8 | 705.9 | 706.0 | 706.1 | 706.7 | 707.4 | 708.0 | 708.7 |
| 157.5° | 718.0 | 718.0  | 717.9 | 717.8 | 717.7 | 717.6 | 717.5 | 718.3 | 719.0 | 719.8 | 720.5 |
| 160°   | 727.8 | 727.7  | 727.6 | 727.5 | 727.4 | 727.2 | 727.1 | 727.9 | 728.6 | 729.4 | 730.1 |
| 162.5° | 736.4 | 736.2  | 736.1 | 736.0 | 735.9 | 735.7 | 735.6 | 736.5 | 737.4 | 738.3 | 739.2 |
| 165°   | 743.7 | 743.5  | 743.4 | 743.3 | 743.2 | 743.1 | 743.0 | 744.0 | 745.0 | 746.0 | 747.0 |
| 167.5° | 749.5 | 749.2  | 749.2 | 749.2 | 749.2 | 749.2 | 749.2 | 750.2 | 751.2 | 752.2 | 753.2 |
| 170°   | 754.6 | 754.3  | 754.3 | 754.3 | 754.3 | 754.3 | 754.3 | 755.3 | 756.3 | 757.3 | 758.3 |
| 172.5° | 757.4 | 757.1  | 757.2 | 757.3 | 757.4 | 757.6 | 757.7 | 758.7 | 759.7 | 760.7 | 761.7 |
| 175°   | 760.3 | 760.0  | 760.1 | 760.2 | 760.3 | 760.4 | 760.5 | 761.4 | 762.3 | 763.2 | 764.1 |
| 177.5° | 761.4 | 761.1  | 761.2 | 761.3 | 761.4 | 761.6 | 761.7 | 762.7 | 763.7 | 764.7 | 765.7 |
| 180°   | 762.8 | 762.8  | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 |

TEST NUMBER: P1010439

CATALOG NUMBER: S123DIP-B1000D585UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 |
| 2.5°   | 1313.2 | 1314.5 | 1309.2 | 1305.1 | 1315.9 | 1309.2 | 1309.2 | 1310.5 | 1307.8 | 1311.9 | 1310.5 |
| 5°     | 1239.4 | 1240.8 | 1231.4 | 1234.1 | 1228.7 | 1227.3 | 1226.0 | 1234.1 | 1232.7 | 1231.4 | 1234.1 |
| 7.5°   | 1167.0 | 1167.0 | 1163.0 | 1160.3 | 1160.3 | 1156.3 | 1161.6 | 1160.3 | 1163.0 | 1163.0 | 1167.0 |
| 10°    | 1106.6 | 1109.3 | 1102.6 | 1095.9 | 1094.6 | 1095.9 | 1095.9 | 1097.2 | 1098.6 | 1108.0 | 1106.6 |
| 12.5°  | 1057.0 | 1053.0 | 1051.6 | 1047.6 | 1040.9 | 1038.2 | 1035.5 | 1050.3 | 1046.3 | 1046.3 | 1046.3 |
| 15°    | 1002.0 | 1011.4 | 1010.0 | 998.0  | 995.3  | 1000.7 | 998.0  | 998.0  | 1011.4 | 1010.0 | 1008.7 |
| 17.5°  | 972.5  | 969.8  | 967.1  | 960.4  | 961.8  | 960.4  | 961.8  | 961.8  | 969.8  | 969.8  | 969.8  |
| 20°    | 939.0  | 933.6  | 933.6  | 930.9  | 930.9  | 926.9  | 932.2  | 933.6  | 939.0  | 939.0  | 940.3  |
| 22.5°  | 909.4  | 905.4  | 905.4  | 904.1  | 906.8  | 901.4  | 906.8  | 908.1  | 908.1  | 912.1  | 912.1  |
| 25°    | 884.0  | 881.3  | 881.3  | 884.0  | 884.0  | 884.0  | 884.0  | 889.3  | 885.3  | 886.6  | 885.3  |
| 27.5°  | 861.2  | 862.5  | 863.8  | 865.2  | 863.8  | 865.2  | 866.5  | 869.2  | 870.5  | 869.2  | 866.5  |
| 30°    | 839.7  | 843.7  | 845.1  | 845.1  | 847.7  | 849.1  | 850.4  | 850.4  | 851.8  | 847.7  | 850.4  |
| 32.5°  | 823.6  | 823.6  | 826.3  | 827.6  | 830.3  | 831.6  | 831.6  | 834.3  | 833.0  | 829.0  | 830.3  |
| 35°    | 800.8  | 800.8  | 806.2  | 808.8  | 812.9  | 811.5  | 812.9  | 812.9  | 814.2  | 811.5  | 807.5  |
| 37.5°  | 778.0  | 780.7  | 780.7  | 786.0  | 787.4  | 788.7  | 787.4  | 790.1  | 788.7  | 786.0  | 784.7  |
| 40°    | 751.2  | 749.8  | 751.2  | 755.2  | 756.5  | 756.5  | 756.5  | 759.2  | 759.2  | 759.2  | 757.9  |
| 42.5°  | 717.6  | 721.7  | 720.3  | 724.3  | 723.0  | 723.0  | 725.7  | 728.4  | 729.7  | 725.7  | 727.0  |
| 45°    | 685.4  | 685.4  | 688.1  | 688.1  | 689.5  | 689.5  | 694.8  | 692.1  | 694.8  | 692.1  | 693.5  |
| 47.5°  | 650.6  | 651.9  | 651.9  | 653.2  | 655.9  | 658.6  | 655.9  | 657.3  | 657.3  | 658.6  | 655.9  |
| 50°    | 611.7  | 611.7  | 614.3  | 618.4  | 623.7  | 621.1  | 619.7  | 625.1  | 621.1  | 621.1  | 618.4  |
| 52.5°  | 571.4  | 575.4  | 576.8  | 580.8  | 584.8  | 586.2  | 587.5  | 584.8  | 586.2  | 582.2  | 583.5  |
| 55°    | 532.5  | 533.9  | 539.2  | 543.3  | 547.3  | 547.3  | 545.9  | 547.3  | 548.6  | 543.3  | 543.3  |
| 57.5°  | 493.6  | 497.6  | 503.0  | 503.0  | 508.4  | 508.4  | 507.0  | 507.0  | 508.4  | 504.4  | 503.0  |
| 60°    | 452.0  | 456.1  | 462.8  | 462.8  | 470.8  | 472.2  | 469.5  | 466.8  | 466.8  | 462.8  | 464.1  |
| 62.5°  | 407.8  | 411.8  | 415.8  | 422.5  | 427.9  | 425.2  | 430.6  | 425.2  | 426.6  | 418.5  | 418.5  |
| 65°    | 368.9  | 370.2  | 376.9  | 383.6  | 383.6  | 386.3  | 383.6  | 385.0  | 380.9  | 380.9  | 375.6  |
| 67.5°  | 323.3  | 323.3  | 330.0  | 336.7  | 343.4  | 343.4  | 343.4  | 339.4  | 339.4  | 335.3  | 335.3  |
| 70°    | 283.0  | 281.7  | 288.4  | 292.4  | 296.4  | 297.8  | 295.1  | 293.8  | 291.1  | 287.1  | 285.7  |
| 72.5°  | 233.4  | 236.1  | 242.8  | 245.5  | 252.2  | 250.8  | 257.5  | 249.5  | 249.5  | 242.8  | 241.4  |
| 75°    | 189.1  | 191.8  | 198.5  | 202.5  | 206.6  | 206.6  | 210.6  | 206.6  | 201.2  | 198.5  | 197.2  |
| 77.5°  | 150.2  | 148.9  | 154.3  | 161.0  | 162.3  | 161.0  | 163.6  | 162.3  | 156.9  | 156.9  | 154.3  |
| 80°    | 107.3  | 111.3  | 116.7  | 115.4  | 120.7  | 119.4  | 119.4  | 116.7  | 116.7  | 112.7  | 115.4  |
| 82.5°  | 71.1   | 75.1   | 76.5   | 75.1   | 76.5   | 79.1   | 80.5   | 79.1   | 79.1   | 76.5   | 77.8   |
| 85°    | 37.6   | 37.6   | 40.2   | 41.6   | 40.2   | 40.2   | 41.6   | 45.6   | 42.9   | 40.2   | 42.9   |
| 87.5°  | 12.1   | 10.7   | 10.7   | 12.1   | 10.7   | 10.7   | 12.1   | 12.1   | 13.4   | 13.4   | 13.4   |
| 90°    | 15.9   | 16.0   | 16.3   | 16.5   | 16.8   | 17.0   | 16.8   | 16.5   | 16.3   | 16.0   | 15.9   |
| 92.5°  | 18.7   | 18.8   | 18.9   | 19.0   | 19.2   | 19.3   | 19.2   | 19.0   | 18.9   | 18.8   | 18.7   |
| 95°    | 21.5   | 21.5   | 21.5   | 21.5   | 21.5   | 21.5   | 21.5   | 21.5   | 21.5   | 21.5   | 21.5   |
| 97.5°  | 22.7   | 22.8   | 22.9   | 23.0   | 23.1   | 23.2   | 23.1   | 23.0   | 22.9   | 22.8   | 22.7   |
| 100°   | 23.2   | 23.3   | 23.4   | 23.5   | 23.7   | 23.8   | 23.7   | 23.5   | 23.4   | 23.3   | 23.2   |
| 102.5° | 23.2   | 23.3   | 23.6   | 23.9   | 24.1   | 24.4   | 24.1   | 23.9   | 23.6   | 23.3   | 23.2   |
| 105°   | 23.8   | 23.9   | 24.2   | 24.4   | 24.7   | 24.9   | 24.7   | 24.4   | 24.2   | 23.9   | 23.8   |
| 107.5° | 133.2  | 124.9  | 108.4  | 91.9   | 75.4   | 58.9   | 75.4   | 91.9   | 108.4  | 124.9  | 133.2  |
| 110°   | 236.9  | 227.9  | 209.9  | 191.8  | 173.8  | 155.8  | 173.8  | 191.8  | 209.9  | 227.9  | 236.9  |

TEST NUMBER: P1010439

CATALOG NUMBER: S123DIP-B1000D585UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 296.4  | 296.3 | 296.0 | 295.8 | 295.5 | 295.3 | 295.5 | 295.8 | 296.0 | 296.3 | 296.4  |
| 115°   | 331.0  | 331.2 | 331.7 | 332.2 | 332.7 | 333.2 | 332.7 | 332.2 | 331.7 | 331.2 | 331.0  |
| 117.5° | 363.3  | 363.4 | 363.5 | 363.6 | 363.7 | 363.8 | 363.7 | 363.6 | 363.5 | 363.4 | 363.3  |
| 120°   | 395.6  | 395.6 | 395.6 | 395.6 | 395.6 | 395.6 | 395.6 | 395.6 | 395.6 | 395.6 | 395.6  |
| 122.5° | 426.2  | 426.3 | 426.4 | 426.5 | 426.6 | 426.7 | 426.6 | 426.5 | 426.4 | 426.3 | 426.2  |
| 125°   | 454.5  | 454.6 | 454.9 | 455.1 | 455.4 | 455.6 | 455.4 | 455.1 | 454.9 | 454.6 | 454.5  |
| 127.5° | 485.1  | 485.0 | 484.7 | 484.5 | 484.2 | 484.0 | 484.2 | 484.5 | 484.7 | 485.0 | 485.1  |
| 130°   | 512.3  | 512.2 | 511.9 | 511.7 | 511.4 | 511.2 | 511.4 | 511.7 | 511.9 | 512.2 | 512.3  |
| 132.5° | 537.8  | 537.6 | 537.2 | 536.9 | 536.5 | 536.1 | 536.5 | 536.9 | 537.2 | 537.6 | 537.8  |
| 135°   | 563.3  | 563.1 | 562.7 | 562.4 | 562.0 | 561.6 | 562.0 | 562.4 | 562.7 | 563.1 | 563.3  |
| 137.5° | 587.1  | 587.0 | 586.7 | 586.5 | 586.2 | 586.0 | 586.2 | 586.5 | 586.7 | 587.0 | 587.1  |
| 140°   | 608.7  | 608.6 | 608.3 | 608.0 | 607.8 | 607.5 | 607.8 | 608.0 | 608.3 | 608.6 | 608.7  |
| 142.5° | 629.1  | 628.9 | 628.5 | 628.2 | 627.8 | 627.4 | 627.8 | 628.2 | 628.5 | 628.9 | 629.1  |
| 145°   | 647.8  | 647.8 | 647.8 | 647.8 | 647.8 | 647.8 | 647.8 | 647.8 | 647.8 | 647.8 | 647.8  |
| 147.5° | 665.3  | 665.0 | 664.4 | 663.7 | 663.1 | 662.5 | 663.1 | 663.7 | 664.4 | 665.0 | 665.3  |
| 150°   | 681.2  | 681.0 | 680.6 | 680.3 | 679.9 | 679.5 | 679.9 | 680.3 | 680.6 | 681.0 | 681.2  |
| 152.5° | 695.9  | 695.6 | 695.0 | 694.3 | 693.7 | 693.1 | 693.7 | 694.3 | 695.0 | 695.6 | 695.9  |
| 155°   | 709.0  | 708.6 | 707.9 | 707.1 | 706.4 | 705.6 | 706.4 | 707.1 | 707.9 | 708.6 | 709.0  |
| 157.5° | 720.9  | 720.4 | 719.4 | 718.3 | 717.3 | 716.3 | 717.3 | 718.3 | 719.4 | 720.4 | 720.9  |
| 160°   | 730.5  | 730.1 | 729.2 | 728.3 | 727.4 | 726.5 | 727.4 | 728.3 | 729.2 | 730.1 | 730.5  |
| 162.5° | 739.6  | 739.2 | 738.5 | 737.7 | 737.0 | 736.2 | 737.0 | 737.7 | 738.5 | 739.2 | 739.6  |
| 165°   | 747.5  | 747.1 | 746.2 | 745.3 | 744.4 | 743.5 | 744.4 | 745.3 | 746.2 | 747.1 | 747.5  |
| 167.5° | 753.7  | 753.2 | 752.2 | 751.2 | 750.2 | 749.2 | 750.2 | 751.2 | 752.2 | 753.2 | 753.7  |
| 170°   | 758.8  | 758.3 | 757.3 | 756.3 | 755.3 | 754.3 | 755.3 | 756.3 | 757.3 | 758.3 | 758.8  |
| 172.5° | 762.2  | 761.6 | 760.5 | 759.4 | 758.2 | 757.1 | 758.2 | 759.4 | 760.5 | 761.6 | 762.2  |
| 175°   | 764.5  | 764.0 | 763.0 | 762.0 | 761.0 | 760.0 | 761.0 | 762.0 | 763.0 | 764.0 | 764.5  |
| 177.5° | 766.2  | 765.6 | 764.3 | 763.0 | 761.8 | 760.5 | 761.8 | 763.0 | 764.3 | 765.6 | 766.2  |
| 180°   | 762.8  | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8  |

TEST NUMBER: P1010439

CATALOG NUMBER: S123DIP-B1000D585UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 | 1384.3 |
| 2.5°   | 1314.5 | 1317.2 | 1318.6 | 1313.2 | 1309.2 | 1315.9 | 1325.3 | 1332.0 | 1337.3 | 1344.0 | 1348.1 |
| 5°     | 1236.7 | 1246.1 | 1246.1 | 1248.8 | 1252.8 | 1259.5 | 1277.0 | 1289.1 | 1299.8 | 1307.8 | 1314.5 |
| 7.5°   | 1171.0 | 1177.7 | 1181.7 | 1188.4 | 1195.2 | 1204.5 | 1224.7 | 1242.1 | 1258.2 | 1267.6 | 1278.3 |
| 10°    | 1112.0 | 1117.4 | 1124.1 | 1128.1 | 1140.2 | 1153.6 | 1179.1 | 1193.8 | 1212.6 | 1227.3 | 1240.8 |
| 12.5°  | 1055.7 | 1074.4 | 1078.5 | 1077.1 | 1087.8 | 1102.6 | 1128.1 | 1150.9 | 1171.0 | 1185.8 | 1200.5 |
| 15°    | 1015.4 | 1022.1 | 1030.2 | 1028.8 | 1051.6 | 1055.7 | 1077.1 | 1103.9 | 1130.8 | 1140.2 | 1153.6 |
| 17.5°  | 971.1  | 981.9  | 989.9  | 994.0  | 1000.7 | 1015.4 | 1035.5 | 1055.7 | 1090.5 | 1091.9 | 1126.7 |
| 20°    | 936.3  | 947.0  | 952.4  | 957.7  | 961.8  | 979.2  | 996.6  | 1019.4 | 1047.6 | 1062.4 | 1081.1 |
| 22.5°  | 913.5  | 918.8  | 922.9  | 926.9  | 932.2  | 941.6  | 963.1  | 988.6  | 1007.4 | 1023.5 | 1035.5 |
| 25°    | 886.6  | 892.0  | 897.4  | 900.1  | 904.1  | 909.4  | 925.5  | 945.7  | 972.5  | 983.2  | 995.3  |
| 27.5°  | 867.9  | 867.9  | 870.5  | 870.5  | 875.9  | 881.3  | 893.3  | 912.1  | 933.6  | 947.0  | 963.1  |
| 30°    | 847.7  | 846.4  | 847.7  | 846.4  | 845.1  | 853.1  | 863.8  | 879.9  | 894.7  | 910.8  | 921.5  |
| 32.5°  | 827.6  | 826.3  | 826.3  | 827.6  | 822.3  | 826.3  | 831.6  | 846.4  | 862.5  | 870.5  | 882.6  |
| 35°    | 806.2  | 803.5  | 803.5  | 803.5  | 800.8  | 798.1  | 803.5  | 816.9  | 827.6  | 838.4  | 847.7  |
| 37.5°  | 784.7  | 780.7  | 780.7  | 778.0  | 775.3  | 771.3  | 771.3  | 782.0  | 796.8  | 800.8  | 812.9  |
| 40°    | 755.2  | 755.2  | 752.5  | 751.2  | 748.5  | 745.8  | 741.8  | 751.2  | 764.6  | 768.6  | 778.0  |
| 42.5°  | 725.7  | 721.7  | 720.3  | 720.3  | 720.3  | 716.3  | 713.6  | 720.3  | 728.4  | 735.1  | 740.4  |
| 45°    | 692.1  | 689.5  | 690.8  | 689.5  | 686.8  | 685.4  | 684.1  | 686.8  | 696.2  | 698.9  | 705.6  |
| 47.5°  | 655.9  | 654.6  | 654.6  | 653.2  | 651.9  | 653.2  | 647.9  | 654.6  | 657.3  | 660.0  | 665.3  |
| 50°    | 618.4  | 617.0  | 615.7  | 614.3  | 614.3  | 615.7  | 614.3  | 614.3  | 619.7  | 622.4  | 627.8  |
| 52.5°  | 580.8  | 576.8  | 576.8  | 575.4  | 575.4  | 572.8  | 575.4  | 576.8  | 579.5  | 582.2  | 584.8  |
| 55°    | 540.6  | 540.6  | 536.5  | 536.5  | 533.9  | 533.9  | 535.2  | 533.9  | 539.2  | 541.9  | 541.9  |
| 57.5°  | 501.7  | 496.3  | 497.6  | 495.0  | 492.3  | 490.9  | 490.9  | 493.6  | 496.3  | 496.3  | 499.0  |
| 60°    | 460.1  | 454.7  | 453.4  | 448.0  | 450.7  | 446.7  | 448.0  | 448.0  | 453.4  | 450.7  | 453.4  |
| 62.5°  | 418.5  | 411.8  | 407.8  | 405.1  | 405.1  | 406.4  | 403.8  | 402.4  | 405.1  | 407.8  | 413.1  |
| 65°    | 374.2  | 370.2  | 366.2  | 362.2  | 362.2  | 360.8  | 363.5  | 359.5  | 358.1  | 359.5  | 362.2  |
| 67.5°  | 328.6  | 324.6  | 320.6  | 316.6  | 317.9  | 313.9  | 311.2  | 315.2  | 312.5  | 313.9  | 316.6  |
| 70°    | 284.4  | 281.7  | 273.6  | 271.0  | 269.6  | 271.0  | 269.6  | 266.9  | 271.0  | 269.6  | 271.0  |
| 72.5°  | 240.1  | 237.4  | 233.4  | 226.7  | 226.7  | 225.3  | 224.0  | 224.0  | 222.7  | 222.7  | 222.7  |
| 75°    | 197.2  | 191.8  | 187.8  | 186.4  | 183.8  | 182.4  | 181.1  | 178.4  | 179.7  | 181.1  | 178.4  |
| 77.5°  | 152.9  | 146.2  | 144.9  | 144.9  | 140.8  | 140.8  | 142.2  | 140.8  | 139.5  | 139.5  | 139.5  |
| 80°    | 112.7  | 107.3  | 107.3  | 104.6  | 101.9  | 101.9  | 101.9  | 101.9  | 100.6  | 99.3   | 100.6  |
| 82.5°  | 72.4   | 71.1   | 69.8   | 69.8   | 72.4   | 67.1   | 69.8   | 68.4   | 67.1   | 67.1   | 65.7   |
| 85°    | 40.2   | 41.6   | 40.2   | 41.6   | 38.9   | 40.2   | 40.2   | 40.2   | 38.9   | 40.2   | 37.6   |
| 87.5°  | 14.8   | 14.8   | 14.8   | 16.1   | 16.1   | 16.1   | 16.1   | 16.1   | 17.4   | 16.1   | 16.1   |
| 90°    | 15.6   | 15.1   | 14.6   | 14.1   | 13.6   | 12.0   | 10.3   | 8.7    | 7.0    | 6.2    | 5.6    |
| 92.5°  | 18.3   | 17.4   | 16.5   | 15.6   | 14.7   | 13.6   | 12.4   | 11.3   | 10.2   | 9.6    | 10.0   |
| 95°    | 21.1   | 20.2   | 19.3   | 18.5   | 17.6   | 16.2   | 14.8   | 13.4   | 12.0   | 11.3   | 13.9   |
| 97.5°  | 22.2   | 21.2   | 20.1   | 19.1   | 18.1   | 24.5   | 30.9   | 37.4   | 43.8   | 47.0   | 48.8   |
| 100°   | 22.7   | 21.7   | 20.7   | 19.7   | 18.7   | 38.3   | 58.0   | 77.6   | 97.3   | 107.1  | 105.8  |
| 102.5° | 25.3   | 29.4   | 33.6   | 37.7   | 41.9   | 63.8   | 85.7   | 107.6  | 129.5  | 140.5  | 139.7  |
| 105°   | 34.9   | 57.2   | 79.5   | 101.8  | 124.1  | 135.4  | 146.8  | 158.1  | 169.4  | 175.1  | 174.4  |
| 107.5° | 142.9  | 162.3  | 181.7  | 201.1  | 220.5  | 218.6  | 216.7  | 214.8  | 212.9  | 212.0  | 211.4  |
| 110°   | 239.0  | 243.1  | 247.3  | 251.4  | 255.6  | 254.2  | 252.8  | 251.5  | 250.1  | 249.4  | 248.9  |

TEST NUMBER: P1010439

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**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 295.8 | 294.7 | 293.6 | 292.4 | 291.3 | 289.9 | 288.5 | 287.2 | 285.8 | 285.1  | 284.7 |
| 115°   | 330.4 | 329.1 | 327.8 | 326.6 | 325.3 | 324.2 | 323.0 | 321.9 | 320.8 | 320.2  | 319.8 |
| 117.5° | 362.8 | 361.8 | 360.7 | 359.7 | 358.7 | 358.1 | 357.5 | 356.8 | 356.2 | 355.9  | 355.5 |
| 120°   | 395.1 | 394.1 | 393.0 | 392.0 | 391.0 | 390.6 | 390.2 | 389.9 | 389.5 | 389.3  | 388.7 |
| 122.5° | 425.9 | 425.2 | 424.6 | 423.9 | 423.3 | 422.8 | 422.3 | 421.8 | 421.3 | 421.1  | 420.7 |
| 125°   | 454.4 | 454.1 | 453.9 | 453.6 | 453.4 | 452.9 | 452.4 | 451.9 | 451.4 | 451.1  | 450.6 |
| 127.5° | 484.9 | 484.5 | 484.2 | 483.8 | 483.4 | 482.8 | 482.2 | 481.5 | 480.9 | 480.6  | 480.1 |
| 130°   | 512.0 | 511.5 | 511.0 | 510.5 | 510.0 | 509.5 | 509.0 | 508.5 | 508.0 | 507.8  | 507.3 |
| 132.5° | 537.6 | 537.1 | 536.6 | 536.1 | 535.6 | 535.2 | 534.8 | 534.5 | 534.1 | 533.9  | 533.4 |
| 135°   | 563.1 | 562.7 | 562.4 | 562.0 | 561.6 | 561.1 | 560.6 | 560.1 | 559.6 | 559.4  | 559.0 |
| 137.5° | 586.8 | 586.2 | 585.5 | 584.9 | 584.3 | 584.1 | 583.8 | 583.6 | 583.3 | 583.2  | 582.7 |
| 140°   | 608.4 | 607.9 | 607.4 | 606.9 | 606.4 | 606.0 | 605.6 | 605.3 | 604.9 | 604.7  | 604.3 |
| 142.5° | 628.9 | 628.5 | 628.2 | 627.8 | 627.4 | 627.0 | 626.6 | 626.3 | 625.9 | 625.7  | 625.3 |
| 145°   | 647.7 | 647.4 | 647.1 | 646.9 | 646.6 | 646.4 | 646.1 | 645.9 | 645.6 | 645.5  | 645.1 |
| 147.5° | 665.2 | 664.9 | 664.7 | 664.4 | 664.2 | 664.0 | 663.7 | 663.5 | 663.2 | 663.1  | 662.8 |
| 150°   | 681.1 | 680.8 | 680.6 | 680.3 | 680.1 | 679.8 | 679.6 | 679.3 | 679.0 | 678.9  | 678.7 |
| 152.5° | 695.7 | 695.2 | 694.7 | 694.2 | 693.7 | 693.6 | 693.4 | 693.3 | 693.2 | 693.1  | 693.0 |
| 155°   | 708.7 | 708.0 | 707.4 | 706.7 | 706.1 | 706.0 | 705.9 | 705.8 | 705.7 | 705.6  | 705.7 |
| 157.5° | 720.5 | 719.8 | 719.0 | 718.3 | 717.5 | 717.6 | 717.7 | 717.8 | 717.9 | 718.0  | 718.0 |
| 160°   | 730.1 | 729.4 | 728.6 | 727.9 | 727.1 | 727.2 | 727.4 | 727.5 | 727.6 | 727.7  | 727.8 |
| 162.5° | 739.2 | 738.3 | 737.4 | 736.5 | 735.6 | 735.7 | 735.9 | 736.0 | 736.1 | 736.2  | 736.4 |
| 165°   | 747.0 | 746.0 | 745.0 | 744.0 | 743.0 | 743.1 | 743.2 | 743.3 | 743.4 | 743.5  | 743.7 |
| 167.5° | 753.2 | 752.2 | 751.2 | 750.2 | 749.2 | 749.2 | 749.2 | 749.2 | 749.2 | 749.2  | 749.5 |
| 170°   | 758.3 | 757.3 | 756.3 | 755.3 | 754.3 | 754.3 | 754.3 | 754.3 | 754.3 | 754.3  | 754.6 |
| 172.5° | 761.7 | 760.7 | 759.7 | 758.7 | 757.7 | 757.6 | 757.4 | 757.3 | 757.2 | 757.1  | 757.4 |
| 175°   | 764.1 | 763.2 | 762.3 | 761.4 | 760.5 | 760.4 | 760.3 | 760.2 | 760.1 | 760.0  | 760.3 |
| 177.5° | 765.7 | 764.7 | 763.7 | 762.7 | 761.7 | 761.6 | 761.4 | 761.3 | 761.2 | 761.1  | 761.4 |
| 180°   | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8  | 762.8 |

TEST NUMBER: P1010439

CATALOG NUMBER: S123DIP-B1000D585UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1384.3 | 1384.3 | 1384.3 | 1384.3 |
| 2.5°   | 1354.8 | 1358.8 | 1372.2 | 1388.3 |
| 5°     | 1327.9 | 1338.7 | 1357.5 | 1382.9 |
| 7.5°   | 1298.4 | 1314.5 | 1341.4 | 1373.6 |
| 10°    | 1264.9 | 1287.7 | 1321.2 | 1361.5 |
| 12.5°  | 1228.7 | 1258.2 | 1301.1 | 1342.7 |
| 15°    | 1205.9 | 1235.4 | 1274.3 | 1319.9 |
| 17.5°  | 1161.6 | 1196.5 | 1236.7 | 1301.1 |
| 20°    | 1116.0 | 1154.9 | 1207.2 | 1271.6 |
| 22.5°  | 1081.1 | 1122.7 | 1172.4 | 1240.8 |
| 25°    | 1039.6 | 1082.5 | 1136.1 | 1207.2 |
| 27.5°  | 995.3  | 1038.2 | 1098.6 | 1173.7 |
| 30°    | 961.8  | 1003.3 | 1061.0 | 1141.5 |
| 32.5°  | 921.5  | 961.8  | 1022.1 | 1106.6 |
| 35°    | 875.9  | 921.5  | 979.2  | 1065.0 |
| 37.5°  | 841.0  | 882.6  | 943.0  | 1024.8 |
| 40°    | 803.5  | 839.7  | 898.7  | 979.2  |
| 42.5°  | 763.2  | 803.5  | 854.4  | 934.9  |
| 45°    | 725.7  | 755.2  | 807.5  | 884.0  |
| 47.5°  | 685.4  | 719.0  | 759.2  | 818.2  |
| 50°    | 642.5  | 670.7  | 714.9  | 755.2  |
| 52.5°  | 600.9  | 623.7  | 661.3  | 692.1  |
| 55°    | 556.7  | 579.5  | 607.6  | 626.4  |
| 57.5°  | 515.1  | 531.2  | 550.0  | 562.0  |
| 60°    | 464.1  | 480.2  | 492.3  | 504.4  |
| 62.5°  | 418.5  | 430.6  | 437.3  | 444.0  |
| 65°    | 371.6  | 378.3  | 382.3  | 387.7  |
| 67.5°  | 320.6  | 327.3  | 328.6  | 336.7  |
| 70°    | 273.6  | 275.0  | 277.7  | 281.7  |
| 72.5°  | 229.4  | 232.1  | 230.7  | 233.4  |
| 75°    | 183.8  | 186.4  | 183.8  | 186.4  |
| 77.5°  | 139.5  | 142.2  | 142.2  | 146.2  |
| 80°    | 100.6  | 101.9  | 103.3  | 103.3  |
| 82.5°  | 65.7   | 69.8   | 67.1   | 68.4   |
| 85°    | 37.6   | 38.9   | 38.9   | 40.2   |
| 87.5°  | 17.4   | 18.8   | 17.4   | 20.1   |
| 90°    | 4.3    | 3.1    | 1.8    | 0.6    |
| 92.5°  | 10.7   | 11.5   | 12.2   | 13.0   |
| 95°    | 19.1   | 24.2   | 29.4   | 34.6   |
| 97.5°  | 52.3   | 55.8   | 59.4   | 62.9   |
| 100°   | 103.3  | 100.8  | 98.3   | 95.8   |
| 102.5° | 138.1  | 136.4  | 134.8  | 133.2  |
| 105°   | 173.0  | 171.7  | 170.3  | 168.9  |
| 107.5° | 210.3  | 209.2  | 208.0  | 206.9  |
| 110°   | 247.9  | 246.8  | 245.8  | 244.8  |

TEST NUMBER: P1010439

CATALOG NUMBER: S123DIP-B1000D585UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 283.8 | 282.9 | 282.0 | 281.1 |
| 115°   | 319.1 | 318.3 | 317.6 | 316.8 |
| 117.5° | 354.6 | 353.7 | 352.8 | 351.9 |
| 120°   | 387.6 | 386.5 | 385.3 | 384.2 |
| 122.5° | 419.8 | 418.9 | 418.0 | 417.1 |
| 125°   | 449.6 | 448.6 | 447.6 | 446.6 |
| 127.5° | 479.1 | 478.0 | 477.0 | 476.0 |
| 130°   | 506.3 | 505.2 | 504.2 | 503.2 |
| 132.5° | 532.4 | 531.3 | 530.3 | 529.3 |
| 135°   | 558.3 | 557.5 | 556.8 | 556.0 |
| 137.5° | 581.7 | 580.6 | 579.6 | 578.6 |
| 140°   | 603.6 | 602.8 | 602.1 | 601.3 |
| 142.5° | 624.6 | 623.8 | 623.1 | 622.3 |
| 145°   | 644.2 | 643.3 | 642.4 | 641.5 |
| 147.5° | 662.1 | 661.5 | 660.8 | 660.2 |
| 150°   | 678.3 | 678.0 | 677.6 | 677.2 |
| 152.5° | 692.9 | 692.8 | 692.6 | 692.5 |
| 155°   | 706.0 | 706.2 | 706.5 | 706.7 |
| 157.5° | 718.0 | 718.0 | 718.0 | 718.0 |
| 160°   | 727.9 | 728.0 | 728.1 | 728.2 |
| 162.5° | 736.8 | 737.1 | 737.5 | 737.9 |
| 165°   | 744.1 | 744.4 | 744.8 | 745.2 |
| 167.5° | 750.0 | 750.5 | 751.0 | 751.5 |
| 170°   | 755.1 | 755.6 | 756.1 | 756.6 |
| 172.5° | 758.1 | 758.7 | 759.4 | 760.0 |
| 175°   | 760.9 | 761.6 | 762.2 | 762.8 |
| 177.5° | 762.0 | 762.7 | 763.3 | 763.9 |
| 180°   | 762.8 | 762.8 | 762.8 | 762.8 |

(END OF REPORT)