

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: P1010791

Luminaire Tested: S123RDIP-B1000D365UB2750-4F0-XX-W2A-A\_3500K

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1010791  
REPORT IS A COMBINATION OF REPORTS P992807 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S123RDIP-B1000D365UB2750-4F0-XX-W2A-A\_3500K  
Description: Define 3 Regressed Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721}  
{m-EER=0.792}  
Light Source: -  
Ballast/Driver: -

**Summary**

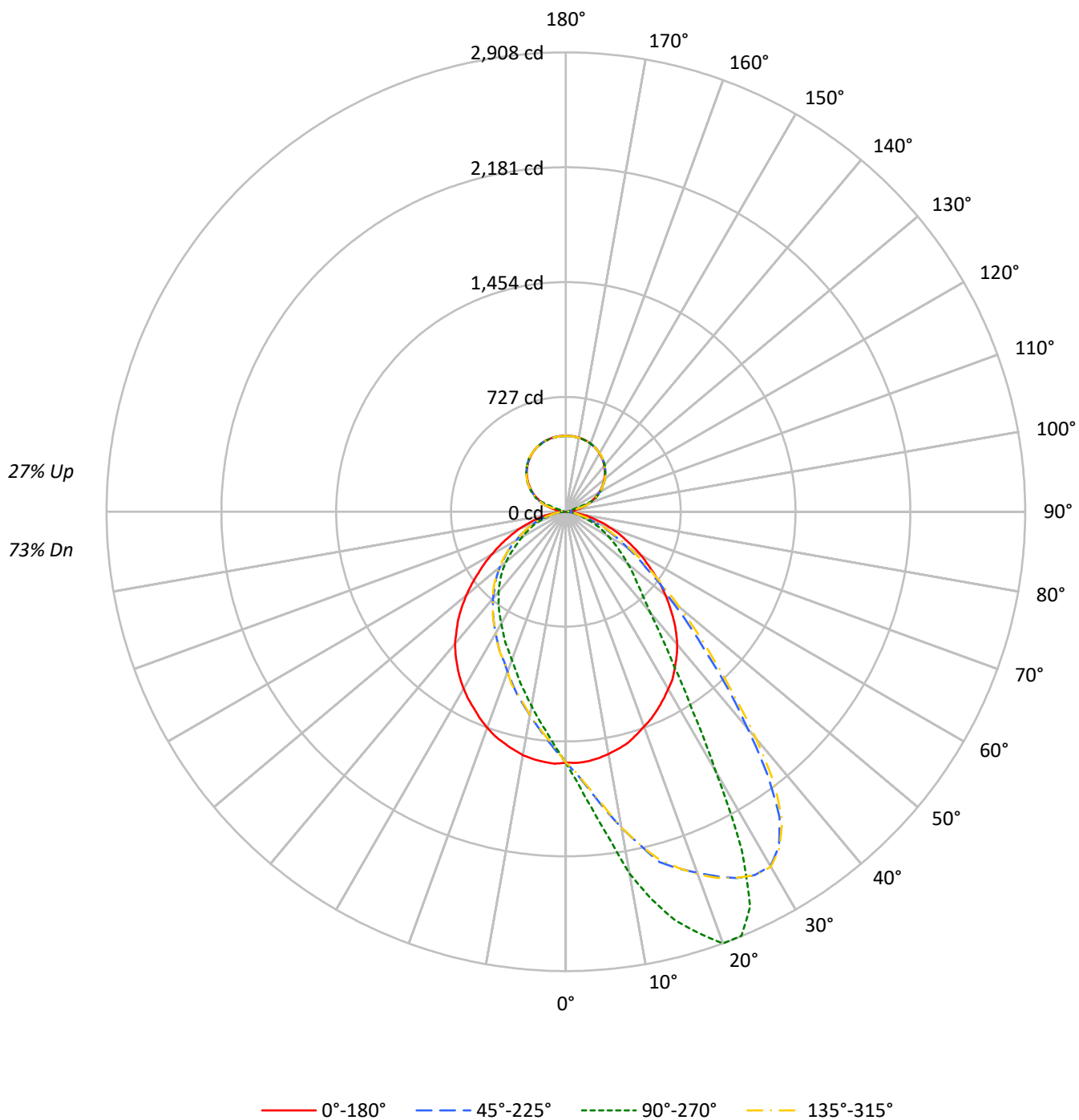
Lumens per Lamp: N/A  
Luminaire Lumens: 5418.0 lumens  
Efficiency: N/A  
Efficacy: 96.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 56.1  
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: P1010791

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### Luminous Intensity Polar Plot



TEST NUMBER: P1010791

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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   | 113 | 113 | 113 | 113 | 107 | 107 | 107 | 107 | 96 | 96 | 96 | 86 | 86 | 86 | 77 | 77 | 77 | 77 | 77 | 77 |
| 1   | 104 | 100 | 96  | 93  | 98  | 95  | 92  | 89  | 86 | 83 | 81 | 77 | 75 | 74 | 70 | 68 | 67 | 67 | 67 | 67 |
| 2   | 95  | 88  | 82  | 77  | 90  | 84  | 79  | 74  | 76 | 72 | 68 | 69 | 66 | 63 | 62 | 60 | 58 | 58 | 58 | 58 |
| 3   | 87  | 78  | 71  | 65  | 83  | 75  | 68  | 63  | 68 | 63 | 59 | 62 | 58 | 54 | 56 | 53 | 50 | 50 | 50 | 50 |
| 4   | 81  | 70  | 62  | 56  | 76  | 67  | 60  | 54  | 61 | 55 | 51 | 56 | 51 | 47 | 51 | 47 | 44 | 44 | 44 | 44 |
| 5   | 74  | 63  | 55  | 49  | 70  | 60  | 53  | 47  | 55 | 49 | 44 | 50 | 45 | 42 | 46 | 42 | 39 | 39 | 39 | 39 |
| 6   | 69  | 57  | 49  | 43  | 65  | 54  | 47  | 42  | 50 | 44 | 39 | 46 | 41 | 37 | 42 | 38 | 35 | 35 | 35 | 35 |
| 7   | 64  | 52  | 44  | 38  | 61  | 50  | 42  | 37  | 46 | 40 | 35 | 42 | 37 | 33 | 39 | 34 | 31 | 31 | 31 | 31 |
| 8   | 60  | 47  | 39  | 34  | 57  | 45  | 38  | 33  | 42 | 36 | 31 | 39 | 34 | 30 | 36 | 31 | 28 | 28 | 28 | 28 |
| 9   | 56  | 43  | 36  | 31  | 53  | 42  | 35  | 30  | 39 | 33 | 28 | 36 | 31 | 27 | 33 | 29 | 25 | 25 | 25 | 25 |
| 10  | 52  | 40  | 33  | 28  | 50  | 39  | 32  | 27  | 36 | 30 | 26 | 33 | 28 | 25 | 31 | 26 | 23 | 23 | 23 | 23 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 17083 | 17083 | 17083 | 17083 |
| 5°  | 17097 | 19676 | 17140 | 14597 |
| 10° | 16945 | 23751 | 17019 | 12750 |
| 15° | 16771 | 26957 | 16771 | 11242 |
| 20° | 16428 | 29076 | 16520 | 9973  |
| 25° | 16176 | 27625 | 16143 | 9100  |
| 30° | 15883 | 19140 | 15850 | 8246  |
| 35° | 15531 | 12288 | 15460 | 7602  |
| 40° | 15092 | 8677  | 15016 | 6962  |
| 45° | 14328 | 6945  | 14308 | 6338  |
| 50° | 13391 | 5809  | 13346 | 5609  |
| 55° | 12336 | 4788  | 12236 | 4755  |
| 60° | 11299 | 3958  | 11188 | 4044  |
| 65° | 10085 | 3167  | 10150 | 3427  |
| 70° | 8964  | 2201  | 9203  | 2771  |
| 75° | 7596  | 1632  | 7908  | 2130  |
| 80° | 6048  | 1083  | 6564  | 1597  |
| 85° | 4303  | 512   | 4697  | 993   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 22807 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 155.9  | 2.9       |
| 10°-20°   | 487.9  | 9.0       |
| 20°-30°   | 768.4  | 14.2      |
| 30°-40°   | 799.0  | 14.7      |
| 40°-50°   | 683.6  | 12.6      |
| 50°-60°   | 521.2  | 9.6       |
| 60°-70°   | 333.9  | 6.2       |
| 70°-80°   | 160.0  | 3.0       |
| 80°-90°   | 43.0   | 0.8       |
| 90°-100°  | 16.9   | 0.3       |
| 100°-110° | 81.9   | 1.5       |
| 110°-120° | 200.8  | 3.7       |
| 120°-130° | 254.9  | 4.7       |
| 130°-140° | 272.3  | 5.0       |
| 140°-150° | 254.6  | 4.7       |
| 150°-160° | 205.4  | 3.8       |
| 160°-170° | 132.5  | 2.4       |
| 170°-180° | 45.7   | 0.8       |
| 0°-30°    | 1412.2 | 26.1      |
| 0°-40°    | 2211.2 | 40.8      |
| 0°-60°    | 3416.0 | 63.1      |
| 0°-90°    | 3953.0 | 73.0      |
| 90°-120°  | 299.6  | 5.5       |
| 90°-150°  | 1081.4 | 20.0      |
| 90°-180°  | 1465.0 | 27.0      |
| 0°-180°   | 5418.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1587 | 1587 | 1587 | 1587 | 1587 |      |
| 5°   | 1586 | 1885 | 1590 | 1398 | 1586 | 150  |
| 15°  | 1515 | 2678 | 1515 | 1117 | 1515 | 426  |
| 25°  | 1378 | 2760 | 1375 | 909  | 1378 | 635  |
| 35°  | 1203 | 1197 | 1197 | 741  | 1203 | 753  |
| 45°  | 965  | 639  | 963  | 583  | 965  | 743  |
| 55°  | 681  | 401  | 675  | 398  | 681  | 610  |
| 65°  | 417  | 231  | 420  | 250  | 417  | 417  |
| 75°  | 200  | 98   | 208  | 128  | 200  | 216  |
| 85°  | 45   | 23   | 49   | 45   | 45   | 50   |
| 90°  | 0    | 11   | 0    | 11   | 0    | 4    |
| 95°  | 22   | 14   | 22   | 14   | 22   | 26   |
| 105° | 106  | 16   | 106  | 16   | 106  | 113  |
| 115° | 200  | 210  | 200  | 210  | 200  | 197  |
| 125° | 281  | 287  | 281  | 287  | 281  | 251  |
| 135° | 350  | 354  | 350  | 354  | 350  | 270  |
| 145° | 404  | 408  | 404  | 408  | 404  | 253  |
| 155° | 445  | 444  | 445  | 444  | 445  | 205  |
| 165° | 470  | 468  | 470  | 468  | 470  | 133  |
| 175° | 481  | 479  | 481  | 479  | 481  | 46   |
| 180° | 481  | 481  | 481  | 481  | 481  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 |
| 2.5°   | 1591.2 | 1602.1 | 1610.2 | 1615.6 | 1629.2 | 1637.4 | 1644.2 | 1656.4 | 1656.4 | 1659.1 | 1664.6 |
| 5°     | 1585.8 | 1608.9 | 1625.2 | 1646.9 | 1675.4 | 1689.0 | 1708.0 | 1724.4 | 1747.5 | 1759.7 | 1771.9 |
| 7.5°   | 1573.5 | 1606.1 | 1640.1 | 1672.7 | 1714.8 | 1742.0 | 1761.0 | 1803.2 | 1833.1 | 1869.8 | 1898.3 |
| 10°    | 1557.2 | 1602.1 | 1645.5 | 1695.8 | 1752.9 | 1793.7 | 1822.2 | 1877.9 | 1935.0 | 1986.6 | 2030.1 |
| 12.5°  | 1536.8 | 1591.2 | 1653.7 | 1714.8 | 1795.0 | 1835.8 | 1882.0 | 1951.3 | 2032.8 | 2098.0 | 2156.5 |
| 15°    | 1515.1 | 1577.6 | 1648.3 | 1723.0 | 1823.5 | 1880.6 | 1947.2 | 2031.5 | 2122.5 | 2216.3 | 2296.4 |
| 17.5°  | 1481.1 | 1559.9 | 1638.7 | 1747.5 | 1865.7 | 1899.6 | 1956.7 | 2072.2 | 2185.0 | 2269.2 | 2367.1 |
| 20°    | 1447.2 | 1535.5 | 1634.7 | 1732.5 | 1860.2 | 1939.1 | 1992.0 | 2114.3 | 2235.3 | 2337.2 | 2430.9 |
| 22.5°  | 1415.9 | 1508.3 | 1611.6 | 1735.2 | 1854.8 | 1933.6 | 2000.2 | 2127.9 | 2267.9 | 2382.0 | 2497.5 |
| 25°    | 1377.9 | 1478.4 | 1592.5 | 1709.4 | 1854.8 | 1914.6 | 1988.0 | 2136.1 | 2284.2 | 2416.0 | 2558.7 |
| 27.5°  | 1337.1 | 1439.0 | 1551.8 | 1671.4 | 1804.5 | 1892.9 | 1964.9 | 2123.9 | 2304.6 | 2445.9 | 2592.6 |
| 30°    | 1296.3 | 1401.0 | 1509.7 | 1617.0 | 1766.5 | 1850.7 | 1933.6 | 2108.9 | 2315.4 | 2477.1 | 2589.9 |
| 32.5°  | 1256.9 | 1345.2 | 1452.6 | 1557.2 | 1705.3 | 1797.7 | 1891.5 | 2094.0 | 2319.5 | 2455.4 | 2509.8 |
| 35°    | 1202.6 | 1295.0 | 1381.9 | 1493.4 | 1642.8 | 1733.9 | 1843.9 | 2092.6 | 2301.9 | 2386.1 | 2358.9 |
| 37.5°  | 1152.3 | 1229.7 | 1312.6 | 1411.8 | 1565.4 | 1683.6 | 1797.7 | 2057.3 | 2243.4 | 2248.9 | 2095.3 |
| 40°    | 1096.6 | 1160.4 | 1229.7 | 1334.4 | 1500.1 | 1617.0 | 1740.7 | 2002.9 | 2137.4 | 2057.3 | 1786.9 |
| 42.5°  | 1032.7 | 1089.8 | 1144.1 | 1246.0 | 1426.8 | 1557.2 | 1690.4 | 1935.0 | 1983.9 | 1799.1 | 1517.8 |
| 45°    | 964.8  | 1011.0 | 1061.2 | 1168.6 | 1349.3 | 1478.4 | 1611.6 | 1830.3 | 1780.1 | 1519.2 | 1251.5 |
| 47.5°  | 894.1  | 933.5  | 982.4  | 1080.3 | 1266.4 | 1398.2 | 1524.6 | 1680.9 | 1553.1 | 1273.2 | 1049.0 |
| 50°    | 823.5  | 854.7  | 902.3  | 1002.8 | 1182.2 | 1301.8 | 1418.6 | 1520.5 | 1341.2 | 1092.5 | 866.9  |
| 52.5°  | 754.2  | 778.6  | 827.5  | 913.1  | 1087.1 | 1201.2 | 1285.5 | 1324.9 | 1142.8 | 902.3  | 752.8  |
| 55°    | 680.8  | 708.0  | 740.6  | 827.5  | 1000.1 | 1084.3 | 1140.1 | 1138.7 | 951.2  | 765.0  | 622.3  |
| 57.5°  | 610.1  | 634.6  | 663.1  | 750.1  | 890.0  | 947.1  | 994.7  | 971.6  | 793.6  | 626.4  | 534.0  |
| 60°    | 547.6  | 561.2  | 592.4  | 665.8  | 771.8  | 820.7  | 847.9  | 808.5  | 648.2  | 528.6  | 441.6  |
| 62.5°  | 479.7  | 493.3  | 519.1  | 588.4  | 653.6  | 679.4  | 702.5  | 652.2  | 535.4  | 430.7  | 377.8  |
| 65°    | 417.2  | 434.8  | 451.1  | 506.8  | 542.2  | 573.4  | 570.7  | 528.6  | 418.5  | 350.6  | 307.1  |
| 67.5°  | 362.8  | 369.6  | 383.2  | 417.2  | 433.5  | 456.6  | 457.9  | 410.4  | 337.0  | 285.4  | 259.5  |
| 70°    | 304.4  | 311.2  | 320.7  | 337.0  | 347.9  | 353.3  | 350.6  | 308.5  | 254.1  | 222.8  | 199.7  |
| 72.5°  | 254.1  | 252.7  | 259.5  | 259.5  | 270.4  | 269.0  | 260.9  | 228.3  | 193.0  | 167.1  | 153.5  |
| 75°    | 199.7  | 201.1  | 202.5  | 199.7  | 195.7  | 190.2  | 183.4  | 159.0  | 135.9  | 123.7  | 111.4  |
| 77.5°  | 156.3  | 153.5  | 154.9  | 145.4  | 140.0  | 134.5  | 125.0  | 112.8  | 93.8   | 91.0   | 85.6   |
| 80°    | 111.4  | 110.1  | 108.7  | 104.6  | 92.4   | 87.0   | 80.2   | 73.4   | 69.3   | 66.6   | 65.2   |
| 82.5°  | 74.7   | 74.7   | 72.0   | 63.9   | 57.1   | 53.0   | 51.6   | 48.9   | 44.8   | 44.8   | 43.5   |
| 85°    | 44.8   | 43.5   | 40.8   | 32.6   | 28.5   | 28.5   | 28.5   | 28.5   | 25.8   | 25.8   | 24.5   |
| 87.5°  | 17.7   | 16.3   | 12.2   | 12.2   | 10.9   | 10.9   | 10.9   | 9.5    | 9.5    | 8.2    | 8.2    |
| 90°    | 0.4    | 1.2    | 2.0    | 2.7    | 3.5    | 3.9    | 4.4    | 5.5    | 6.5    | 7.6    | 8.6    |
| 92.5°  | 8.2    | 7.7    | 7.3    | 6.8    | 6.3    | 6.1    | 6.5    | 7.2    | 7.9    | 8.6    | 9.3    |
| 95°    | 21.8   | 18.5   | 15.3   | 12.0   | 8.7    | 7.1    | 7.5    | 8.4    | 9.3    | 10.2   | 11.1   |
| 97.5°  | 39.6   | 37.4   | 35.2   | 32.9   | 30.7   | 29.6   | 27.6   | 23.5   | 19.5   | 15.4   | 11.4   |
| 100°   | 60.3   | 61.9   | 63.5   | 65.1   | 66.7   | 67.5   | 61.3   | 48.9   | 36.6   | 24.2   | 11.8   |
| 102.5° | 83.9   | 84.9   | 85.9   | 87.0   | 88.0   | 88.5   | 81.6   | 67.8   | 54.0   | 40.2   | 26.4   |
| 105°   | 106.4  | 107.3  | 108.1  | 109.0  | 109.9  | 110.3  | 106.7  | 99.6   | 92.5   | 85.3   | 78.2   |
| 107.5° | 130.3  | 131.0  | 131.7  | 132.4  | 133.1  | 133.5  | 134.1  | 135.3  | 136.5  | 137.7  | 138.9  |
| 110°   | 154.2  | 154.8  | 155.5  | 156.1  | 156.8  | 157.1  | 157.5  | 158.4  | 159.3  | 160.1  | 161.0  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 177.1 | 177.7 | 178.2 | 178.8 | 179.3 | 179.6 | 180.0 | 180.9 | 181.8 | 182.6 | 183.5 |
| 115°   | 199.6 | 200.1 | 200.5 | 201.0 | 201.5 | 201.7 | 202.1 | 202.8 | 203.5 | 204.2 | 204.9 |
| 117.5° | 221.7 | 222.3 | 222.8 | 223.4 | 223.9 | 224.2 | 224.4 | 224.8 | 225.2 | 225.6 | 226.0 |
| 120°   | 242.1 | 242.8 | 243.5 | 244.2 | 244.9 | 245.3 | 245.4 | 245.7 | 245.9 | 246.2 | 246.4 |
| 122.5° | 262.8 | 263.4 | 263.9 | 264.5 | 265.0 | 265.3 | 265.5 | 265.8 | 266.1 | 266.4 | 266.7 |
| 125°   | 281.3 | 281.9 | 282.6 | 283.2 | 283.9 | 284.2 | 284.4 | 284.7 | 285.0 | 285.3 | 285.6 |
| 127.5° | 299.9 | 300.5 | 301.2 | 301.8 | 302.5 | 302.8 | 303.0 | 303.4 | 303.7 | 304.1 | 304.5 |
| 130°   | 317.0 | 317.6 | 318.3 | 318.9 | 319.6 | 319.9 | 320.1 | 320.4 | 320.7 | 321.0 | 321.3 |
| 132.5° | 333.5 | 334.1 | 334.7 | 335.4 | 336.0 | 336.3 | 336.4 | 336.7 | 336.9 | 337.2 | 337.4 |
| 135°   | 350.2 | 350.7 | 351.2 | 351.7 | 352.2 | 352.4 | 352.6 | 352.9 | 353.2 | 353.5 | 353.8 |
| 137.5° | 364.5 | 365.1 | 365.8 | 366.4 | 367.1 | 367.4 | 367.5 | 367.6 | 367.8 | 367.9 | 368.1 |
| 140°   | 378.8 | 379.3 | 379.8 | 380.3 | 380.8 | 381.0 | 381.1 | 381.3 | 381.6 | 381.8 | 382.0 |
| 142.5° | 392.0 | 392.5 | 393.0 | 393.5 | 394.0 | 394.2 | 394.3 | 394.5 | 394.8 | 395.0 | 395.2 |
| 145°   | 404.2 | 404.8 | 405.3 | 405.9 | 406.4 | 406.7 | 406.8 | 406.9 | 407.1 | 407.2 | 407.4 |
| 147.5° | 415.9 | 416.3 | 416.7 | 417.1 | 417.5 | 417.7 | 417.8 | 417.9 | 418.1 | 418.2 | 418.4 |
| 150°   | 426.7 | 426.9 | 427.1 | 427.4 | 427.6 | 427.7 | 427.8 | 427.9 | 428.1 | 428.2 | 428.4 |
| 152.5° | 436.3 | 436.4 | 436.4 | 436.5 | 436.6 | 436.6 | 436.6 | 436.7 | 436.8 | 436.9 | 437.0 |
| 155°   | 445.2 | 445.0 | 444.9 | 444.7 | 444.6 | 444.5 | 444.5 | 444.6 | 444.7 | 444.8 | 444.9 |
| 157.5° | 452.4 | 452.4 | 452.4 | 452.4 | 452.4 | 452.4 | 452.4 | 452.3 | 452.2 | 452.1 | 452.0 |
| 160°   | 458.8 | 458.7 | 458.6 | 458.5 | 458.4 | 458.4 | 458.4 | 458.3 | 458.2 | 458.2 | 458.1 |
| 162.5° | 464.9 | 464.7 | 464.4 | 464.2 | 463.9 | 463.8 | 463.8 | 463.7 | 463.6 | 463.5 | 463.4 |
| 165°   | 469.5 | 469.3 | 469.0 | 468.8 | 468.5 | 468.4 | 468.4 | 468.3 | 468.2 | 468.2 | 468.1 |
| 167.5° | 473.4 | 473.1 | 472.8 | 472.5 | 472.2 | 472.0 | 472.0 | 472.0 | 472.0 | 472.0 | 472.0 |
| 170°   | 476.6 | 476.3 | 476.0 | 475.7 | 475.4 | 475.2 | 475.2 | 475.2 | 475.2 | 475.2 | 475.2 |
| 172.5° | 478.8 | 478.4 | 478.0 | 477.6 | 477.2 | 477.0 | 477.0 | 477.1 | 477.2 | 477.3 | 477.4 |
| 175°   | 480.6 | 480.2 | 479.8 | 479.4 | 479.0 | 478.8 | 478.8 | 478.9 | 479.0 | 479.0 | 479.1 |
| 177.5° | 481.3 | 480.9 | 480.5 | 480.1 | 479.7 | 479.5 | 479.5 | 479.6 | 479.7 | 479.7 | 479.8 |
| 180°   | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 |
| 2.5°   | 1675.4 | 1675.4 | 1687.7 | 1699.9 | 1693.1 | 1697.2 | 1712.1 | 1706.7 | 1717.6 | 1716.2 | 1720.3 |
| 5°     | 1801.8 | 1816.8 | 1829.0 | 1854.8 | 1858.9 | 1854.8 | 1880.6 | 1887.4 | 1899.6 | 1884.7 | 1891.5 |
| 7.5°   | 1944.5 | 1975.7 | 2005.6 | 2043.7 | 2055.9 | 2058.6 | 2072.2 | 2091.2 | 2107.5 | 2077.7 | 2092.6 |
| 10°    | 2083.1 | 2130.6 | 2191.8 | 2225.8 | 2255.7 | 2266.5 | 2277.4 | 2289.6 | 2308.7 | 2326.3 | 2312.7 |
| 12.5°  | 2232.6 | 2301.9 | 2360.3 | 2421.4 | 2458.1 | 2454.0 | 2485.3 | 2493.5 | 2508.4 | 2512.5 | 2517.9 |
| 15°    | 2354.9 | 2452.7 | 2489.4 | 2580.4 | 2588.6 | 2615.7 | 2651.1 | 2682.3 | 2686.4 | 2678.3 | 2678.3 |
| 17.5°  | 2471.7 | 2556.0 | 2621.2 | 2694.6 | 2709.5 | 2732.6 | 2777.4 | 2792.4 | 2797.8 | 2796.5 | 2796.5 |
| 20°    | 2566.8 | 2622.5 | 2732.6 | 2793.8 | 2818.2 | 2848.1 | 2879.4 | 2898.4 | 2902.5 | 2907.9 | 2899.7 |
| 22.5°  | 2629.3 | 2713.6 | 2803.3 | 2853.5 | 2873.9 | 2884.8 | 2905.2 | 2910.6 | 2903.8 | 2905.2 | 2906.5 |
| 25°    | 2678.3 | 2761.1 | 2815.5 | 2829.1 | 2827.7 | 2814.1 | 2799.2 | 2773.4 | 2770.7 | 2759.8 | 2738.0 |
| 27.5°  | 2691.8 | 2723.1 | 2716.3 | 2660.6 | 2604.9 | 2599.4 | 2509.8 | 2460.8 | 2405.1 | 2413.3 | 2382.0 |
| 30°    | 2618.5 | 2577.7 | 2481.2 | 2339.9 | 2281.5 | 2186.4 | 2085.8 | 1981.2 | 1940.4 | 1895.6 | 1978.5 |
| 32.5°  | 2439.1 | 2293.7 | 2122.5 | 1939.1 | 1841.2 | 1757.0 | 1649.6 | 1573.5 | 1530.0 | 1493.4 | 1564.0 |
| 35°    | 2168.7 | 1941.8 | 1714.8 | 1540.9 | 1460.7 | 1384.6 | 1284.1 | 1246.0 | 1191.7 | 1197.1 | 1203.9 |
| 37.5°  | 1820.8 | 1570.8 | 1399.6 | 1228.4 | 1175.4 | 1144.1 | 1070.8 | 1012.3 | 993.3  | 987.9  | 987.9  |
| 40°    | 1494.7 | 1289.5 | 1137.3 | 1002.8 | 962.1  | 936.2  | 877.8  | 850.6  | 830.2  | 824.8  | 831.6  |
| 42.5°  | 1236.5 | 1061.2 | 943.0  | 853.3  | 824.8  | 792.2  | 767.7  | 733.8  | 729.7  | 720.2  | 732.4  |
| 45°    | 1038.1 | 886.0  | 797.6  | 732.4  | 708.0  | 695.7  | 668.5  | 648.2  | 640.0  | 638.7  | 648.2  |
| 47.5°  | 880.5  | 762.3  | 684.9  | 644.1  | 625.1  | 612.8  | 589.7  | 581.6  | 573.4  | 576.1  | 572.1  |
| 50°    | 739.2  | 650.9  | 600.6  | 563.9  | 551.7  | 539.5  | 524.5  | 516.4  | 512.3  | 512.3  | 510.9  |
| 52.5°  | 634.6  | 561.2  | 528.6  | 494.6  | 489.2  | 482.4  | 466.1  | 460.6  | 453.8  | 452.5  | 457.9  |
| 55°    | 543.5  | 493.3  | 460.6  | 440.3  | 434.8  | 421.2  | 414.4  | 407.6  | 403.6  | 400.9  | 402.2  |
| 57.5°  | 464.7  | 426.7  | 404.9  | 387.3  | 377.8  | 372.3  | 360.1  | 358.7  | 356.0  | 356.0  | 354.7  |
| 60°    | 399.5  | 372.3  | 346.5  | 335.6  | 328.8  | 322.0  | 320.7  | 312.5  | 308.5  | 311.2  | 309.8  |
| 62.5°  | 338.3  | 316.6  | 301.7  | 289.4  | 285.4  | 279.9  | 275.8  | 273.1  | 269.0  | 270.4  | 270.4  |
| 65°    | 282.6  | 265.0  | 254.1  | 243.2  | 241.9  | 236.4  | 235.1  | 232.4  | 232.4  | 231.0  | 233.7  |
| 67.5°  | 232.4  | 220.1  | 210.6  | 203.8  | 199.7  | 201.1  | 195.7  | 191.6  | 191.6  | 190.2  | 194.3  |
| 70°    | 184.8  | 178.0  | 168.5  | 160.3  | 154.9  | 154.9  | 148.1  | 146.8  | 146.8  | 146.8  | 145.4  |
| 72.5°  | 142.7  | 130.4  | 126.4  | 123.7  | 123.7  | 123.7  | 120.9  | 120.9  | 119.6  | 120.9  | 119.6  |
| 75°    | 106.0  | 104.6  | 101.9  | 100.6  | 100.6  | 99.2   | 97.8   | 97.8   | 97.8   | 97.8   | 97.8   |
| 77.5°  | 82.9   | 82.9   | 80.2   | 78.8   | 78.8   | 78.8   | 77.5   | 77.5   | 76.1   | 76.1   | 76.1   |
| 80°    | 61.1   | 61.1   | 58.4   | 58.4   | 58.4   | 57.1   | 57.1   | 57.1   | 58.4   | 57.1   | 57.1   |
| 82.5°  | 42.1   | 42.1   | 40.8   | 42.1   | 40.8   | 39.4   | 39.4   | 39.4   | 38.0   | 39.4   | 39.4   |
| 85°    | 24.5   | 24.5   | 23.1   | 21.7   | 23.1   | 23.1   | 21.7   | 23.1   | 21.7   | 23.1   | 21.7   |
| 87.5°  | 9.5    | 8.2    | 8.2    | 8.2    | 6.8    | 8.2    | 6.8    | 6.8    | 8.2    | 6.8    | 8.2    |
| 90°    | 8.9    | 9.2    | 9.5    | 9.8    | 10.0   | 10.1   | 10.2   | 10.4   | 10.5   | 10.7   | 10.5   |
| 92.5°  | 9.9    | 10.4   | 11.0   | 11.5   | 11.8   | 11.8   | 11.9   | 12.0   | 12.0   | 12.1   | 12.0   |
| 95°    | 11.7   | 12.2   | 12.8   | 13.3   | 13.6   | 13.6   | 13.6   | 13.6   | 13.6   | 13.6   | 13.6   |
| 97.5°  | 12.0   | 12.7   | 13.3   | 14.0   | 14.3   | 14.3   | 14.4   | 14.5   | 14.5   | 14.6   | 14.5   |
| 100°   | 12.4   | 13.0   | 13.7   | 14.3   | 14.6   | 14.6   | 14.7   | 14.8   | 14.9   | 15.0   | 14.9   |
| 102.5° | 23.8   | 21.2   | 18.5   | 15.9   | 14.6   | 14.7   | 14.9   | 15.0   | 15.2   | 15.4   | 15.2   |
| 105°   | 64.2   | 50.1   | 36.1   | 22.0   | 15.0   | 15.1   | 15.2   | 15.4   | 15.5   | 15.7   | 15.5   |
| 107.5° | 126.7  | 114.5  | 102.2  | 90.0   | 83.9   | 78.7   | 68.3   | 57.9   | 47.5   | 37.1   | 47.5   |
| 110°   | 158.4  | 155.8  | 153.1  | 150.5  | 149.2  | 143.5  | 132.2  | 120.9  | 109.5  | 98.2   | 109.5  |

TEST NUMBER: P1010791

CATALOG NUMBER: S123RDIP-B1000D365UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 184.2 | 184.9 | 185.6 | 186.3 | 186.7 | 186.6 | 186.5 | 186.3 | 186.2 | 186.0 | 186.2 |
| 115°   | 205.7 | 206.5 | 207.3 | 208.1 | 208.5 | 208.7 | 209.0 | 209.3 | 209.6 | 209.9 | 209.6 |
| 117.5° | 226.6 | 227.3 | 227.9 | 228.6 | 228.9 | 228.9 | 229.0 | 229.1 | 229.1 | 229.2 | 229.1 |
| 120°   | 247.0 | 247.6 | 248.3 | 248.9 | 249.2 | 249.2 | 249.2 | 249.2 | 249.2 | 249.2 | 249.2 |
| 122.5° | 267.1 | 267.5 | 267.9 | 268.3 | 268.5 | 268.5 | 268.6 | 268.7 | 268.7 | 268.8 | 268.7 |
| 125°   | 285.8 | 285.9 | 286.1 | 286.2 | 286.3 | 286.4 | 286.6 | 286.7 | 286.9 | 287.1 | 286.9 |
| 127.5° | 304.7 | 305.0 | 305.2 | 305.5 | 305.6 | 305.5 | 305.4 | 305.2 | 305.1 | 304.9 | 305.1 |
| 130°   | 321.6 | 322.0 | 322.3 | 322.6 | 322.8 | 322.7 | 322.5 | 322.4 | 322.2 | 322.0 | 322.2 |
| 132.5° | 337.7 | 338.0 | 338.3 | 338.6 | 338.8 | 338.7 | 338.5 | 338.2 | 338.0 | 337.8 | 338.0 |
| 135°   | 354.0 | 354.3 | 354.5 | 354.8 | 354.9 | 354.8 | 354.5 | 354.3 | 354.0 | 353.8 | 354.0 |
| 137.5° | 368.5 | 368.9 | 369.3 | 369.7 | 369.9 | 369.8 | 369.7 | 369.5 | 369.4 | 369.2 | 369.4 |
| 140°   | 382.3 | 382.7 | 383.0 | 383.3 | 383.5 | 383.4 | 383.2 | 383.1 | 382.9 | 382.7 | 382.9 |
| 142.5° | 395.4 | 395.7 | 395.9 | 396.2 | 396.3 | 396.2 | 395.9 | 395.7 | 395.4 | 395.2 | 395.4 |
| 145°   | 407.6 | 407.7 | 407.9 | 408.0 | 408.1 | 408.1 | 408.1 | 408.1 | 408.1 | 408.1 | 408.1 |
| 147.5° | 418.6 | 418.8 | 418.9 | 419.1 | 419.2 | 419.0 | 418.6 | 418.2 | 417.8 | 417.4 | 417.8 |
| 150°   | 428.6 | 428.8 | 428.9 | 429.1 | 429.2 | 429.1 | 428.8 | 428.6 | 428.3 | 428.1 | 428.3 |
| 152.5° | 437.3 | 437.6 | 437.9 | 438.2 | 438.4 | 438.2 | 437.8 | 437.4 | 437.0 | 436.6 | 437.0 |
| 155°   | 445.3 | 445.7 | 446.0 | 446.4 | 446.6 | 446.4 | 445.9 | 445.4 | 445.0 | 444.5 | 445.0 |
| 157.5° | 452.5 | 452.9 | 453.4 | 453.9 | 454.1 | 453.8 | 453.2 | 452.5 | 451.9 | 451.3 | 451.9 |
| 160°   | 458.6 | 459.0 | 459.5 | 460.0 | 460.2 | 459.9 | 459.4 | 458.8 | 458.3 | 457.7 | 458.3 |
| 162.5° | 464.0 | 464.5 | 465.1 | 465.6 | 465.9 | 465.7 | 465.2 | 464.7 | 464.3 | 463.8 | 464.3 |
| 165°   | 468.7 | 469.3 | 470.0 | 470.6 | 470.9 | 470.6 | 470.1 | 469.5 | 469.0 | 468.4 | 469.0 |
| 167.5° | 472.6 | 473.3 | 473.9 | 474.6 | 474.9 | 474.6 | 473.9 | 473.3 | 472.6 | 472.0 | 472.6 |
| 170°   | 475.8 | 476.5 | 477.1 | 477.8 | 478.1 | 477.8 | 477.1 | 476.5 | 475.8 | 475.2 | 475.8 |
| 172.5° | 478.0 | 478.6 | 479.3 | 479.9 | 480.2 | 479.8 | 479.1 | 478.4 | 477.7 | 477.0 | 477.7 |
| 175°   | 479.7 | 480.2 | 480.8 | 481.3 | 481.6 | 481.3 | 480.7 | 480.0 | 479.4 | 478.8 | 479.4 |
| 177.5° | 480.4 | 481.1 | 481.7 | 482.4 | 482.7 | 482.3 | 481.5 | 480.7 | 479.9 | 479.1 | 479.9 |
| 180°   | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 |

TEST NUMBER: P1010791

CATALOG NUMBER: S123RDIP-B1000D365UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 |
| 2.5°   | 1713.5 | 1705.3 | 1699.9 | 1695.8 | 1691.7 | 1704.0 | 1687.7 | 1670.0 | 1657.8 | 1649.6 | 1646.9 |
| 5°     | 1892.9 | 1875.2 | 1860.2 | 1848.0 | 1850.7 | 1850.7 | 1822.2 | 1790.9 | 1763.8 | 1748.8 | 1732.5 |
| 7.5°   | 2100.8 | 2081.7 | 2051.8 | 2045.0 | 2039.6 | 2005.6 | 1977.1 | 1920.0 | 1886.1 | 1852.1 | 1822.2 |
| 10°    | 2307.3 | 2282.8 | 2254.3 | 2244.8 | 2231.2 | 2189.1 | 2145.6 | 2072.2 | 2030.1 | 1967.6 | 1928.2 |
| 12.5°  | 2500.2 | 2470.4 | 2441.8 | 2435.0 | 2414.6 | 2378.0 | 2303.2 | 2227.1 | 2155.1 | 2088.5 | 2019.2 |
| 15°    | 2661.9 | 2653.8 | 2610.3 | 2583.1 | 2538.3 | 2488.0 | 2471.7 | 2368.4 | 2277.4 | 2208.1 | 2083.1 |
| 17.5°  | 2797.8 | 2759.8 | 2719.0 | 2701.4 | 2683.7 | 2625.3 | 2566.8 | 2460.8 | 2363.0 | 2261.1 | 2180.9 |
| 20°    | 2906.5 | 2864.4 | 2835.9 | 2810.1 | 2801.9 | 2735.3 | 2642.9 | 2549.2 | 2441.8 | 2327.7 | 2223.0 |
| 22.5°  | 2912.0 | 2906.5 | 2887.5 | 2872.6 | 2856.3 | 2812.8 | 2739.4 | 2622.5 | 2508.4 | 2383.4 | 2246.1 |
| 25°    | 2799.2 | 2791.0 | 2845.4 | 2831.8 | 2842.7 | 2826.4 | 2787.0 | 2689.1 | 2556.0 | 2409.2 | 2270.6 |
| 27.5°  | 2459.5 | 2542.4 | 2628.0 | 2657.9 | 2678.3 | 2736.7 | 2755.7 | 2701.4 | 2594.0 | 2437.7 | 2282.8 |
| 30°    | 1997.5 | 2107.5 | 2246.1 | 2320.9 | 2378.0 | 2486.7 | 2628.0 | 2645.6 | 2595.4 | 2470.4 | 2280.1 |
| 32.5°  | 1568.1 | 1668.6 | 1780.1 | 1868.4 | 1944.5 | 2167.3 | 2357.6 | 2494.8 | 2519.3 | 2454.0 | 2286.9 |
| 35°    | 1263.7 | 1307.2 | 1413.2 | 1497.4 | 1600.7 | 1790.9 | 2015.1 | 2236.6 | 2386.1 | 2394.3 | 2266.5 |
| 37.5°  | 1042.2 | 1065.3 | 1157.7 | 1205.3 | 1266.4 | 1433.6 | 1642.8 | 1932.3 | 2164.6 | 2274.7 | 2209.5 |
| 40°    | 862.9  | 915.9  | 968.8  | 996.0  | 1039.5 | 1155.0 | 1356.1 | 1583.0 | 1871.1 | 2074.9 | 2121.1 |
| 42.5°  | 748.7  | 771.8  | 805.8  | 843.8  | 871.0  | 971.6  | 1106.1 | 1314.0 | 1573.5 | 1857.5 | 1985.3 |
| 45°    | 660.4  | 668.5  | 703.9  | 728.3  | 756.9  | 827.5  | 922.6  | 1096.6 | 1324.9 | 1604.8 | 1822.2 |
| 47.5°  | 587.0  | 603.3  | 622.3  | 637.3  | 656.3  | 710.7  | 792.2  | 918.6  | 1119.7 | 1369.7 | 1603.4 |
| 50°    | 521.8  | 531.3  | 555.8  | 562.6  | 576.1  | 614.2  | 676.7  | 773.2  | 939.0  | 1138.7 | 1380.6 |
| 52.5°  | 460.6  | 478.3  | 487.8  | 497.3  | 509.6  | 540.8  | 581.6  | 660.4  | 785.4  | 972.9  | 1178.1 |
| 55°    | 413.1  | 418.5  | 432.1  | 440.3  | 449.8  | 471.5  | 506.8  | 565.3  | 663.1  | 812.6  | 1006.9 |
| 57.5°  | 366.9  | 366.9  | 380.5  | 387.3  | 396.8  | 413.1  | 444.3  | 489.2  | 559.8  | 671.3  | 849.3  |
| 60°    | 318.0  | 319.3  | 330.2  | 338.3  | 341.1  | 357.4  | 383.2  | 418.5  | 472.9  | 554.4  | 699.8  |
| 62.5°  | 274.5  | 281.3  | 286.7  | 289.4  | 298.9  | 308.5  | 330.2  | 354.7  | 392.7  | 464.7  | 568.0  |
| 65°    | 237.8  | 239.2  | 243.2  | 245.9  | 250.0  | 260.9  | 277.2  | 293.5  | 326.1  | 379.1  | 463.4  |
| 67.5°  | 195.7  | 201.1  | 206.5  | 206.5  | 210.6  | 216.1  | 232.4  | 245.9  | 270.4  | 301.7  | 358.7  |
| 70°    | 146.8  | 149.5  | 157.6  | 161.7  | 167.1  | 176.6  | 184.8  | 193.0  | 212.0  | 235.1  | 278.6  |
| 72.5°  | 122.3  | 122.3  | 125.0  | 126.4  | 126.4  | 133.2  | 145.4  | 153.5  | 163.1  | 179.4  | 209.3  |
| 75°    | 97.8   | 97.8   | 101.9  | 100.6  | 103.3  | 106.0  | 107.3  | 112.8  | 118.2  | 130.4  | 148.1  |
| 77.5°  | 77.5   | 78.8   | 78.8   | 80.2   | 80.2   | 81.5   | 82.9   | 85.6   | 88.3   | 95.1   | 103.3  |
| 80°    | 57.1   | 58.4   | 58.4   | 59.8   | 59.8   | 61.1   | 62.5   | 63.9   | 66.6   | 69.3   | 73.4   |
| 82.5°  | 39.4   | 40.8   | 40.8   | 42.1   | 40.8   | 42.1   | 43.5   | 43.5   | 44.8   | 47.6   | 48.9   |
| 85°    | 23.1   | 23.1   | 24.5   | 23.1   | 23.1   | 23.1   | 24.5   | 24.5   | 25.8   | 29.9   | 29.9   |
| 87.5°  | 6.8    | 8.2    | 6.8    | 8.2    | 8.2    | 8.2    | 8.2    | 9.5    | 9.5    | 10.9   | 12.2   |
| 90°    | 10.4   | 10.2   | 10.1   | 10.0   | 9.8    | 9.5    | 9.2    | 8.9    | 8.6    | 7.6    | 6.5    |
| 92.5°  | 12.0   | 11.9   | 11.8   | 11.8   | 11.5   | 11.0   | 10.4   | 9.9    | 9.3    | 8.6    | 7.9    |
| 95°    | 13.6   | 13.6   | 13.6   | 13.6   | 13.3   | 12.8   | 12.2   | 11.7   | 11.1   | 10.2   | 9.3    |
| 97.5°  | 14.5   | 14.4   | 14.3   | 14.3   | 14.0   | 13.3   | 12.7   | 12.0   | 11.4   | 15.4   | 19.5   |
| 100°   | 14.8   | 14.7   | 14.6   | 14.6   | 14.3   | 13.7   | 13.0   | 12.4   | 11.8   | 24.2   | 36.6   |
| 102.5° | 15.0   | 14.9   | 14.7   | 14.6   | 15.9   | 18.5   | 21.2   | 23.8   | 26.4   | 40.2   | 54.0   |
| 105°   | 15.4   | 15.2   | 15.1   | 15.0   | 22.0   | 36.1   | 50.1   | 64.2   | 78.2   | 85.3   | 92.5   |
| 107.5° | 57.9   | 68.3   | 78.7   | 83.9   | 90.0   | 102.2  | 114.5  | 126.7  | 138.9  | 137.7  | 136.5  |
| 110°   | 120.9  | 132.2  | 143.5  | 149.2  | 150.5  | 153.1  | 155.8  | 158.4  | 161.0  | 160.1  | 159.3  |

TEST NUMBER: P1010791

CATALOG NUMBER: S123RDIP-B1000D365UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 186.3 | 186.5 | 186.6 | 186.7  | 186.3 | 185.6 | 184.9 | 184.2 | 183.5 | 182.6 | 181.8 |
| 115°   | 209.3 | 209.0 | 208.7 | 208.5  | 208.1 | 207.3 | 206.5 | 205.7 | 204.9 | 204.2 | 203.5 |
| 117.5° | 229.1 | 229.0 | 228.9 | 228.9  | 228.6 | 227.9 | 227.3 | 226.6 | 226.0 | 225.6 | 225.2 |
| 120°   | 249.2 | 249.2 | 249.2 | 249.2  | 248.9 | 248.3 | 247.6 | 247.0 | 246.4 | 246.2 | 245.9 |
| 122.5° | 268.7 | 268.6 | 268.5 | 268.5  | 268.3 | 267.9 | 267.5 | 267.1 | 266.7 | 266.4 | 266.1 |
| 125°   | 286.7 | 286.6 | 286.4 | 286.3  | 286.2 | 286.1 | 285.9 | 285.8 | 285.6 | 285.3 | 285.0 |
| 127.5° | 305.2 | 305.4 | 305.5 | 305.6  | 305.5 | 305.2 | 305.0 | 304.7 | 304.5 | 304.1 | 303.7 |
| 130°   | 322.4 | 322.5 | 322.7 | 322.8  | 322.6 | 322.3 | 322.0 | 321.6 | 321.3 | 321.0 | 320.7 |
| 132.5° | 338.2 | 338.5 | 338.7 | 338.8  | 338.6 | 338.3 | 338.0 | 337.7 | 337.4 | 337.2 | 336.9 |
| 135°   | 354.3 | 354.5 | 354.8 | 354.9  | 354.8 | 354.5 | 354.3 | 354.0 | 353.8 | 353.5 | 353.2 |
| 137.5° | 369.5 | 369.7 | 369.8 | 369.9  | 369.7 | 369.3 | 368.9 | 368.5 | 368.1 | 367.9 | 367.8 |
| 140°   | 383.1 | 383.2 | 383.4 | 383.5  | 383.3 | 383.0 | 382.7 | 382.3 | 382.0 | 381.8 | 381.6 |
| 142.5° | 395.7 | 395.9 | 396.2 | 396.3  | 396.2 | 395.9 | 395.7 | 395.4 | 395.2 | 395.0 | 394.8 |
| 145°   | 408.1 | 408.1 | 408.1 | 408.1  | 408.0 | 407.9 | 407.7 | 407.6 | 407.4 | 407.2 | 407.1 |
| 147.5° | 418.2 | 418.6 | 419.0 | 419.2  | 419.1 | 418.9 | 418.8 | 418.6 | 418.4 | 418.2 | 418.1 |
| 150°   | 428.6 | 428.8 | 429.1 | 429.2  | 429.1 | 428.9 | 428.8 | 428.6 | 428.4 | 428.2 | 428.1 |
| 152.5° | 437.4 | 437.8 | 438.2 | 438.4  | 438.2 | 437.9 | 437.6 | 437.3 | 437.0 | 436.9 | 436.8 |
| 155°   | 445.4 | 445.9 | 446.4 | 446.6  | 446.4 | 446.0 | 445.7 | 445.3 | 444.9 | 444.8 | 444.7 |
| 157.5° | 452.5 | 453.2 | 453.8 | 454.1  | 453.9 | 453.4 | 452.9 | 452.5 | 452.0 | 452.1 | 452.2 |
| 160°   | 458.8 | 459.4 | 459.9 | 460.2  | 460.0 | 459.5 | 459.0 | 458.6 | 458.1 | 458.2 | 458.2 |
| 162.5° | 464.7 | 465.2 | 465.7 | 465.9  | 465.6 | 465.1 | 464.5 | 464.0 | 463.4 | 463.5 | 463.6 |
| 165°   | 469.5 | 470.1 | 470.6 | 470.9  | 470.6 | 470.0 | 469.3 | 468.7 | 468.1 | 468.2 | 468.2 |
| 167.5° | 473.3 | 473.9 | 474.6 | 474.9  | 474.6 | 473.9 | 473.3 | 472.6 | 472.0 | 472.0 | 472.0 |
| 170°   | 476.5 | 477.1 | 477.8 | 478.1  | 477.8 | 477.1 | 476.5 | 475.8 | 475.2 | 475.2 | 475.2 |
| 172.5° | 478.4 | 479.1 | 479.8 | 480.2  | 479.9 | 479.3 | 478.6 | 478.0 | 477.4 | 477.3 | 477.2 |
| 175°   | 480.0 | 480.7 | 481.3 | 481.6  | 481.3 | 480.8 | 480.2 | 479.7 | 479.1 | 479.0 | 479.0 |
| 177.5° | 480.7 | 481.5 | 482.3 | 482.7  | 482.4 | 481.7 | 481.1 | 480.4 | 479.8 | 479.7 | 479.7 |
| 180°   | 480.6 | 480.6 | 480.6 | 480.6  | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 |
| 2.5°   | 1642.8 | 1636.0 | 1629.2 | 1629.2 | 1614.3 | 1600.7 | 1593.9 | 1596.6 | 1588.5 | 1577.6 | 1566.7 |
| 5°     | 1714.8 | 1687.7 | 1682.2 | 1667.3 | 1646.9 | 1618.4 | 1603.4 | 1589.8 | 1573.5 | 1551.8 | 1531.4 |
| 7.5°   | 1781.4 | 1746.1 | 1727.1 | 1712.1 | 1672.7 | 1633.3 | 1600.7 | 1579.0 | 1550.4 | 1517.8 | 1493.4 |
| 10°    | 1868.4 | 1803.2 | 1782.8 | 1748.8 | 1693.1 | 1637.4 | 1599.3 | 1564.0 | 1524.6 | 1486.6 | 1453.9 |
| 12.5°  | 1937.7 | 1863.0 | 1824.9 | 1790.9 | 1718.9 | 1648.3 | 1584.4 | 1540.9 | 1493.4 | 1451.2 | 1409.1 |
| 15°    | 2016.5 | 1932.3 | 1865.7 | 1824.9 | 1733.9 | 1648.3 | 1576.2 | 1515.1 | 1462.1 | 1410.5 | 1373.8 |
| 17.5°  | 2054.6 | 1948.6 | 1918.7 | 1860.2 | 1728.4 | 1642.8 | 1554.5 | 1489.3 | 1425.4 | 1365.6 | 1322.1 |
| 20°    | 2114.3 | 1990.7 | 1916.0 | 1876.5 | 1759.7 | 1633.3 | 1530.0 | 1455.3 | 1388.7 | 1324.9 | 1278.7 |
| 22.5°  | 2118.4 | 1983.9 | 1935.0 | 1860.2 | 1716.2 | 1604.8 | 1508.3 | 1417.3 | 1339.8 | 1280.0 | 1232.5 |
| 25°    | 2108.9 | 1971.7 | 1903.7 | 1843.9 | 1724.4 | 1588.5 | 1464.8 | 1375.1 | 1299.0 | 1229.7 | 1174.0 |
| 27.5°  | 2104.8 | 1936.3 | 1872.5 | 1812.7 | 1678.2 | 1540.9 | 1439.0 | 1337.1 | 1250.1 | 1189.0 | 1131.9 |
| 30°    | 2099.4 | 1898.3 | 1820.8 | 1751.5 | 1627.9 | 1504.2 | 1381.9 | 1293.6 | 1210.7 | 1133.3 | 1076.2 |
| 32.5°  | 2064.1 | 1846.6 | 1767.8 | 1694.5 | 1561.3 | 1437.6 | 1341.2 | 1247.4 | 1157.7 | 1085.7 | 1034.1 |
| 35°    | 2053.2 | 1799.1 | 1695.8 | 1617.0 | 1486.6 | 1376.5 | 1274.6 | 1197.1 | 1112.9 | 1040.9 | 979.7  |
| 37.5°  | 2021.9 | 1750.2 | 1638.7 | 1538.2 | 1402.3 | 1297.7 | 1222.9 | 1145.5 | 1064.0 | 986.5  | 937.6  |
| 40°    | 1967.6 | 1693.1 | 1566.7 | 1463.5 | 1323.5 | 1217.5 | 1148.2 | 1091.1 | 1011.0 | 941.7  | 881.9  |
| 42.5°  | 1887.4 | 1634.7 | 1498.8 | 1390.1 | 1235.2 | 1136.0 | 1078.9 | 1024.6 | 956.6  | 884.6  | 835.7  |
| 45°    | 1795.0 | 1557.2 | 1430.8 | 1309.9 | 1152.3 | 1055.8 | 996.0  | 963.4  | 900.9  | 839.8  | 782.7  |
| 47.5°  | 1668.6 | 1477.0 | 1352.0 | 1227.0 | 1066.7 | 972.9  | 925.4  | 892.8  | 849.3  | 782.7  | 736.5  |
| 50°    | 1509.7 | 1373.8 | 1255.6 | 1144.1 | 982.4  | 892.8  | 845.2  | 820.7  | 784.0  | 736.5  | 691.6  |
| 52.5°  | 1333.0 | 1254.2 | 1156.4 | 1053.1 | 896.8  | 812.6  | 769.1  | 750.1  | 722.9  | 678.1  | 640.0  |
| 55°    | 1155.0 | 1121.0 | 1054.5 | 952.5  | 807.1  | 737.8  | 699.8  | 675.3  | 655.0  | 622.3  | 589.7  |
| 57.5°  | 996.0  | 979.7  | 933.5  | 854.7  | 732.4  | 660.4  | 627.8  | 611.5  | 595.2  | 570.7  | 538.1  |
| 60°    | 831.6  | 849.3  | 801.7  | 762.3  | 650.9  | 588.4  | 559.8  | 542.2  | 534.0  | 512.3  | 491.9  |
| 62.5°  | 688.9  | 705.2  | 678.1  | 648.2  | 569.3  | 513.6  | 496.0  | 479.7  | 474.2  | 455.2  | 434.8  |
| 65°    | 559.8  | 580.2  | 559.8  | 543.5  | 496.0  | 449.8  | 428.0  | 419.9  | 414.4  | 402.2  | 385.9  |
| 67.5°  | 445.7  | 466.1  | 456.6  | 436.2  | 421.2  | 383.2  | 371.0  | 362.8  | 360.1  | 350.6  | 337.0  |
| 70°    | 335.6  | 364.2  | 366.9  | 354.7  | 341.1  | 323.4  | 315.2  | 312.5  | 305.7  | 297.6  | 289.4  |
| 72.5°  | 241.9  | 274.5  | 275.8  | 275.8  | 267.7  | 267.7  | 259.5  | 255.5  | 255.5  | 247.3  | 237.8  |
| 75°    | 178.0  | 199.7  | 202.5  | 205.2  | 209.3  | 213.3  | 207.9  | 207.9  | 206.5  | 198.4  | 194.3  |
| 77.5°  | 118.2  | 137.2  | 144.0  | 153.5  | 159.0  | 159.0  | 161.7  | 164.4  | 161.7  | 157.6  | 154.9  |
| 80°    | 76.1   | 89.7   | 97.8   | 103.3  | 111.4  | 115.5  | 119.6  | 120.9  | 118.2  | 116.9  | 112.8  |
| 82.5°  | 50.3   | 54.4   | 58.4   | 65.2   | 74.7   | 81.5   | 81.5   | 80.2   | 82.9   | 81.5   | 80.2   |
| 85°    | 28.5   | 31.3   | 32.6   | 34.0   | 39.4   | 46.2   | 47.6   | 48.9   | 51.6   | 48.9   | 46.2   |
| 87.5°  | 10.9   | 12.2   | 12.2   | 12.2   | 14.9   | 16.3   | 20.4   | 25.8   | 24.5   | 21.7   | 21.7   |
| 90°    | 5.5    | 4.4    | 3.9    | 3.5    | 2.7    | 2.0    | 1.2    | 0.4    | 1.2    | 2.0    | 2.7    |
| 92.5°  | 7.2    | 6.5    | 6.1    | 6.3    | 6.8    | 7.3    | 7.7    | 8.2    | 7.7    | 7.3    | 6.8    |
| 95°    | 8.4    | 7.5    | 7.1    | 8.7    | 12.0   | 15.3   | 18.5   | 21.8   | 18.5   | 15.3   | 12.0   |
| 97.5°  | 23.5   | 27.6   | 29.6   | 30.7   | 32.9   | 35.2   | 37.4   | 39.6   | 37.4   | 35.2   | 32.9   |
| 100°   | 48.9   | 61.3   | 67.5   | 66.7   | 65.1   | 63.5   | 61.9   | 60.3   | 61.9   | 63.5   | 65.1   |
| 102.5° | 67.8   | 81.6   | 88.5   | 88.0   | 87.0   | 85.9   | 84.9   | 83.9   | 84.9   | 85.9   | 87.0   |
| 105°   | 99.6   | 106.7  | 110.3  | 109.9  | 109.0  | 108.1  | 107.3  | 106.4  | 107.3  | 108.1  | 109.0  |
| 107.5° | 135.3  | 134.1  | 133.5  | 133.1  | 132.4  | 131.7  | 131.0  | 130.3  | 131.0  | 131.7  | 132.4  |
| 110°   | 158.4  | 157.5  | 157.1  | 156.8  | 156.1  | 155.5  | 154.8  | 154.2  | 154.8  | 155.5  | 156.1  |

TEST NUMBER: P1010791

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**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 180.9 | 180.0 | 179.6  | 179.3 | 178.8 | 178.2 | 177.7 | 177.1 | 177.7 | 178.2 | 178.8 |
| 115°   | 202.8 | 202.1 | 201.7  | 201.5 | 201.0 | 200.5 | 200.1 | 199.6 | 200.1 | 200.5 | 201.0 |
| 117.5° | 224.8 | 224.4 | 224.2  | 223.9 | 223.4 | 222.8 | 222.3 | 221.7 | 222.3 | 222.8 | 223.4 |
| 120°   | 245.7 | 245.4 | 245.3  | 244.9 | 244.2 | 243.5 | 242.8 | 242.1 | 242.8 | 243.5 | 244.2 |
| 122.5° | 265.8 | 265.5 | 265.3  | 265.0 | 264.5 | 263.9 | 263.4 | 262.8 | 263.4 | 263.9 | 264.5 |
| 125°   | 284.7 | 284.4 | 284.2  | 283.9 | 283.2 | 282.6 | 281.9 | 281.3 | 281.9 | 282.6 | 283.2 |
| 127.5° | 303.4 | 303.0 | 302.8  | 302.5 | 301.8 | 301.2 | 300.5 | 299.9 | 300.5 | 301.2 | 301.8 |
| 130°   | 320.4 | 320.1 | 319.9  | 319.6 | 318.9 | 318.3 | 317.6 | 317.0 | 317.6 | 318.3 | 318.9 |
| 132.5° | 336.7 | 336.4 | 336.3  | 336.0 | 335.4 | 334.7 | 334.1 | 333.5 | 334.1 | 334.7 | 335.4 |
| 135°   | 352.9 | 352.6 | 352.4  | 352.2 | 351.7 | 351.2 | 350.7 | 350.2 | 350.7 | 351.2 | 351.7 |
| 137.5° | 367.6 | 367.5 | 367.4  | 367.1 | 366.4 | 365.8 | 365.1 | 364.5 | 365.1 | 365.8 | 366.4 |
| 140°   | 381.3 | 381.1 | 381.0  | 380.8 | 380.3 | 379.8 | 379.3 | 378.8 | 379.3 | 379.8 | 380.3 |
| 142.5° | 394.5 | 394.3 | 394.2  | 394.0 | 393.5 | 393.0 | 392.5 | 392.0 | 392.5 | 393.0 | 393.5 |
| 145°   | 406.9 | 406.8 | 406.7  | 406.4 | 405.9 | 405.3 | 404.8 | 404.2 | 404.8 | 405.3 | 405.9 |
| 147.5° | 417.9 | 417.8 | 417.7  | 417.5 | 417.1 | 416.7 | 416.3 | 415.9 | 416.3 | 416.7 | 417.1 |
| 150°   | 427.9 | 427.8 | 427.7  | 427.6 | 427.4 | 427.1 | 426.9 | 426.7 | 426.9 | 427.1 | 427.4 |
| 152.5° | 436.7 | 436.6 | 436.6  | 436.6 | 436.5 | 436.4 | 436.4 | 436.3 | 436.4 | 436.4 | 436.5 |
| 155°   | 444.6 | 444.5 | 444.5  | 444.6 | 444.7 | 444.9 | 445.0 | 445.2 | 445.0 | 444.9 | 444.7 |
| 157.5° | 452.3 | 452.4 | 452.4  | 452.4 | 452.4 | 452.4 | 452.4 | 452.4 | 452.4 | 452.4 | 452.4 |
| 160°   | 458.3 | 458.4 | 458.4  | 458.4 | 458.5 | 458.6 | 458.7 | 458.8 | 458.7 | 458.6 | 458.5 |
| 162.5° | 463.7 | 463.8 | 463.8  | 463.9 | 464.2 | 464.4 | 464.7 | 464.9 | 464.7 | 464.4 | 464.2 |
| 165°   | 468.3 | 468.4 | 468.4  | 468.5 | 468.8 | 469.0 | 469.3 | 469.5 | 469.3 | 469.0 | 468.8 |
| 167.5° | 472.0 | 472.0 | 472.0  | 472.2 | 472.5 | 472.8 | 473.1 | 473.4 | 473.1 | 472.8 | 472.5 |
| 170°   | 475.2 | 475.2 | 475.2  | 475.4 | 475.7 | 476.0 | 476.3 | 476.6 | 476.3 | 476.0 | 475.7 |
| 172.5° | 477.1 | 477.0 | 477.0  | 477.2 | 477.6 | 478.0 | 478.4 | 478.8 | 478.4 | 478.0 | 477.6 |
| 175°   | 478.9 | 478.8 | 478.8  | 479.0 | 479.4 | 479.8 | 480.2 | 480.6 | 480.2 | 479.8 | 479.4 |
| 177.5° | 479.6 | 479.5 | 479.5  | 479.7 | 480.1 | 480.5 | 480.9 | 481.3 | 480.9 | 480.5 | 480.1 |
| 180°   | 480.6 | 480.6 | 480.6  | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 |

TEST NUMBER: P1010791

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**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 |
| 2.5°   | 1566.7 | 1559.9 | 1557.2 | 1550.4 | 1534.1 | 1523.2 | 1511.0 | 1502.9 | 1504.2 | 1497.4 | 1501.5 |
| 5°     | 1517.8 | 1516.5 | 1506.9 | 1493.4 | 1470.3 | 1458.0 | 1436.3 | 1425.4 | 1420.0 | 1421.3 | 1413.2 |
| 7.5°   | 1477.0 | 1464.8 | 1458.0 | 1436.3 | 1414.5 | 1388.7 | 1371.1 | 1361.5 | 1353.4 | 1345.2 | 1339.8 |
| 10°    | 1430.8 | 1420.0 | 1409.1 | 1386.0 | 1356.1 | 1331.7 | 1307.2 | 1297.7 | 1285.5 | 1280.0 | 1275.9 |
| 12.5°  | 1381.9 | 1375.1 | 1361.5 | 1334.4 | 1300.4 | 1277.3 | 1248.8 | 1243.3 | 1227.0 | 1216.2 | 1213.4 |
| 15°    | 1337.1 | 1333.0 | 1308.6 | 1277.3 | 1243.3 | 1220.2 | 1195.8 | 1179.5 | 1152.3 | 1157.7 | 1148.2 |
| 17.5°  | 1289.5 | 1271.9 | 1256.9 | 1214.8 | 1198.5 | 1163.2 | 1134.6 | 1126.5 | 1107.4 | 1095.2 | 1083.0 |
| 20°    | 1236.5 | 1225.7 | 1206.6 | 1179.5 | 1140.1 | 1099.3 | 1077.6 | 1064.0 | 1053.1 | 1034.1 | 1028.6 |
| 22.5°  | 1186.3 | 1172.7 | 1156.4 | 1121.0 | 1087.1 | 1053.1 | 1023.2 | 1011.0 | 997.4  | 983.8  | 975.6  |
| 25°    | 1146.9 | 1126.5 | 1108.8 | 1065.3 | 1031.4 | 1002.8 | 983.8  | 963.4  | 944.4  | 936.2  | 933.5  |
| 27.5°  | 1085.7 | 1073.5 | 1055.8 | 1015.0 | 983.8  | 952.5  | 934.9  | 921.3  | 900.9  | 891.4  | 883.2  |
| 30°    | 1046.3 | 1021.8 | 1001.5 | 968.8  | 937.6  | 903.6  | 887.3  | 871.0  | 858.8  | 846.6  | 837.0  |
| 32.5°  | 993.3  | 974.3  | 958.0  | 925.4  | 894.1  | 862.9  | 845.2  | 820.7  | 813.9  | 804.4  | 793.6  |
| 35°    | 941.7  | 929.4  | 911.8  | 876.4  | 842.5  | 820.7  | 801.7  | 778.6  | 770.5  | 763.7  | 754.2  |
| 37.5°  | 892.8  | 875.1  | 862.9  | 828.9  | 799.0  | 773.2  | 758.2  | 739.2  | 733.8  | 725.6  | 718.8  |
| 40°    | 850.6  | 833.0  | 820.7  | 786.8  | 755.5  | 728.3  | 718.8  | 699.8  | 691.6  | 682.1  | 678.1  |
| 42.5°  | 803.1  | 788.1  | 771.8  | 747.4  | 714.7  | 687.6  | 668.5  | 657.7  | 646.8  | 642.7  | 634.6  |
| 45°    | 752.8  | 739.2  | 727.0  | 699.8  | 665.8  | 646.8  | 630.5  | 615.5  | 607.4  | 600.6  | 595.2  |
| 47.5°  | 709.3  | 697.1  | 680.8  | 650.9  | 623.7  | 606.0  | 589.7  | 574.8  | 566.6  | 558.5  | 551.7  |
| 50°    | 659.0  | 652.2  | 634.6  | 606.0  | 580.2  | 559.8  | 544.9  | 531.3  | 525.9  | 516.4  | 505.5  |
| 52.5°  | 614.2  | 602.0  | 587.0  | 563.9  | 540.8  | 516.4  | 496.0  | 487.8  | 478.3  | 472.9  | 463.4  |
| 55°    | 561.2  | 553.0  | 536.7  | 516.4  | 491.9  | 471.5  | 456.6  | 445.7  | 433.5  | 428.0  | 415.8  |
| 57.5°  | 516.4  | 501.4  | 493.3  | 467.4  | 444.3  | 424.0  | 413.1  | 402.2  | 388.6  | 380.5  | 375.0  |
| 60°    | 467.4  | 453.8  | 441.6  | 419.9  | 403.6  | 381.8  | 365.5  | 356.0  | 346.5  | 335.6  | 330.2  |
| 62.5°  | 419.9  | 409.0  | 394.1  | 376.4  | 356.0  | 338.3  | 326.1  | 312.5  | 307.1  | 296.2  | 292.1  |
| 65°    | 368.2  | 360.1  | 347.9  | 327.5  | 311.2  | 296.2  | 284.0  | 273.1  | 267.7  | 263.6  | 260.9  |
| 67.5°  | 322.0  | 311.2  | 303.0  | 285.4  | 267.7  | 255.5  | 248.7  | 241.9  | 235.1  | 231.0  | 226.9  |
| 70°    | 274.5  | 266.3  | 258.2  | 241.9  | 229.6  | 218.8  | 213.3  | 207.9  | 203.8  | 199.7  | 195.7  |
| 72.5°  | 225.6  | 221.5  | 213.3  | 202.5  | 193.0  | 184.8  | 180.7  | 173.9  | 169.9  | 163.1  | 160.3  |
| 75°    | 186.2  | 179.4  | 175.3  | 165.8  | 157.6  | 150.8  | 145.4  | 137.2  | 131.8  | 129.1  | 127.7  |
| 77.5°  | 146.8  | 144.0  | 138.6  | 130.4  | 126.4  | 119.6  | 111.4  | 108.7  | 106.0  | 106.0  | 104.6  |
| 80°    | 110.1  | 106.0  | 101.9  | 95.1   | 91.0   | 85.6   | 85.6   | 85.6   | 84.2   | 85.6   | 84.2   |
| 82.5°  | 74.7   | 72.0   | 69.3   | 65.2   | 63.9   | 63.9   | 65.2   | 65.2   | 65.2   | 65.2   | 65.2   |
| 85°    | 43.5   | 43.5   | 43.5   | 44.8   | 43.5   | 43.5   | 44.8   | 46.2   | 44.8   | 44.8   | 43.5   |
| 87.5°  | 20.4   | 20.4   | 21.7   | 21.7   | 23.1   | 23.1   | 23.1   | 23.1   | 23.1   | 23.1   | 24.5   |
| 90°    | 3.5    | 3.9    | 4.4    | 5.5    | 6.5    | 7.6    | 8.6    | 8.9    | 9.2    | 9.5    | 9.8    |
| 92.5°  | 6.3    | 6.1    | 6.5    | 7.2    | 7.9    | 8.6    | 9.3    | 9.9    | 10.4   | 11.0   | 11.5   |
| 95°    | 8.7    | 7.1    | 7.5    | 8.4    | 9.3    | 10.2   | 11.1   | 11.7   | 12.2   | 12.8   | 13.3   |
| 97.5°  | 30.7   | 29.6   | 27.6   | 23.5   | 19.5   | 15.4   | 11.4   | 12.0   | 12.7   | 13.3   | 14.0   |
| 100°   | 66.7   | 67.5   | 61.3   | 48.9   | 36.6   | 24.2   | 11.8   | 12.4   | 13.0   | 13.7   | 14.3   |
| 102.5° | 88.0   | 88.5   | 81.6   | 67.8   | 54.0   | 40.2   | 26.4   | 23.8   | 21.2   | 18.5   | 15.9   |
| 105°   | 109.9  | 110.3  | 106.7  | 99.6   | 92.5   | 85.3   | 78.2   | 64.2   | 50.1   | 36.1   | 22.0   |
| 107.5° | 133.1  | 133.5  | 134.1  | 135.3  | 136.5  | 137.7  | 138.9  | 126.7  | 114.5  | 102.2  | 90.0   |
| 110°   | 156.8  | 157.1  | 157.5  | 158.4  | 159.3  | 160.1  | 161.0  | 158.4  | 155.8  | 153.1  | 150.5  |

TEST NUMBER: P1010791

CATALOG NUMBER: S123RDIP-B1000D365UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 179.3 | 179.6  | 180.0 | 180.9 | 181.8 | 182.6 | 183.5 | 184.2 | 184.9 | 185.6 | 186.3 |
| 115°   | 201.5 | 201.7  | 202.1 | 202.8 | 203.5 | 204.2 | 204.9 | 205.7 | 206.5 | 207.3 | 208.1 |
| 117.5° | 223.9 | 224.2  | 224.4 | 224.8 | 225.2 | 225.6 | 226.0 | 226.6 | 227.3 | 227.9 | 228.6 |
| 120°   | 244.9 | 245.3  | 245.4 | 245.7 | 245.9 | 246.2 | 246.4 | 247.0 | 247.6 | 248.3 | 248.9 |
| 122.5° | 265.0 | 265.3  | 265.5 | 265.8 | 266.1 | 266.4 | 266.7 | 267.1 | 267.5 | 267.9 | 268.3 |
| 125°   | 283.9 | 284.2  | 284.4 | 284.7 | 285.0 | 285.3 | 285.6 | 285.8 | 285.9 | 286.1 | 286.2 |
| 127.5° | 302.5 | 302.8  | 303.0 | 303.4 | 303.7 | 304.1 | 304.5 | 304.7 | 305.0 | 305.2 | 305.5 |
| 130°   | 319.6 | 319.9  | 320.1 | 320.4 | 320.7 | 321.0 | 321.3 | 321.6 | 322.0 | 322.3 | 322.6 |
| 132.5° | 336.0 | 336.3  | 336.4 | 336.7 | 336.9 | 337.2 | 337.4 | 337.7 | 338.0 | 338.3 | 338.6 |
| 135°   | 352.2 | 352.4  | 352.6 | 352.9 | 353.2 | 353.5 | 353.8 | 354.0 | 354.3 | 354.5 | 354.8 |
| 137.5° | 367.1 | 367.4  | 367.5 | 367.6 | 367.8 | 367.9 | 368.1 | 368.5 | 368.9 | 369.3 | 369.7 |
| 140°   | 380.8 | 381.0  | 381.1 | 381.3 | 381.6 | 381.8 | 382.0 | 382.3 | 382.7 | 383.0 | 383.3 |
| 142.5° | 394.0 | 394.2  | 394.3 | 394.5 | 394.8 | 395.0 | 395.2 | 395.4 | 395.7 | 395.9 | 396.2 |
| 145°   | 406.4 | 406.7  | 406.8 | 406.9 | 407.1 | 407.2 | 407.4 | 407.6 | 407.7 | 407.9 | 408.0 |
| 147.5° | 417.5 | 417.7  | 417.8 | 417.9 | 418.1 | 418.2 | 418.4 | 418.6 | 418.8 | 418.9 | 419.1 |
| 150°   | 427.6 | 427.7  | 427.8 | 427.9 | 428.1 | 428.2 | 428.4 | 428.6 | 428.8 | 428.9 | 429.1 |
| 152.5° | 436.6 | 436.6  | 436.6 | 436.7 | 436.8 | 436.9 | 437.0 | 437.3 | 437.6 | 437.9 | 438.2 |
| 155°   | 444.6 | 444.5  | 444.5 | 444.6 | 444.7 | 444.8 | 444.9 | 445.3 | 445.7 | 446.0 | 446.4 |
| 157.5° | 452.4 | 452.4  | 452.4 | 452.3 | 452.2 | 452.1 | 452.0 | 452.5 | 452.9 | 453.4 | 453.9 |
| 160°   | 458.4 | 458.4  | 458.4 | 458.3 | 458.2 | 458.2 | 458.1 | 458.6 | 459.0 | 459.5 | 460.0 |
| 162.5° | 463.9 | 463.8  | 463.8 | 463.7 | 463.6 | 463.5 | 463.4 | 464.0 | 464.5 | 465.1 | 465.6 |
| 165°   | 468.5 | 468.4  | 468.4 | 468.3 | 468.2 | 468.2 | 468.1 | 468.7 | 469.3 | 470.0 | 470.6 |
| 167.5° | 472.2 | 472.0  | 472.0 | 472.0 | 472.0 | 472.0 | 472.0 | 472.6 | 473.3 | 473.9 | 474.6 |
| 170°   | 475.4 | 475.2  | 475.2 | 475.2 | 475.2 | 475.2 | 475.2 | 475.8 | 476.5 | 477.1 | 477.8 |
| 172.5° | 477.2 | 477.0  | 477.0 | 477.1 | 477.2 | 477.3 | 477.4 | 478.0 | 478.6 | 479.3 | 479.9 |
| 175°   | 479.0 | 478.8  | 478.8 | 478.9 | 479.0 | 479.0 | 479.1 | 479.7 | 480.2 | 480.8 | 481.3 |
| 177.5° | 479.7 | 479.5  | 479.5 | 479.6 | 479.7 | 479.7 | 479.8 | 480.4 | 481.1 | 481.7 | 482.4 |
| 180°   | 480.6 | 480.6  | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 |

TEST NUMBER: P1010791

CATALOG NUMBER: S123RDIP-B1000D365UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 |
| 2.5°   | 1500.1 | 1501.5 | 1497.4 | 1489.3 | 1487.9 | 1490.6 | 1498.8 | 1496.1 | 1489.3 | 1501.5 | 1490.6 |
| 5°     | 1417.3 | 1410.5 | 1407.7 | 1410.5 | 1402.3 | 1398.2 | 1406.4 | 1402.3 | 1406.4 | 1407.7 | 1411.8 |
| 7.5°   | 1337.1 | 1338.4 | 1330.3 | 1331.7 | 1320.8 | 1323.5 | 1323.5 | 1323.5 | 1327.6 | 1330.3 | 1335.7 |
| 10°    | 1267.8 | 1270.5 | 1261.0 | 1262.4 | 1254.2 | 1248.8 | 1252.8 | 1261.0 | 1261.0 | 1261.0 | 1263.7 |
| 12.5°  | 1212.1 | 1199.8 | 1193.1 | 1191.7 | 1182.2 | 1179.5 | 1187.6 | 1190.3 | 1197.1 | 1197.1 | 1201.2 |
| 15°    | 1142.8 | 1140.1 | 1134.6 | 1134.6 | 1111.5 | 1117.0 | 1119.7 | 1129.2 | 1142.8 | 1131.9 | 1134.6 |
| 17.5°  | 1080.3 | 1073.5 | 1066.7 | 1064.0 | 1061.2 | 1053.1 | 1064.0 | 1062.6 | 1070.8 | 1072.1 | 1076.2 |
| 20°    | 1024.6 | 1019.1 | 1005.5 | 1006.9 | 1009.6 | 997.4  | 1004.2 | 1004.2 | 1012.3 | 1020.5 | 1030.0 |
| 22.5°  | 970.2  | 964.8  | 958.0  | 960.7  | 952.5  | 949.8  | 949.8  | 956.6  | 966.1  | 972.9  | 971.6  |
| 25°    | 928.1  | 918.6  | 914.5  | 910.4  | 906.3  | 909.1  | 905.0  | 911.8  | 918.6  | 922.6  | 918.6  |
| 27.5°  | 880.5  | 876.4  | 868.3  | 864.2  | 857.4  | 860.1  | 862.9  | 868.3  | 872.4  | 872.4  | 876.4  |
| 30°    | 834.3  | 828.9  | 826.2  | 822.1  | 822.1  | 816.7  | 818.0  | 823.5  | 827.5  | 831.6  | 837.0  |
| 32.5°  | 789.5  | 785.4  | 781.3  | 781.3  | 778.6  | 777.3  | 775.9  | 784.0  | 784.0  | 792.2  | 792.2  |
| 35°    | 752.8  | 746.0  | 746.0  | 739.2  | 741.9  | 740.6  | 737.8  | 743.3  | 744.6  | 750.1  | 748.7  |
| 37.5°  | 712.0  | 712.0  | 709.3  | 702.5  | 697.1  | 698.4  | 705.2  | 705.2  | 709.3  | 708.0  | 712.0  |
| 40°    | 671.3  | 668.5  | 668.5  | 664.5  | 663.1  | 661.8  | 663.1  | 664.5  | 671.3  | 669.9  | 671.3  |
| 42.5°  | 630.5  | 631.9  | 625.1  | 625.1  | 625.1  | 621.0  | 622.3  | 623.7  | 626.4  | 629.1  | 633.2  |
| 45°    | 591.1  | 588.4  | 587.0  | 584.3  | 581.6  | 582.9  | 581.6  | 587.0  | 585.7  | 588.4  | 592.4  |
| 47.5°  | 549.0  | 544.9  | 543.5  | 538.1  | 538.1  | 540.8  | 539.5  | 543.5  | 544.9  | 549.0  | 546.2  |
| 50°    | 508.2  | 502.8  | 498.7  | 500.0  | 491.9  | 494.6  | 494.6  | 498.7  | 502.8  | 504.1  | 506.8  |
| 52.5°  | 460.6  | 459.3  | 457.9  | 451.1  | 449.8  | 448.4  | 449.8  | 451.1  | 456.6  | 460.6  | 462.0  |
| 55°    | 414.4  | 413.1  | 404.9  | 402.2  | 398.1  | 398.1  | 400.9  | 402.2  | 411.7  | 413.1  | 418.5  |
| 57.5°  | 372.3  | 368.2  | 358.7  | 357.4  | 357.4  | 357.4  | 353.3  | 358.7  | 361.4  | 368.2  | 368.2  |
| 60°    | 326.1  | 326.1  | 318.0  | 318.0  | 319.3  | 318.0  | 318.0  | 319.3  | 319.3  | 324.8  | 327.5  |
| 62.5°  | 289.4  | 288.1  | 288.1  | 285.4  | 284.0  | 285.4  | 284.0  | 284.0  | 285.4  | 289.4  | 293.5  |
| 65°    | 256.8  | 255.5  | 254.1  | 252.7  | 250.0  | 250.0  | 251.4  | 254.1  | 254.1  | 256.8  | 258.2  |
| 67.5°  | 225.6  | 225.6  | 222.8  | 222.8  | 221.5  | 220.1  | 221.5  | 220.1  | 225.6  | 225.6  | 226.9  |
| 70°    | 194.3  | 193.0  | 188.9  | 187.5  | 183.4  | 184.8  | 184.8  | 188.9  | 190.2  | 193.0  | 195.7  |
| 72.5°  | 156.3  | 156.3  | 153.5  | 150.8  | 152.2  | 149.5  | 149.5  | 150.8  | 150.8  | 154.9  | 156.3  |
| 75°    | 129.1  | 126.4  | 125.0  | 126.4  | 125.0  | 127.7  | 125.0  | 125.0  | 127.7  | 127.7  | 127.7  |
| 77.5°  | 106.0  | 106.0  | 104.6  | 104.6  | 106.0  | 104.6  | 106.0  | 106.0  | 106.0  | 104.6  | 106.0  |
| 80°    | 87.0   | 85.6   | 85.6   | 85.6   | 84.2   | 84.2   | 84.2   | 84.2   | 84.2   | 84.2   | 84.2   |
| 82.5°  | 65.2   | 65.2   | 63.9   | 65.2   | 65.2   | 63.9   | 65.2   | 63.9   | 63.9   | 65.2   | 65.2   |
| 85°    | 43.5   | 46.2   | 43.5   | 43.5   | 44.8   | 44.8   | 46.2   | 44.8   | 46.2   | 43.5   | 44.8   |
| 87.5°  | 23.1   | 24.5   | 24.5   | 23.1   | 23.1   | 24.5   | 24.5   | 24.5   | 25.8   | 23.1   | 24.5   |
| 90°    | 10.0   | 10.1   | 10.2   | 10.4   | 10.5   | 10.7   | 10.5   | 10.4   | 10.2   | 10.1   | 10.0   |
| 92.5°  | 11.8   | 11.8   | 11.9   | 12.0   | 12.0   | 12.1   | 12.0   | 12.0   | 11.9   | 11.8   | 11.8   |
| 95°    | 13.6   | 13.6   | 13.6   | 13.6   | 13.6   | 13.6   | 13.6   | 13.6   | 13.6   | 13.6   | 13.6   |
| 97.5°  | 14.3   | 14.3   | 14.4   | 14.5   | 14.5   | 14.6   | 14.5   | 14.5   | 14.4   | 14.3   | 14.3   |
| 100°   | 14.6   | 14.6   | 14.7   | 14.8   | 14.9   | 15.0   | 14.9   | 14.8   | 14.7   | 14.6   | 14.6   |
| 102.5° | 14.6   | 14.7   | 14.9   | 15.0   | 15.2   | 15.4   | 15.2   | 15.0   | 14.9   | 14.7   | 14.6   |
| 105°   | 15.0   | 15.1   | 15.2   | 15.4   | 15.5   | 15.7   | 15.5   | 15.4   | 15.2   | 15.1   | 15.0   |
| 107.5° | 83.9   | 78.7   | 68.3   | 57.9   | 47.5   | 37.1   | 47.5   | 57.9   | 68.3   | 78.7   | 83.9   |
| 110°   | 149.2  | 143.5  | 132.2  | 120.9  | 109.5  | 98.2   | 109.5  | 120.9  | 132.2  | 143.5  | 149.2  |

TEST NUMBER: P1010791

CATALOG NUMBER: S123RDIP-B1000D365UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 186.7  | 186.6 | 186.5 | 186.3 | 186.2 | 186.0 | 186.2 | 186.3 | 186.5 | 186.6 | 186.7  |
| 115°   | 208.5  | 208.7 | 209.0 | 209.3 | 209.6 | 209.9 | 209.6 | 209.3 | 209.0 | 208.7 | 208.5  |
| 117.5° | 228.9  | 228.9 | 229.0 | 229.1 | 229.1 | 229.2 | 229.1 | 229.1 | 229.0 | 228.9 | 228.9  |
| 120°   | 249.2  | 249.2 | 249.2 | 249.2 | 249.2 | 249.2 | 249.2 | 249.2 | 249.2 | 249.2 | 249.2  |
| 122.5° | 268.5  | 268.5 | 268.6 | 268.7 | 268.7 | 268.8 | 268.7 | 268.7 | 268.6 | 268.5 | 268.5  |
| 125°   | 286.3  | 286.4 | 286.6 | 286.7 | 286.9 | 287.1 | 286.9 | 286.7 | 286.6 | 286.4 | 286.3  |
| 127.5° | 305.6  | 305.5 | 305.4 | 305.2 | 305.1 | 304.9 | 305.1 | 305.2 | 305.4 | 305.5 | 305.6  |
| 130°   | 322.8  | 322.7 | 322.5 | 322.4 | 322.2 | 322.0 | 322.2 | 322.4 | 322.5 | 322.7 | 322.8  |
| 132.5° | 338.8  | 338.7 | 338.5 | 338.2 | 338.0 | 337.8 | 338.0 | 338.2 | 338.5 | 338.7 | 338.8  |
| 135°   | 354.9  | 354.8 | 354.5 | 354.3 | 354.0 | 353.8 | 354.0 | 354.3 | 354.5 | 354.8 | 354.9  |
| 137.5° | 369.9  | 369.8 | 369.7 | 369.5 | 369.4 | 369.2 | 369.4 | 369.5 | 369.7 | 369.8 | 369.9  |
| 140°   | 383.5  | 383.4 | 383.2 | 383.1 | 382.9 | 382.7 | 382.9 | 383.1 | 383.2 | 383.4 | 383.5  |
| 142.5° | 396.3  | 396.2 | 395.9 | 395.7 | 395.4 | 395.2 | 395.4 | 395.7 | 395.9 | 396.2 | 396.3  |
| 145°   | 408.1  | 408.1 | 408.1 | 408.1 | 408.1 | 408.1 | 408.1 | 408.1 | 408.1 | 408.1 | 408.1  |
| 147.5° | 419.2  | 419.0 | 418.6 | 418.2 | 417.8 | 417.4 | 417.8 | 418.2 | 418.6 | 419.0 | 419.2  |
| 150°   | 429.2  | 429.1 | 428.8 | 428.6 | 428.3 | 428.1 | 428.3 | 428.6 | 428.8 | 429.1 | 429.2  |
| 152.5° | 438.4  | 438.2 | 437.8 | 437.4 | 437.0 | 436.6 | 437.0 | 437.4 | 437.8 | 438.2 | 438.4  |
| 155°   | 446.6  | 446.4 | 445.9 | 445.4 | 445.0 | 444.5 | 445.0 | 445.4 | 445.9 | 446.4 | 446.6  |
| 157.5° | 454.1  | 453.8 | 453.2 | 452.5 | 451.9 | 451.3 | 451.9 | 452.5 | 453.2 | 453.8 | 454.1  |
| 160°   | 460.2  | 459.9 | 459.4 | 458.8 | 458.3 | 457.7 | 458.3 | 458.8 | 459.4 | 459.9 | 460.2  |
| 162.5° | 465.9  | 465.7 | 465.2 | 464.7 | 464.3 | 463.8 | 464.3 | 464.7 | 465.2 | 465.7 | 465.9  |
| 165°   | 470.9  | 470.6 | 470.1 | 469.5 | 469.0 | 468.4 | 469.0 | 469.5 | 470.1 | 470.6 | 470.9  |
| 167.5° | 474.9  | 474.6 | 473.9 | 473.3 | 472.6 | 472.0 | 472.6 | 473.3 | 473.9 | 474.6 | 474.9  |
| 170°   | 478.1  | 477.8 | 477.1 | 476.5 | 475.8 | 475.2 | 475.8 | 476.5 | 477.1 | 477.8 | 478.1  |
| 172.5° | 480.2  | 479.8 | 479.1 | 478.4 | 477.7 | 477.0 | 477.7 | 478.4 | 479.1 | 479.8 | 480.2  |
| 175°   | 481.6  | 481.3 | 480.7 | 480.0 | 479.4 | 478.8 | 479.4 | 480.0 | 480.7 | 481.3 | 481.6  |
| 177.5° | 482.7  | 482.3 | 481.5 | 480.7 | 479.9 | 479.1 | 479.9 | 480.7 | 481.5 | 482.3 | 482.7  |
| 180°   | 480.6  | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6  |

TEST NUMBER: P1010791

CATALOG NUMBER: S123RDIP-B1000D365UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 | 1587.1 |
| 2.5°   | 1501.5 | 1506.9 | 1501.5 | 1490.6 | 1501.5 | 1508.3 | 1515.1 | 1526.0 | 1531.4 | 1531.4 | 1539.6 |
| 5°     | 1415.9 | 1426.8 | 1422.7 | 1420.0 | 1430.8 | 1437.6 | 1448.5 | 1462.1 | 1477.0 | 1486.6 | 1497.4 |
| 7.5°   | 1339.8 | 1346.6 | 1353.4 | 1353.4 | 1364.3 | 1379.2 | 1395.5 | 1411.8 | 1430.8 | 1444.4 | 1452.6 |
| 10°    | 1273.2 | 1278.7 | 1282.7 | 1288.2 | 1304.5 | 1320.8 | 1342.5 | 1362.9 | 1379.2 | 1394.2 | 1407.7 |
| 12.5°  | 1209.4 | 1217.5 | 1227.0 | 1231.1 | 1243.3 | 1263.7 | 1284.1 | 1308.6 | 1334.4 | 1349.3 | 1362.9 |
| 15°    | 1148.2 | 1152.3 | 1163.2 | 1175.4 | 1186.3 | 1208.0 | 1233.8 | 1259.6 | 1281.4 | 1304.5 | 1316.7 |
| 17.5°  | 1085.7 | 1087.1 | 1115.6 | 1108.8 | 1144.1 | 1164.5 | 1178.1 | 1202.6 | 1237.9 | 1256.9 | 1275.9 |
| 20°    | 1024.6 | 1038.1 | 1050.4 | 1057.2 | 1076.2 | 1099.3 | 1138.7 | 1157.7 | 1186.3 | 1203.9 | 1220.2 |
| 22.5°  | 977.0  | 997.4  | 997.4  | 1013.7 | 1023.2 | 1044.9 | 1073.5 | 1110.2 | 1141.4 | 1153.6 | 1176.7 |
| 25°    | 934.9  | 944.4  | 960.7  | 966.1  | 983.8  | 1002.8 | 1021.8 | 1061.2 | 1095.2 | 1111.5 | 1127.8 |
| 27.5°  | 880.5  | 892.8  | 914.5  | 914.5  | 937.6  | 958.0  | 981.1  | 1006.9 | 1040.9 | 1064.0 | 1081.6 |
| 30°    | 838.4  | 850.6  | 860.1  | 875.1  | 884.6  | 903.6  | 944.4  | 963.4  | 993.3  | 1013.7 | 1035.4 |
| 32.5°  | 799.0  | 808.5  | 816.7  | 833.0  | 843.8  | 865.6  | 887.3  | 921.3  | 947.1  | 966.1  | 989.2  |
| 35°    | 755.5  | 765.0  | 775.9  | 788.1  | 804.4  | 824.8  | 845.2  | 873.7  | 899.5  | 917.2  | 936.2  |
| 37.5°  | 714.7  | 721.5  | 737.8  | 746.0  | 759.6  | 778.6  | 804.4  | 834.3  | 857.4  | 871.0  | 890.0  |
| 40°    | 675.3  | 680.8  | 693.0  | 708.0  | 717.5  | 732.4  | 759.6  | 785.4  | 813.9  | 830.2  | 845.2  |
| 42.5°  | 633.2  | 640.0  | 650.9  | 665.8  | 680.8  | 697.1  | 712.0  | 741.9  | 767.7  | 781.3  | 797.6  |
| 45°    | 596.5  | 600.6  | 608.8  | 623.7  | 638.7  | 650.9  | 674.0  | 701.2  | 725.6  | 736.5  | 754.2  |
| 47.5°  | 553.0  | 557.1  | 569.3  | 576.1  | 592.4  | 608.8  | 631.9  | 659.0  | 680.8  | 691.6  | 708.0  |
| 50°    | 508.2  | 512.3  | 520.4  | 535.4  | 546.2  | 563.9  | 584.3  | 607.4  | 634.6  | 649.5  | 659.0  |
| 52.5°  | 464.7  | 472.9  | 479.7  | 491.9  | 505.5  | 523.1  | 542.2  | 563.9  | 587.0  | 602.0  | 612.8  |
| 55°    | 421.2  | 428.0  | 436.2  | 443.0  | 459.3  | 475.6  | 497.3  | 517.7  | 538.1  | 551.7  | 563.9  |
| 57.5°  | 372.3  | 381.8  | 390.0  | 403.6  | 415.8  | 429.4  | 453.8  | 470.2  | 494.6  | 504.1  | 515.0  |
| 60°    | 330.2  | 339.7  | 346.5  | 357.4  | 368.2  | 385.9  | 402.2  | 422.6  | 443.0  | 455.2  | 468.8  |
| 62.5°  | 294.9  | 298.9  | 303.0  | 313.9  | 324.8  | 341.1  | 357.4  | 377.8  | 399.5  | 406.3  | 417.2  |
| 65°    | 259.5  | 263.6  | 270.4  | 279.9  | 288.1  | 297.6  | 315.2  | 331.6  | 351.9  | 362.8  | 366.9  |
| 67.5°  | 229.6  | 233.7  | 235.1  | 241.9  | 248.7  | 259.5  | 269.0  | 285.4  | 304.4  | 311.2  | 319.3  |
| 70°    | 195.7  | 202.5  | 203.8  | 209.3  | 212.0  | 218.8  | 229.6  | 241.9  | 256.8  | 269.0  | 275.8  |
| 72.5°  | 156.3  | 165.8  | 168.5  | 176.6  | 180.7  | 187.5  | 195.7  | 205.2  | 214.7  | 220.1  | 225.6  |
| 75°    | 127.7  | 130.4  | 131.8  | 138.6  | 145.4  | 154.9  | 159.0  | 164.4  | 172.6  | 179.4  | 184.8  |
| 77.5°  | 106.0  | 107.3  | 108.7  | 108.7  | 110.1  | 115.5  | 123.7  | 130.4  | 135.9  | 138.6  | 142.7  |
| 80°    | 85.6   | 84.2   | 84.2   | 85.6   | 85.6   | 85.6   | 88.3   | 97.8   | 100.6  | 107.3  | 106.0  |
| 82.5°  | 66.6   | 63.9   | 65.2   | 63.9   | 63.9   | 63.9   | 63.9   | 65.2   | 65.2   | 69.3   | 72.0   |
| 85°    | 43.5   | 44.8   | 43.5   | 43.5   | 42.1   | 43.5   | 42.1   | 42.1   | 40.8   | 40.8   | 39.4   |
| 87.5°  | 23.1   | 24.5   | 23.1   | 23.1   | 21.7   | 23.1   | 21.7   | 21.7   | 20.4   | 20.4   | 17.7   |
| 90°    | 9.8    | 9.5    | 9.2    | 8.9    | 8.6    | 7.6    | 6.5    | 5.5    | 4.4    | 3.9    | 3.5    |
| 92.5°  | 11.5   | 11.0   | 10.4   | 9.9    | 9.3    | 8.6    | 7.9    | 7.2    | 6.5    | 6.1    | 6.3    |
| 95°    | 13.3   | 12.8   | 12.2   | 11.7   | 11.1   | 10.2   | 9.3    | 8.4    | 7.5    | 7.1    | 8.7    |
| 97.5°  | 14.0   | 13.3   | 12.7   | 12.0   | 11.4   | 15.4   | 19.5   | 23.5   | 27.6   | 29.6   | 30.7   |
| 100°   | 14.3   | 13.7   | 13.0   | 12.4   | 11.8   | 24.2   | 36.6   | 48.9   | 61.3   | 67.5   | 66.7   |
| 102.5° | 15.9   | 18.5   | 21.2   | 23.8   | 26.4   | 40.2   | 54.0   | 67.8   | 81.6   | 88.5   | 88.0   |
| 105°   | 22.0   | 36.1   | 50.1   | 64.2   | 78.2   | 85.3   | 92.5   | 99.6   | 106.7  | 110.3  | 109.9  |
| 107.5° | 90.0   | 102.2  | 114.5  | 126.7  | 138.9  | 137.7  | 136.5  | 135.3  | 134.1  | 133.5  | 133.1  |
| 110°   | 150.5  | 153.1  | 155.8  | 158.4  | 161.0  | 160.1  | 159.3  | 158.4  | 157.5  | 157.1  | 156.8  |

TEST NUMBER: P1010791

CATALOG NUMBER: S123RDIP-B1000D365UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 186.3 | 185.6 | 184.9 | 184.2 | 183.5 | 182.6 | 181.8 | 180.9 | 180.0 | 179.6  | 179.3 |
| 115°   | 208.1 | 207.3 | 206.5 | 205.7 | 204.9 | 204.2 | 203.5 | 202.8 | 202.1 | 201.7  | 201.5 |
| 117.5° | 228.6 | 227.9 | 227.3 | 226.6 | 226.0 | 225.6 | 225.2 | 224.8 | 224.4 | 224.2  | 223.9 |
| 120°   | 248.9 | 248.3 | 247.6 | 247.0 | 246.4 | 246.2 | 245.9 | 245.7 | 245.4 | 245.3  | 244.9 |
| 122.5° | 268.3 | 267.9 | 267.5 | 267.1 | 266.7 | 266.4 | 266.1 | 265.8 | 265.5 | 265.3  | 265.0 |
| 125°   | 286.2 | 286.1 | 285.9 | 285.8 | 285.6 | 285.3 | 285.0 | 284.7 | 284.4 | 284.2  | 283.9 |
| 127.5° | 305.5 | 305.2 | 305.0 | 304.7 | 304.5 | 304.1 | 303.7 | 303.4 | 303.0 | 302.8  | 302.5 |
| 130°   | 322.6 | 322.3 | 322.0 | 321.6 | 321.3 | 321.0 | 320.7 | 320.4 | 320.1 | 319.9  | 319.6 |
| 132.5° | 338.6 | 338.3 | 338.0 | 337.7 | 337.4 | 337.2 | 336.9 | 336.7 | 336.4 | 336.3  | 336.0 |
| 135°   | 354.8 | 354.5 | 354.3 | 354.0 | 353.8 | 353.5 | 353.2 | 352.9 | 352.6 | 352.4  | 352.2 |
| 137.5° | 369.7 | 369.3 | 368.9 | 368.5 | 368.1 | 367.9 | 367.8 | 367.6 | 367.5 | 367.4  | 367.1 |
| 140°   | 383.3 | 383.0 | 382.7 | 382.3 | 382.0 | 381.8 | 381.6 | 381.3 | 381.1 | 381.0  | 380.8 |
| 142.5° | 396.2 | 395.9 | 395.7 | 395.4 | 395.2 | 395.0 | 394.8 | 394.5 | 394.3 | 394.2  | 394.0 |
| 145°   | 408.0 | 407.9 | 407.7 | 407.6 | 407.4 | 407.2 | 407.1 | 406.9 | 406.8 | 406.7  | 406.4 |
| 147.5° | 419.1 | 418.9 | 418.8 | 418.6 | 418.4 | 418.2 | 418.1 | 417.9 | 417.8 | 417.7  | 417.5 |
| 150°   | 429.1 | 428.9 | 428.8 | 428.6 | 428.4 | 428.2 | 428.1 | 427.9 | 427.8 | 427.7  | 427.6 |
| 152.5° | 438.2 | 437.9 | 437.6 | 437.3 | 437.0 | 436.9 | 436.8 | 436.7 | 436.6 | 436.6  | 436.6 |
| 155°   | 446.4 | 446.0 | 445.7 | 445.3 | 444.9 | 444.8 | 444.7 | 444.6 | 444.5 | 444.5  | 444.6 |
| 157.5° | 453.9 | 453.4 | 452.9 | 452.5 | 452.0 | 452.1 | 452.2 | 452.3 | 452.4 | 452.4  | 452.4 |
| 160°   | 460.0 | 459.5 | 459.0 | 458.6 | 458.1 | 458.2 | 458.2 | 458.3 | 458.4 | 458.4  | 458.4 |
| 162.5° | 465.6 | 465.1 | 464.5 | 464.0 | 463.4 | 463.5 | 463.6 | 463.7 | 463.8 | 463.8  | 463.9 |
| 165°   | 470.6 | 470.0 | 469.3 | 468.7 | 468.1 | 468.2 | 468.2 | 468.3 | 468.4 | 468.4  | 468.5 |
| 167.5° | 474.6 | 473.9 | 473.3 | 472.6 | 472.0 | 472.0 | 472.0 | 472.0 | 472.0 | 472.0  | 472.2 |
| 170°   | 477.8 | 477.1 | 476.5 | 475.8 | 475.2 | 475.2 | 475.2 | 475.2 | 475.2 | 475.2  | 475.4 |
| 172.5° | 479.9 | 479.3 | 478.6 | 478.0 | 477.4 | 477.3 | 477.2 | 477.1 | 477.0 | 477.0  | 477.2 |
| 175°   | 481.3 | 480.8 | 480.2 | 479.7 | 479.1 | 479.0 | 479.0 | 478.9 | 478.8 | 478.8  | 479.0 |
| 177.5° | 482.4 | 481.7 | 481.1 | 480.4 | 479.8 | 479.7 | 479.7 | 479.6 | 479.5 | 479.5  | 479.7 |
| 180°   | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6 | 480.6  | 480.6 |

TEST NUMBER: P1010791

CATALOG NUMBER: S123RDIP-B1000D365UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1587.1 | 1587.1 | 1587.1 | 1587.1 |
| 2.5°   | 1546.3 | 1555.9 | 1574.9 | 1591.2 |
| 5°     | 1513.7 | 1528.7 | 1557.2 | 1585.8 |
| 7.5°   | 1474.3 | 1497.4 | 1534.1 | 1573.5 |
| 10°    | 1436.3 | 1466.2 | 1511.0 | 1557.2 |
| 12.5°  | 1398.2 | 1429.5 | 1477.0 | 1536.8 |
| 15°    | 1353.4 | 1386.0 | 1443.1 | 1515.1 |
| 17.5°  | 1314.0 | 1357.5 | 1409.1 | 1481.1 |
| 20°    | 1271.9 | 1304.5 | 1371.1 | 1447.2 |
| 22.5°  | 1218.9 | 1273.2 | 1335.7 | 1415.9 |
| 25°    | 1176.7 | 1224.3 | 1286.8 | 1377.9 |
| 27.5°  | 1125.1 | 1180.8 | 1256.9 | 1337.1 |
| 30°    | 1083.0 | 1129.2 | 1199.8 | 1296.3 |
| 32.5°  | 1034.1 | 1088.4 | 1161.8 | 1256.9 |
| 35°    | 990.6  | 1036.8 | 1106.1 | 1202.6 |
| 37.5°  | 939.0  | 989.2  | 1066.7 | 1152.3 |
| 40°    | 894.1  | 943.0  | 1016.4 | 1096.6 |
| 42.5°  | 839.8  | 891.4  | 964.8  | 1032.7 |
| 45°    | 796.3  | 843.8  | 902.3  | 964.8  |
| 47.5°  | 743.3  | 793.6  | 850.6  | 894.1  |
| 50°    | 695.7  | 741.9  | 786.8  | 823.5  |
| 52.5°  | 644.1  | 686.2  | 727.0  | 754.2  |
| 55°    | 596.5  | 629.1  | 661.8  | 680.8  |
| 57.5°  | 540.8  | 572.1  | 599.2  | 610.1  |
| 60°    | 491.9  | 517.7  | 535.4  | 547.6  |
| 62.5°  | 440.3  | 459.3  | 472.9  | 479.7  |
| 65°    | 390.0  | 403.6  | 410.4  | 417.2  |
| 67.5°  | 338.3  | 350.6  | 354.7  | 362.8  |
| 70°    | 284.0  | 297.6  | 300.3  | 304.4  |
| 72.5°  | 243.2  | 243.2  | 248.7  | 254.1  |
| 75°    | 194.3  | 197.0  | 199.7  | 199.7  |
| 77.5°  | 152.2  | 152.2  | 154.9  | 156.3  |
| 80°    | 111.4  | 112.8  | 112.8  | 111.4  |
| 82.5°  | 76.1   | 78.8   | 76.1   | 74.7   |
| 85°    | 42.1   | 47.6   | 44.8   | 44.8   |
| 87.5°  | 17.7   | 17.7   | 20.4   | 17.7   |
| 90°    | 2.7    | 2.0    | 1.2    | 0.4    |
| 92.5°  | 6.8    | 7.3    | 7.7    | 8.2    |
| 95°    | 12.0   | 15.3   | 18.5   | 21.8   |
| 97.5°  | 32.9   | 35.2   | 37.4   | 39.6   |
| 100°   | 65.1   | 63.5   | 61.9   | 60.3   |
| 102.5° | 87.0   | 85.9   | 84.9   | 83.9   |
| 105°   | 109.0  | 108.1  | 107.3  | 106.4  |
| 107.5° | 132.4  | 131.7  | 131.0  | 130.3  |
| 110°   | 156.1  | 155.5  | 154.8  | 154.2  |

TEST NUMBER: P1010791

CATALOG NUMBER: S123RDIP-B1000D365UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 178.8 | 178.2 | 177.7 | 177.1 |
| 115°   | 201.0 | 200.5 | 200.1 | 199.6 |
| 117.5° | 223.4 | 222.8 | 222.3 | 221.7 |
| 120°   | 244.2 | 243.5 | 242.8 | 242.1 |
| 122.5° | 264.5 | 263.9 | 263.4 | 262.8 |
| 125°   | 283.2 | 282.6 | 281.9 | 281.3 |
| 127.5° | 301.8 | 301.2 | 300.5 | 299.9 |
| 130°   | 318.9 | 318.3 | 317.6 | 317.0 |
| 132.5° | 335.4 | 334.7 | 334.1 | 333.5 |
| 135°   | 351.7 | 351.2 | 350.7 | 350.2 |
| 137.5° | 366.4 | 365.8 | 365.1 | 364.5 |
| 140°   | 380.3 | 379.8 | 379.3 | 378.8 |
| 142.5° | 393.5 | 393.0 | 392.5 | 392.0 |
| 145°   | 405.9 | 405.3 | 404.8 | 404.2 |
| 147.5° | 417.1 | 416.7 | 416.3 | 415.9 |
| 150°   | 427.4 | 427.1 | 426.9 | 426.7 |
| 152.5° | 436.5 | 436.4 | 436.4 | 436.3 |
| 155°   | 444.7 | 444.9 | 445.0 | 445.2 |
| 157.5° | 452.4 | 452.4 | 452.4 | 452.4 |
| 160°   | 458.5 | 458.6 | 458.7 | 458.8 |
| 162.5° | 464.2 | 464.4 | 464.7 | 464.9 |
| 165°   | 468.8 | 469.0 | 469.3 | 469.5 |
| 167.5° | 472.5 | 472.8 | 473.1 | 473.4 |
| 170°   | 475.7 | 476.0 | 476.3 | 476.6 |
| 172.5° | 477.6 | 478.0 | 478.4 | 478.8 |
| 175°   | 479.4 | 479.8 | 480.2 | 480.6 |
| 177.5° | 480.1 | 480.5 | 480.9 | 481.3 |
| 180°   | 480.6 | 480.6 | 480.6 | 480.6 |

(END OF REPORT)