

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: P1010426

Luminaire Tested: S123DIP-B1000D365UB2750-4F0-XX-W2A-A\_3500K

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1010426  
REPORT IS A COMBINATION OF REPORTS P989150 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S123DIP-B1000D365UB2750-4F0-XX-W2A-A\_3500K  
Description: Define 3 Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}  
Light Source: -  
Ballast/Driver: -

**Summary**

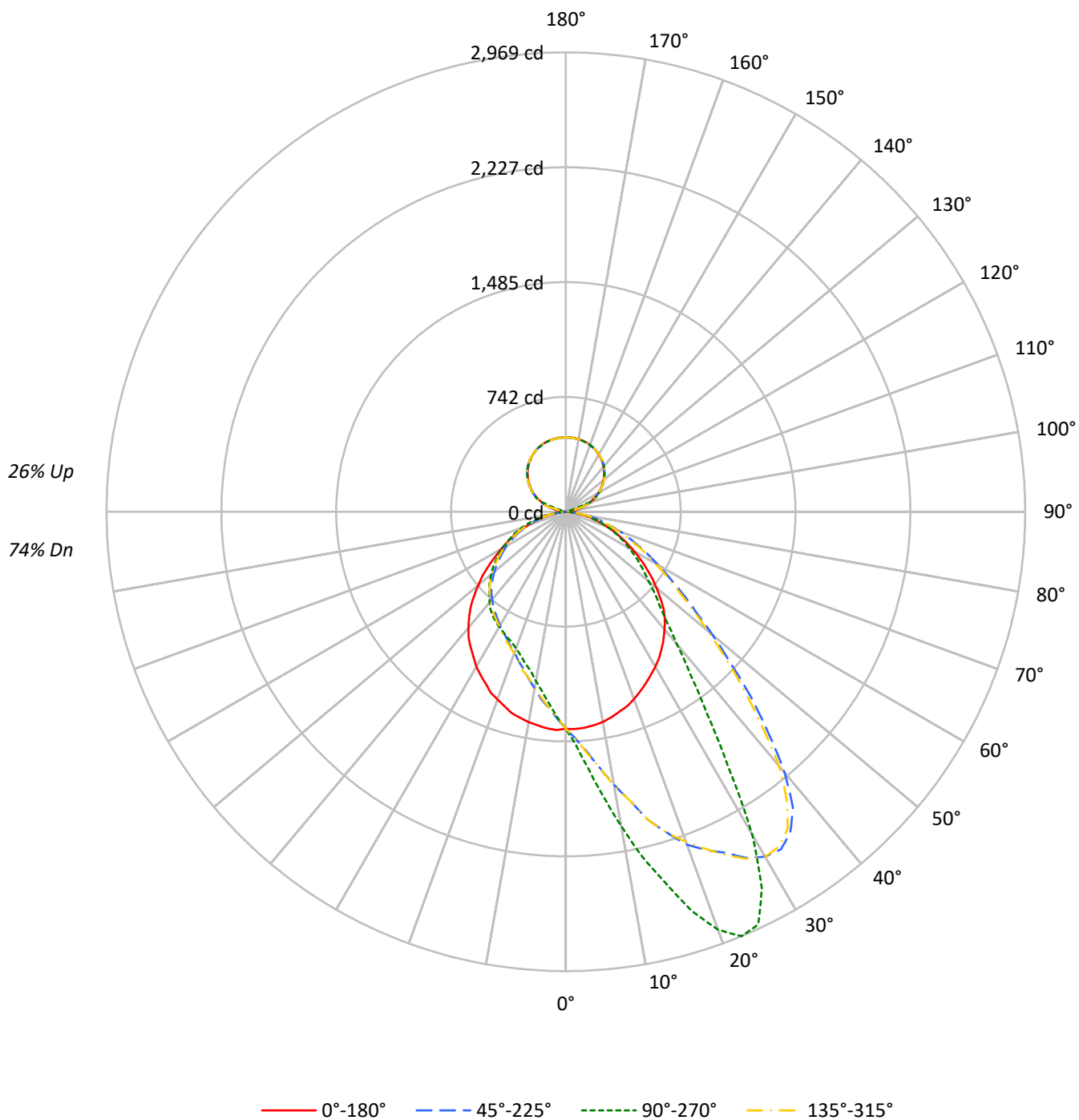
Lumens per Lamp: N/A  
Luminaire Lumens: 5698.0 lumens  
Efficiency: N/A  
Efficacy: 101.6 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 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: P1010426

CATALOG NUMBER: S123DIP-B1000D365UB2750-4F0-XX-W2A-A\_3500K

### Luminous Intensity Polar Plot



TEST NUMBER: P1010426

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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 | 97 | 97 | 97 | 87 | 87 | 87 | 78 | 78 | 78 |    |    | 74 |
| 1   | 104 | 99  | 95  | 92  | 98  | 95  | 91  | 88  | 86 | 83 | 81 | 78 | 76 | 74 | 70 | 69 | 67 |    |    | 63 |
| 2   | 95  | 87  | 81  | 76  | 90  | 83  | 78  | 73  | 76 | 71 | 67 | 69 | 65 | 62 | 62 | 59 | 57 |    |    | 54 |
| 3   | 87  | 77  | 70  | 64  | 82  | 74  | 67  | 61  | 67 | 62 | 57 | 61 | 57 | 53 | 55 | 52 | 49 |    |    | 46 |
| 4   | 80  | 69  | 60  | 54  | 75  | 66  | 58  | 53  | 60 | 54 | 49 | 55 | 50 | 46 | 50 | 46 | 43 |    |    | 40 |
| 5   | 73  | 61  | 53  | 47  | 69  | 59  | 51  | 45  | 54 | 47 | 43 | 49 | 44 | 40 | 45 | 41 | 37 |    |    | 35 |
| 6   | 68  | 55  | 47  | 41  | 64  | 53  | 45  | 40  | 49 | 42 | 37 | 45 | 39 | 35 | 41 | 36 | 33 |    |    | 30 |
| 7   | 63  | 50  | 42  | 36  | 59  | 48  | 41  | 35  | 44 | 38 | 33 | 41 | 35 | 31 | 37 | 33 | 29 |    |    | 27 |
| 8   | 58  | 46  | 38  | 32  | 55  | 44  | 36  | 31  | 40 | 34 | 30 | 37 | 32 | 28 | 34 | 30 | 26 |    |    | 24 |
| 9   | 54  | 42  | 34  | 29  | 52  | 40  | 33  | 28  | 37 | 31 | 27 | 34 | 29 | 25 | 32 | 27 | 24 |    |    | 22 |
| 10  | 51  | 38  | 31  | 26  | 48  | 37  | 30  | 25  | 34 | 28 | 24 | 32 | 27 | 23 | 29 | 25 | 22 |    |    | 20 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 15093 | 15093 | 15093 | 15093 |
| 5°  | 15103 | 17390 | 15147 | 12979 |
| 10° | 15007 | 21044 | 15022 | 11334 |
| 15° | 14800 | 24957 | 14919 | 10202 |
| 20° | 14621 | 28734 | 14652 | 9388  |
| 25° | 14355 | 29457 | 14387 | 8963  |
| 30° | 14167 | 24337 | 14167 | 8685  |
| 35° | 13932 | 16277 | 13844 | 8438  |
| 40° | 13651 | 11750 | 13482 | 8062  |
| 45° | 13298 | 9307  | 12915 | 7594  |
| 50° | 12438 | 7904  | 11998 | 7134  |
| 55° | 11497 | 6945  | 11029 | 6620  |
| 60° | 10542 | 6047  | 9981  | 6083  |
| 65° | 9493  | 5178  | 9031  | 5365  |
| 70° | 8402  | 4299  | 7842  | 4522  |
| 75° | 7186  | 3242  | 6718  | 3490  |
| 80° | 5679  | 2164  | 5239  | 2293  |
| 85° | 3919  | 993   | 3131  | 904   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 24341 cd/sqm

TEST NUMBER: P1010426

CATALOG NUMBER: S123DIP-B1000D365UB2750-4F0-XX-W2A-A\_3500K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 137.9  | 2.4       |
| 10°-20°   | 442.9  | 7.8       |
| 20°-30°   | 745.3  | 13.1      |
| 30°-40°   | 842.2  | 14.8      |
| 40°-50°   | 754.3  | 13.2      |
| 50°-60°   | 608.9  | 10.7      |
| 60°-70°   | 424.3  | 7.4       |
| 70°-80°   | 222.7  | 3.9       |
| 80°-90°   | 54.4   | 1.0       |
| 90°-100°  | 16.9   | 0.3       |
| 100°-110° | 81.9   | 1.4       |
| 110°-120° | 200.8  | 3.5       |
| 120°-130° | 254.9  | 4.5       |
| 130°-140° | 272.3  | 4.8       |
| 140°-150° | 254.6  | 4.5       |
| 150°-160° | 205.4  | 3.6       |
| 160°-170° | 132.5  | 2.3       |
| 170°-180° | 45.7   | 0.8       |
| 0°-30°    | 1326.1 | 23.3      |
| 0°-40°    | 2168.3 | 38.1      |
| 0°-60°    | 3531.6 | 62.0      |
| 0°-90°    | 4233.0 | 74.3      |
| 90°-120°  | 299.6  | 5.3       |
| 90°-150°  | 1081.4 | 19.0      |
| 90°-180°  | 1465.0 | 25.7      |
| 0°-180°   | 5698.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1402 | 1402 | 1402 | 1402 | 1402 |      |
| 5°   | 1401 | 1666 | 1405 | 1243 | 1401 | 133  |
| 15°  | 1337 | 2480 | 1348 | 1014 | 1337 | 378  |
| 25°  | 1223 | 2943 | 1226 | 895  | 1223 | 564  |
| 35°  | 1079 | 1586 | 1072 | 822  | 1079 | 675  |
| 45°  | 895  | 856  | 870  | 698  | 895  | 685  |
| 55°  | 634  | 582  | 609  | 554  | 634  | 568  |
| 65°  | 393  | 378  | 374  | 391  | 393  | 391  |
| 75°  | 189  | 194  | 177  | 209  | 189  | 203  |
| 85°  | 41   | 45   | 33   | 41   | 41   | 47   |
| 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  |      |

TEST NUMBER: P1010426

CATALOG NUMBER: S123DIP-B1000D365UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 |
| 2.5°   | 1406.3 | 1417.1 | 1422.6 | 1430.7 | 1438.9 | 1451.1 | 1455.2 | 1462.0 | 1459.2 | 1464.7 | 1467.4 |
| 5°     | 1400.8 | 1419.8 | 1436.1 | 1456.5 | 1475.5 | 1489.1 | 1502.7 | 1524.5 | 1540.8 | 1543.5 | 1555.7 |
| 7.5°   | 1391.3 | 1418.5 | 1447.0 | 1475.5 | 1512.2 | 1534.0 | 1558.4 | 1588.3 | 1612.8 | 1652.2 | 1667.1 |
| 10°    | 1379.1 | 1417.1 | 1457.9 | 1497.3 | 1547.6 | 1581.5 | 1611.4 | 1661.7 | 1712.0 | 1752.7 | 1790.8 |
| 12.5°  | 1360.1 | 1407.6 | 1460.6 | 1519.0 | 1584.2 | 1623.6 | 1664.4 | 1731.0 | 1807.1 | 1869.6 | 1910.3 |
| 15°    | 1337.0 | 1396.7 | 1464.7 | 1527.2 | 1599.2 | 1672.6 | 1716.0 | 1790.8 | 1899.5 | 1957.9 | 2062.5 |
| 17.5°  | 1317.9 | 1379.1 | 1447.0 | 1544.8 | 1642.7 | 1716.0 | 1747.3 | 1884.5 | 1959.2 | 2057.1 | 2175.3 |
| 20°    | 1288.0 | 1365.5 | 1452.5 | 1550.3 | 1676.6 | 1721.5 | 1785.3 | 1923.9 | 2016.3 | 2144.0 | 2289.4 |
| 22.5°  | 1256.8 | 1339.7 | 1444.3 | 1546.2 | 1687.5 | 1735.1 | 1822.0 | 1932.1 | 2078.8 | 2205.2 | 2365.5 |
| 25°    | 1222.8 | 1312.5 | 1418.5 | 1539.4 | 1678.0 | 1747.3 | 1828.8 | 1964.7 | 2123.6 | 2282.6 | 2430.7 |
| 27.5°  | 1188.9 | 1286.7 | 1396.7 | 1517.7 | 1652.2 | 1733.7 | 1815.2 | 1956.5 | 2160.3 | 2332.9 | 2521.7 |
| 30°    | 1156.3 | 1254.1 | 1364.1 | 1487.8 | 1629.1 | 1707.9 | 1785.3 | 1962.0 | 2188.9 | 2383.2 | 2573.4 |
| 32.5°  | 1120.9 | 1221.5 | 1337.0 | 1440.2 | 1582.9 | 1667.1 | 1754.1 | 1962.0 | 2206.5 | 2413.1 | 2587.0 |
| 35°    | 1078.8 | 1182.1 | 1281.3 | 1384.5 | 1525.8 | 1619.6 | 1717.4 | 1948.4 | 2222.8 | 2422.6 | 2529.9 |
| 37.5°  | 1038.0 | 1129.1 | 1214.7 | 1315.2 | 1463.3 | 1563.9 | 1676.6 | 1932.1 | 2214.7 | 2381.8 | 2411.7 |
| 40°    | 991.9  | 1082.9 | 1152.2 | 1245.9 | 1402.2 | 1519.0 | 1633.2 | 1910.3 | 2179.4 | 2285.3 | 2198.4 |
| 42.5°  | 947.0  | 1019.0 | 1078.8 | 1169.8 | 1339.7 | 1453.8 | 1577.5 | 1870.9 | 2110.1 | 2131.8 | 1936.1 |
| 45°    | 895.4  | 947.0  | 1000.0 | 1103.3 | 1271.7 | 1388.6 | 1525.8 | 1813.9 | 1998.6 | 1936.1 | 1688.9 |
| 47.5°  | 828.8  | 875.0  | 933.4  | 1028.5 | 1199.7 | 1320.7 | 1451.1 | 1740.5 | 1837.0 | 1706.5 | 1436.1 |
| 50°    | 764.9  | 804.4  | 858.7  | 951.1  | 1123.6 | 1241.9 | 1380.4 | 1625.0 | 1672.6 | 1467.4 | 1237.8 |
| 52.5°  | 701.1  | 731.0  | 784.0  | 876.4  | 1048.9 | 1163.0 | 1289.4 | 1506.8 | 1479.6 | 1259.5 | 1055.7 |
| 55°    | 634.5  | 660.3  | 710.6  | 801.6  | 962.0  | 1070.7 | 1191.6 | 1361.4 | 1290.8 | 1081.5 | 918.5  |
| 57.5°  | 569.3  | 596.5  | 648.1  | 724.2  | 875.0  | 981.0  | 1077.4 | 1210.6 | 1104.6 | 937.5  | 793.5  |
| 60°    | 510.9  | 534.0  | 573.4  | 648.1  | 785.3  | 870.9  | 959.2  | 1050.3 | 962.0  | 800.3  | 690.2  |
| 62.5°  | 449.7  | 471.5  | 508.2  | 576.1  | 694.3  | 770.4  | 841.0  | 915.8  | 817.9  | 699.7  | 601.9  |
| 65°    | 392.7  | 410.3  | 444.3  | 506.8  | 603.3  | 665.8  | 722.8  | 774.5  | 695.7  | 587.0  | 513.6  |
| 67.5°  | 341.0  | 356.0  | 384.5  | 440.2  | 521.7  | 566.6  | 612.8  | 656.3  | 589.7  | 502.7  | 440.2  |
| 70°    | 285.3  | 297.6  | 323.4  | 364.1  | 429.3  | 475.5  | 509.5  | 542.1  | 482.3  | 413.0  | 370.9  |
| 72.5°  | 236.4  | 248.6  | 264.9  | 307.1  | 351.9  | 380.4  | 417.1  | 434.8  | 400.8  | 343.8  | 301.6  |
| 75°    | 188.9  | 198.4  | 213.3  | 240.5  | 282.6  | 301.6  | 324.7  | 338.3  | 307.1  | 269.0  | 243.2  |
| 77.5°  | 148.1  | 152.2  | 163.0  | 182.1  | 210.6  | 232.3  | 250.0  | 258.2  | 236.4  | 212.0  | 190.2  |
| 80°    | 104.6  | 110.1  | 118.2  | 134.5  | 156.3  | 163.0  | 173.9  | 183.4  | 169.8  | 148.1  | 134.5  |
| 82.5°  | 69.3   | 76.1   | 80.2   | 87.0   | 100.5  | 108.7  | 111.4  | 119.6  | 107.3  | 99.2   | 93.8   |
| 85°    | 40.8   | 43.5   | 44.8   | 48.9   | 55.7   | 59.8   | 63.9   | 65.2   | 62.5   | 61.1   | 55.7   |
| 87.5°  | 20.4   | 20.4   | 20.4   | 23.1   | 24.5   | 27.2   | 28.5   | 28.5   | 28.5   | 27.2   | 25.8   |
| 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  |

TEST NUMBER: P1010426

CATALOG NUMBER: S123DIP-B1000D365UB2750-4F0-XX-W2A-A\_3500K

**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 |

TEST NUMBER: P1010426

CATALOG NUMBER: S123DIP-B1000D365UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 |
| 2.5°   | 1476.9 | 1479.6 | 1489.1 | 1495.9 | 1509.5 | 1508.2 | 1508.2 | 1506.8 | 1502.7 | 1509.5 | 1513.6 |
| 5°     | 1580.2 | 1603.3 | 1606.0 | 1635.9 | 1637.2 | 1649.5 | 1657.6 | 1650.8 | 1667.1 | 1665.8 | 1653.5 |
| 7.5°   | 1707.9 | 1739.1 | 1754.1 | 1782.6 | 1815.2 | 1807.1 | 1838.3 | 1843.8 | 1841.0 | 1854.6 | 1864.1 |
| 10°    | 1847.8 | 1902.2 | 1940.2 | 1993.2 | 2006.8 | 2015.0 | 2035.3 | 2053.0 | 2088.3 | 2061.1 | 2078.8 |
| 12.5°  | 2008.2 | 2047.6 | 2097.8 | 2182.1 | 2224.2 | 2251.4 | 2260.9 | 2273.1 | 2297.6 | 2282.6 | 2284.0 |
| 15°    | 2142.7 | 2195.7 | 2281.3 | 2385.9 | 2398.1 | 2432.1 | 2423.9 | 2497.3 | 2532.6 | 2479.6 | 2509.5 |
| 17.5°  | 2282.6 | 2353.3 | 2455.2 | 2546.2 | 2597.8 | 2620.9 | 2642.7 | 2713.3 | 2710.6 | 2702.5 | 2709.2 |
| 20°    | 2372.3 | 2487.8 | 2614.1 | 2735.1 | 2750.0 | 2767.7 | 2826.1 | 2856.0 | 2850.6 | 2873.7 | 2888.6 |
| 22.5°  | 2498.6 | 2620.9 | 2755.4 | 2835.6 | 2869.6 | 2890.0 | 2936.2 | 2955.2 | 2963.3 | 2968.8 | 2959.2 |
| 25°    | 2604.6 | 2735.1 | 2834.2 | 2904.9 | 2925.3 | 2936.2 | 2951.1 | 2956.5 | 2952.5 | 2942.9 | 2951.1 |
| 27.5°  | 2676.6 | 2781.3 | 2849.2 | 2881.8 | 2870.9 | 2853.3 | 2824.7 | 2805.7 | 2763.6 | 2743.2 | 2767.7 |
| 30°    | 2706.5 | 2752.7 | 2773.1 | 2718.8 | 2664.4 | 2620.9 | 2566.6 | 2466.0 | 2387.2 | 2410.3 | 2379.1 |
| 32.5°  | 2659.0 | 2629.1 | 2531.3 | 2391.3 | 2349.2 | 2278.5 | 2125.0 | 2006.8 | 2010.9 | 1948.4 | 1974.2 |
| 35°    | 2519.0 | 2383.2 | 2198.4 | 1986.4 | 1930.7 | 1892.7 | 1724.2 | 1698.4 | 1644.0 | 1585.6 | 1601.9 |
| 37.5°  | 2271.7 | 2073.4 | 1849.2 | 1692.9 | 1610.1 | 1527.2 | 1432.1 | 1375.0 | 1342.4 | 1317.9 | 1337.0 |
| 40°    | 1970.1 | 1728.3 | 1543.5 | 1403.5 | 1332.9 | 1279.9 | 1214.7 | 1157.6 | 1120.9 | 1116.9 | 1123.6 |
| 42.5°  | 1673.9 | 1470.1 | 1300.3 | 1167.1 | 1144.0 | 1081.5 | 1039.4 | 994.6  | 983.7  | 966.0  | 975.5  |
| 45°    | 1417.1 | 1251.4 | 1111.4 | 1002.7 | 975.5  | 959.2  | 907.6  | 879.1  | 866.9  | 856.0  | 872.3  |
| 47.5°  | 1231.0 | 1057.1 | 955.2  | 889.9  | 862.8  | 835.6  | 807.1  | 788.0  | 778.5  | 779.9  | 778.5  |
| 50°    | 1051.6 | 923.9  | 834.2  | 784.0  | 767.7  | 748.6  | 725.5  | 713.3  | 709.2  | 697.0  | 706.5  |
| 52.5°  | 904.9  | 812.5  | 750.0  | 702.4  | 690.2  | 676.6  | 657.6  | 650.8  | 641.3  | 638.6  | 638.6  |
| 55°    | 786.7  | 714.7  | 664.4  | 633.2  | 618.2  | 607.3  | 596.5  | 588.3  | 581.5  | 581.5  | 581.5  |
| 57.5°  | 694.3  | 631.8  | 595.1  | 567.9  | 562.5  | 551.6  | 539.4  | 539.4  | 529.9  | 528.5  | 532.6  |
| 60°    | 615.5  | 559.8  | 531.3  | 508.2  | 500.0  | 497.3  | 485.1  | 485.1  | 482.3  | 475.5  | 481.0  |
| 62.5°  | 535.3  | 494.6  | 470.1  | 452.4  | 444.3  | 444.3  | 434.8  | 428.0  | 428.0  | 429.3  | 426.6  |
| 65°    | 462.0  | 432.1  | 410.3  | 396.7  | 392.7  | 387.2  | 385.9  | 380.4  | 376.4  | 377.7  | 376.4  |
| 67.5°  | 396.7  | 373.6  | 358.7  | 347.8  | 341.0  | 338.3  | 334.2  | 334.2  | 331.5  | 332.9  | 326.1  |
| 70°    | 338.3  | 315.2  | 303.0  | 292.1  | 289.4  | 289.4  | 284.0  | 285.3  | 282.6  | 286.7  | 284.0  |
| 72.5°  | 278.5  | 260.9  | 251.4  | 247.3  | 244.6  | 243.2  | 240.5  | 237.8  | 236.4  | 239.1  | 237.8  |
| 75°    | 225.5  | 210.6  | 203.8  | 201.1  | 198.4  | 198.4  | 197.0  | 195.7  | 194.3  | 194.3  | 194.3  |
| 77.5°  | 175.3  | 165.8  | 157.6  | 160.3  | 156.3  | 157.6  | 153.5  | 153.5  | 154.9  | 153.5  | 153.5  |
| 80°    | 129.1  | 122.3  | 122.3  | 119.6  | 114.1  | 116.8  | 116.8  | 112.8  | 111.4  | 114.1  | 110.1  |
| 82.5°  | 85.6   | 84.2   | 81.5   | 80.2   | 77.4   | 78.8   | 77.4   | 76.1   | 74.7   | 77.4   | 74.7   |
| 85°    | 50.3   | 50.3   | 48.9   | 46.2   | 48.9   | 47.6   | 46.2   | 46.2   | 44.8   | 44.8   | 44.8   |
| 87.5°  | 25.8   | 23.1   | 23.1   | 21.7   | 23.1   | 20.4   | 21.7   | 20.4   | 19.0   | 20.4   | 19.0   |
| 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: P1010426

CATALOG NUMBER: S123DIP-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: P1010426

CATALOG NUMBER: S123DIP-B1000D365UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 |
| 2.5°   | 1502.7 | 1506.8 | 1495.9 | 1493.2 | 1493.2 | 1498.6 | 1494.6 | 1457.9 | 1464.7 | 1456.5 | 1453.8 |
| 5°     | 1668.5 | 1660.3 | 1649.5 | 1644.0 | 1637.2 | 1618.2 | 1616.9 | 1574.7 | 1566.6 | 1539.4 | 1527.2 |
| 7.5°   | 1850.5 | 1843.8 | 1811.1 | 1807.1 | 1804.4 | 1786.7 | 1741.9 | 1697.0 | 1664.4 | 1633.2 | 1603.3 |
| 10°    | 2058.4 | 2038.1 | 2023.1 | 1993.2 | 1978.3 | 1953.8 | 1895.4 | 1853.3 | 1797.6 | 1750.0 | 1687.5 |
| 12.5°  | 2308.4 | 2285.3 | 2235.1 | 2213.3 | 2194.3 | 2126.4 | 2067.9 | 2020.4 | 1911.7 | 1879.1 | 1801.6 |
| 15°    | 2491.9 | 2442.9 | 2437.5 | 2390.0 | 2387.2 | 2312.5 | 2201.1 | 2149.5 | 2065.2 | 1945.7 | 1865.5 |
| 17.5°  | 2690.2 | 2646.7 | 2612.8 | 2555.7 | 2547.6 | 2476.9 | 2395.4 | 2269.0 | 2176.6 | 2062.5 | 1960.6 |
| 20°    | 2835.6 | 2812.5 | 2754.1 | 2731.0 | 2683.4 | 2623.6 | 2539.4 | 2383.2 | 2270.4 | 2156.3 | 2031.3 |
| 22.5°  | 2951.1 | 2928.0 | 2881.8 | 2850.6 | 2823.4 | 2745.9 | 2645.4 | 2512.2 | 2357.3 | 2207.9 | 2078.8 |
| 25°    | 2949.7 | 2942.9 | 2923.9 | 2909.0 | 2888.6 | 2831.5 | 2747.3 | 2619.6 | 2447.0 | 2282.6 | 2103.3 |
| 27.5°  | 2782.6 | 2801.6 | 2834.2 | 2850.6 | 2846.5 | 2838.3 | 2790.8 | 2683.4 | 2528.5 | 2332.9 | 2131.8 |
| 30°    | 2434.8 | 2504.1 | 2565.2 | 2646.7 | 2671.2 | 2731.0 | 2758.2 | 2697.0 | 2573.4 | 2391.3 | 2168.5 |
| 32.5°  | 2019.0 | 2119.6 | 2252.7 | 2297.6 | 2375.0 | 2490.5 | 2619.6 | 2642.7 | 2565.2 | 2425.3 | 2191.6 |
| 35°    | 1656.3 | 1739.1 | 1842.4 | 1913.0 | 1982.3 | 2169.8 | 2332.9 | 2474.2 | 2500.0 | 2407.6 | 2186.1 |
| 37.5°  | 1370.9 | 1429.4 | 1520.4 | 1580.2 | 1644.0 | 1804.4 | 2032.6 | 2216.0 | 2345.1 | 2347.8 | 2171.2 |
| 40°    | 1164.4 | 1190.2 | 1269.0 | 1312.5 | 1373.6 | 1512.2 | 1716.0 | 1955.2 | 2144.0 | 2231.0 | 2131.8 |
| 42.5°  | 986.4  | 1020.4 | 1085.6 | 1118.2 | 1157.6 | 1278.5 | 1413.0 | 1640.0 | 1873.6 | 2059.8 | 2058.4 |
| 45°    | 880.4  | 904.9  | 934.8  | 962.0  | 1006.8 | 1078.8 | 1232.3 | 1402.2 | 1626.4 | 1837.0 | 1919.8 |
| 47.5°  | 786.7  | 809.8  | 839.7  | 847.8  | 877.7  | 945.7  | 1039.4 | 1187.5 | 1396.7 | 1606.0 | 1762.2 |
| 50°    | 707.9  | 726.9  | 747.3  | 762.2  | 775.8  | 831.5  | 902.2  | 1027.2 | 1194.3 | 1396.7 | 1591.0 |
| 52.5°  | 646.7  | 660.3  | 678.0  | 686.1  | 698.4  | 739.1  | 793.5  | 885.9  | 1023.1 | 1207.9 | 1396.7 |
| 55°    | 589.7  | 599.2  | 610.1  | 623.6  | 629.1  | 659.0  | 701.1  | 779.9  | 881.8  | 1047.6 | 1226.9 |
| 57.5°  | 536.7  | 540.8  | 547.6  | 555.7  | 562.5  | 588.3  | 625.0  | 678.0  | 767.7  | 895.4  | 1065.2 |
| 60°    | 476.9  | 487.8  | 491.8  | 500.0  | 504.1  | 524.5  | 553.0  | 597.8  | 667.1  | 777.2  | 904.9  |
| 62.5°  | 426.6  | 433.4  | 440.2  | 444.3  | 453.8  | 460.6  | 483.7  | 524.5  | 581.5  | 663.0  | 778.5  |
| 65°    | 381.8  | 384.5  | 388.6  | 392.7  | 395.4  | 403.5  | 425.3  | 452.4  | 495.9  | 567.9  | 657.6  |
| 67.5°  | 330.2  | 332.9  | 338.3  | 339.7  | 342.4  | 353.3  | 365.5  | 388.6  | 425.3  | 479.6  | 553.0  |
| 70°    | 279.9  | 284.0  | 286.7  | 289.4  | 293.5  | 297.6  | 311.1  | 330.2  | 358.7  | 396.7  | 453.8  |
| 72.5°  | 236.4  | 240.5  | 240.5  | 243.2  | 241.8  | 247.3  | 260.9  | 274.5  | 293.5  | 324.7  | 375.0  |
| 75°    | 192.9  | 192.9  | 195.7  | 197.0  | 198.4  | 203.8  | 209.2  | 220.1  | 235.1  | 259.5  | 290.8  |
| 77.5°  | 152.2  | 150.8  | 153.5  | 153.5  | 153.5  | 157.6  | 163.0  | 168.5  | 178.0  | 195.7  | 220.1  |
| 80°    | 111.4  | 111.4  | 114.1  | 115.5  | 112.8  | 114.1  | 116.8  | 122.3  | 129.1  | 141.3  | 154.9  |
| 82.5°  | 73.4   | 78.8   | 77.4   | 78.8   | 77.4   | 80.2   | 81.5   | 82.9   | 85.6   | 91.0   | 100.5  |
| 85°    | 44.8   | 44.8   | 44.8   | 46.2   | 44.8   | 46.2   | 46.2   | 46.2   | 47.6   | 50.3   | 54.3   |
| 87.5°  | 19.0   | 19.0   | 19.0   | 20.4   | 19.0   | 19.0   | 20.4   | 19.0   | 20.4   | 20.4   | 21.7   |
| 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: P1010426

CATALOG NUMBER: S123DIP-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 |

TEST NUMBER: P1010426

CATALOG NUMBER: S123DIP-B1000D365UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 |
| 2.5°   | 1440.2 | 1436.1 | 1436.1 | 1433.4 | 1425.3 | 1410.3 | 1409.0 | 1411.7 | 1403.5 | 1395.4 | 1383.2 |
| 5°     | 1510.9 | 1485.1 | 1476.9 | 1468.8 | 1452.5 | 1425.3 | 1414.4 | 1404.9 | 1390.0 | 1372.3 | 1353.3 |
| 7.5°   | 1570.7 | 1534.0 | 1523.1 | 1508.2 | 1475.5 | 1437.5 | 1413.0 | 1392.7 | 1372.3 | 1347.8 | 1324.7 |
| 10°    | 1645.4 | 1592.4 | 1566.6 | 1544.8 | 1500.0 | 1447.0 | 1410.3 | 1380.4 | 1347.8 | 1317.9 | 1288.0 |
| 12.5°  | 1729.6 | 1644.0 | 1635.9 | 1582.9 | 1531.3 | 1452.5 | 1407.6 | 1364.1 | 1320.7 | 1284.0 | 1252.7 |
| 15°    | 1800.3 | 1706.5 | 1672.6 | 1637.2 | 1538.0 | 1440.2 | 1396.7 | 1347.8 | 1297.6 | 1258.2 | 1212.0 |
| 17.5°  | 1845.1 | 1767.7 | 1695.7 | 1648.1 | 1544.8 | 1457.9 | 1373.6 | 1317.9 | 1264.9 | 1210.6 | 1172.6 |
| 20°    | 1899.5 | 1786.7 | 1724.2 | 1660.3 | 1558.4 | 1444.3 | 1360.1 | 1290.8 | 1225.5 | 1176.6 | 1130.4 |
| 22.5°  | 1953.8 | 1801.6 | 1750.0 | 1680.7 | 1561.1 | 1430.7 | 1335.6 | 1266.3 | 1191.6 | 1142.7 | 1092.4 |
| 25°    | 1948.4 | 1823.4 | 1737.8 | 1679.4 | 1534.0 | 1418.5 | 1307.1 | 1225.5 | 1156.3 | 1093.8 | 1043.5 |
| 27.5°  | 1952.5 | 1798.9 | 1712.0 | 1644.0 | 1515.0 | 1400.8 | 1277.2 | 1191.6 | 1119.6 | 1054.4 | 1001.4 |
| 30°    | 1953.8 | 1762.2 | 1686.1 | 1604.6 | 1479.6 | 1358.7 | 1243.2 | 1156.3 | 1080.2 | 1009.5 | 962.0  |
| 32.5°  | 1949.7 | 1732.3 | 1637.2 | 1563.9 | 1423.9 | 1317.9 | 1203.8 | 1111.4 | 1034.0 | 968.8  | 923.9  |
| 35°    | 1940.2 | 1697.0 | 1587.0 | 1494.6 | 1366.9 | 1259.5 | 1167.1 | 1072.0 | 989.1  | 929.4  | 877.7  |
| 37.5°  | 1914.4 | 1659.0 | 1534.0 | 1442.9 | 1300.3 | 1191.6 | 1110.1 | 1031.3 | 951.1  | 880.4  | 837.0  |
| 40°    | 1895.4 | 1607.3 | 1481.0 | 1381.8 | 1228.3 | 1122.3 | 1054.4 | 979.6  | 900.8  | 837.0  | 794.8  |
| 42.5°  | 1851.9 | 1558.4 | 1426.6 | 1308.4 | 1157.6 | 1048.9 | 985.1  | 925.3  | 857.3  | 794.8  | 756.8  |
| 45°    | 1781.3 | 1505.4 | 1360.1 | 1240.5 | 1080.2 | 976.9  | 918.5  | 869.6  | 809.8  | 750.0  | 712.0  |
| 47.5°  | 1682.1 | 1429.4 | 1289.4 | 1169.8 | 1004.1 | 899.5  | 841.0  | 804.4  | 756.8  | 706.5  | 673.9  |
| 50°    | 1574.7 | 1346.5 | 1217.4 | 1099.2 | 930.7  | 828.8  | 771.7  | 737.8  | 706.5  | 660.3  | 629.1  |
| 52.5°  | 1434.8 | 1258.2 | 1134.5 | 1021.7 | 851.9  | 754.1  | 703.8  | 679.4  | 646.7  | 614.1  | 587.0  |
| 55°    | 1298.9 | 1144.0 | 1042.1 | 934.8  | 774.5  | 683.4  | 634.5  | 608.7  | 589.7  | 562.5  | 540.8  |
| 57.5°  | 1141.3 | 1038.0 | 944.3  | 846.5  | 702.4  | 619.6  | 573.4  | 542.1  | 529.9  | 517.7  | 497.3  |
| 60°    | 995.9  | 917.1  | 841.0  | 759.5  | 627.7  | 553.0  | 508.2  | 483.7  | 471.5  | 463.3  | 449.7  |
| 62.5°  | 862.8  | 801.6  | 736.4  | 671.2  | 551.6  | 483.7  | 449.7  | 425.3  | 414.4  | 413.0  | 400.8  |
| 65°    | 735.1  | 691.6  | 638.6  | 574.7  | 481.0  | 421.2  | 388.6  | 373.6  | 361.4  | 361.4  | 351.9  |
| 67.5°  | 607.3  | 577.4  | 535.3  | 490.5  | 417.1  | 361.4  | 331.5  | 317.9  | 311.1  | 311.1  | 304.3  |
| 70°    | 505.4  | 485.1  | 447.0  | 407.6  | 343.8  | 301.6  | 278.5  | 266.3  | 262.2  | 263.6  | 258.2  |
| 72.5°  | 410.3  | 388.6  | 357.3  | 328.8  | 281.3  | 250.0  | 233.7  | 220.1  | 213.3  | 214.7  | 213.3  |
| 75°    | 317.9  | 307.1  | 279.9  | 258.2  | 220.1  | 198.4  | 183.4  | 176.6  | 171.2  | 172.6  | 169.8  |
| 77.5°  | 239.1  | 222.8  | 207.9  | 192.9  | 169.8  | 152.2  | 139.9  | 133.2  | 129.1  | 129.1  | 129.1  |
| 80°    | 163.0  | 160.3  | 148.1  | 139.9  | 120.9  | 107.3  | 97.8   | 96.5   | 92.4   | 92.4   | 92.4   |
| 82.5°  | 106.0  | 99.2   | 92.4   | 87.0   | 76.1   | 67.9   | 63.9   | 61.1   | 59.8   | 58.4   | 61.1   |
| 85°    | 58.4   | 54.3   | 51.6   | 46.2   | 42.1   | 38.0   | 34.0   | 32.6   | 31.3   | 32.6   | 31.3   |
| 87.5°  | 23.1   | 19.0   | 19.0   | 17.7   | 16.3   | 14.9   | 14.9   | 12.2   | 12.2   | 10.9   | 10.9   |
| 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: P1010426

CATALOG NUMBER: S123DIP-B1000D365UB2750-4F0-XX-W2A-A\_3500K

**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: P1010426

CATALOG NUMBER: S123DIP-B1000D365UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 |
| 2.5°   | 1380.4 | 1379.1 | 1381.8 | 1373.6 | 1360.1 | 1353.3 | 1334.2 | 1330.2 | 1328.8 | 1330.2 | 1331.5 |
| 5°     | 1342.4 | 1341.0 | 1337.0 | 1323.4 | 1307.1 | 1294.8 | 1271.7 | 1270.4 | 1262.2 | 1254.1 | 1258.2 |
| 7.5°   | 1305.7 | 1300.3 | 1292.1 | 1274.5 | 1252.7 | 1239.1 | 1220.1 | 1206.5 | 1195.7 | 1188.9 | 1183.4 |
| 10°    | 1269.0 | 1260.9 | 1252.7 | 1229.6 | 1202.4 | 1182.1 | 1159.0 | 1148.1 | 1135.9 | 1130.4 | 1125.0 |
| 12.5°  | 1221.5 | 1213.3 | 1198.4 | 1171.2 | 1154.9 | 1129.1 | 1106.0 | 1095.1 | 1088.3 | 1077.4 | 1070.7 |
| 15°    | 1183.4 | 1167.1 | 1159.0 | 1130.4 | 1096.5 | 1093.8 | 1051.6 | 1048.9 | 1035.3 | 1035.3 | 1024.5 |
| 17.5°  | 1139.9 | 1127.7 | 1112.8 | 1084.2 | 1059.8 | 1035.3 | 1013.6 | 1005.4 | 993.2  | 990.5  | 985.1  |
| 20°    | 1097.8 | 1081.5 | 1076.1 | 1047.6 | 1021.7 | 991.9  | 968.8  | 960.6  | 955.2  | 949.7  | 953.8  |
| 22.5°  | 1054.4 | 1040.8 | 1027.2 | 1001.4 | 982.3  | 952.4  | 938.9  | 930.7  | 922.6  | 919.8  | 921.2  |
| 25°    | 1012.2 | 1000.0 | 986.4  | 960.6  | 940.2  | 915.8  | 903.5  | 899.5  | 895.4  | 895.4  | 894.0  |
| 27.5°  | 971.5  | 959.2  | 947.0  | 923.9  | 903.5  | 885.9  | 876.4  | 872.3  | 868.2  | 870.9  | 873.6  |
| 30°    | 929.4  | 918.5  | 907.6  | 887.2  | 870.9  | 854.6  | 849.2  | 846.5  | 845.1  | 851.9  | 851.9  |
| 32.5°  | 891.3  | 881.8  | 873.6  | 854.6  | 838.3  | 824.7  | 820.7  | 822.0  | 823.4  | 827.4  | 830.2  |
| 35°    | 851.9  | 845.1  | 837.0  | 820.7  | 807.1  | 794.8  | 796.2  | 796.2  | 798.9  | 805.7  | 811.1  |
| 37.5°  | 816.6  | 807.1  | 800.3  | 786.7  | 775.8  | 764.9  | 769.0  | 773.1  | 775.8  | 784.0  | 786.7  |
| 40°    | 774.5  | 770.4  | 764.9  | 751.4  | 741.9  | 740.5  | 741.9  | 744.6  | 750.0  | 754.1  | 758.2  |
| 42.5°  | 740.5  | 735.1  | 728.3  | 717.4  | 709.2  | 710.6  | 712.0  | 714.7  | 717.4  | 724.2  | 728.3  |
| 45°    | 702.4  | 698.4  | 692.9  | 683.4  | 676.6  | 678.0  | 679.4  | 679.4  | 682.1  | 690.2  | 692.9  |
| 47.5°  | 660.3  | 661.7  | 654.9  | 645.4  | 641.3  | 641.3  | 641.3  | 644.0  | 650.8  | 653.5  | 654.9  |
| 50°    | 619.6  | 616.8  | 615.5  | 606.0  | 603.3  | 601.9  | 603.3  | 604.6  | 614.1  | 612.8  | 616.8  |
| 52.5°  | 576.1  | 576.1  | 574.7  | 569.3  | 565.2  | 565.2  | 562.5  | 569.3  | 572.0  | 574.7  | 578.8  |
| 55°    | 534.0  | 529.9  | 528.5  | 525.8  | 520.4  | 519.0  | 521.7  | 529.9  | 532.6  | 535.3  | 539.4  |
| 57.5°  | 487.8  | 487.8  | 485.1  | 481.0  | 481.0  | 481.0  | 481.0  | 486.4  | 490.5  | 493.2  | 501.4  |
| 60°    | 445.7  | 440.2  | 436.1  | 436.1  | 436.1  | 434.8  | 442.9  | 442.9  | 451.1  | 452.4  | 455.2  |
| 62.5°  | 395.4  | 392.7  | 389.9  | 391.3  | 389.9  | 392.7  | 395.4  | 400.8  | 402.2  | 406.3  | 410.3  |
| 65°    | 347.8  | 347.8  | 345.1  | 353.3  | 347.8  | 347.8  | 354.6  | 354.6  | 357.3  | 361.4  | 366.8  |
| 67.5°  | 301.6  | 303.0  | 300.3  | 300.3  | 303.0  | 304.3  | 305.7  | 311.1  | 312.5  | 317.9  | 324.7  |
| 70°    | 254.1  | 256.8  | 258.2  | 255.4  | 258.2  | 260.9  | 263.6  | 264.9  | 270.4  | 273.1  | 277.2  |
| 72.5°  | 212.0  | 214.7  | 210.6  | 212.0  | 213.3  | 216.0  | 217.4  | 220.1  | 222.8  | 231.0  | 233.7  |
| 75°    | 169.8  | 168.5  | 167.1  | 172.6  | 169.8  | 175.3  | 176.6  | 176.6  | 179.3  | 186.1  | 188.9  |
| 77.5°  | 130.4  | 130.4  | 131.8  | 129.1  | 133.2  | 131.8  | 133.2  | 137.2  | 141.3  | 141.3  | 152.2  |
| 80°    | 91.0   | 93.8   | 93.8   | 93.8   | 95.1   | 96.5   | 93.8   | 100.5  | 101.9  | 101.9  | 106.0  |
| 82.5°  | 58.4   | 59.8   | 58.4   | 61.1   | 61.1   | 63.9   | 62.5   | 63.9   | 66.6   | 69.3   | 70.7   |
| 85°    | 31.3   | 31.3   | 34.0   | 34.0   | 32.6   | 34.0   | 32.6   | 34.0   | 36.7   | 36.7   | 38.0   |
| 87.5°  | 10.9   | 10.9   | 10.9   | 10.9   | 12.2   | 10.9   | 12.2   | 12.2   | 10.9   | 10.9   | 14.9   |
| 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: P1010426

CATALOG NUMBER: S123DIP-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: P1010426

CATALOG NUMBER: S123DIP-B1000D365UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 |
| 2.5°   | 1330.2 | 1331.5 | 1326.1 | 1322.0 | 1332.9 | 1326.1 | 1326.1 | 1327.5 | 1324.7 | 1328.8 | 1327.5 |
| 5°     | 1255.4 | 1256.8 | 1247.3 | 1250.0 | 1244.6 | 1243.2 | 1241.9 | 1250.0 | 1248.6 | 1247.3 | 1250.0 |
| 7.5°   | 1182.1 | 1182.1 | 1178.0 | 1175.3 | 1175.3 | 1171.2 | 1176.6 | 1175.3 | 1178.0 | 1178.0 | 1182.1 |
| 10°    | 1120.9 | 1123.6 | 1116.9 | 1110.1 | 1108.7 | 1110.1 | 1110.1 | 1111.4 | 1112.8 | 1122.3 | 1120.9 |
| 12.5°  | 1070.7 | 1066.6 | 1065.2 | 1061.1 | 1054.4 | 1051.6 | 1048.9 | 1063.9 | 1059.8 | 1059.8 | 1059.8 |
| 15°    | 1014.9 | 1024.5 | 1023.1 | 1010.9 | 1008.2 | 1013.6 | 1010.9 | 1010.9 | 1024.5 | 1023.1 | 1021.7 |
| 17.5°  | 985.1  | 982.3  | 979.6  | 972.8  | 974.2  | 972.8  | 974.2  | 974.2  | 982.3  | 982.3  | 982.3  |
| 20°    | 951.1  | 945.7  | 945.7  | 942.9  | 942.9  | 938.9  | 944.3  | 945.7  | 951.1  | 951.1  | 952.4  |
| 22.5°  | 921.2  | 917.1  | 917.1  | 915.8  | 918.5  | 913.0  | 918.5  | 919.8  | 919.8  | 923.9  | 923.9  |
| 25°    | 895.4  | 892.7  | 892.7  | 895.4  | 895.4  | 895.4  | 895.4  | 900.8  | 896.7  | 898.1  | 896.7  |
| 27.5°  | 872.3  | 873.6  | 875.0  | 876.4  | 875.0  | 876.4  | 877.7  | 880.4  | 881.8  | 880.4  | 877.7  |
| 30°    | 850.5  | 854.6  | 856.0  | 856.0  | 858.7  | 860.1  | 861.4  | 861.4  | 862.8  | 858.7  | 861.4  |
| 32.5°  | 834.2  | 834.2  | 837.0  | 838.3  | 841.0  | 842.4  | 842.4  | 845.1  | 843.8  | 839.7  | 841.0  |
| 35°    | 811.1  | 811.1  | 816.6  | 819.3  | 823.4  | 822.0  | 823.4  | 823.4  | 824.7  | 822.0  | 817.9  |
| 37.5°  | 788.0  | 790.8  | 790.8  | 796.2  | 797.6  | 798.9  | 797.6  | 800.3  | 798.9  | 796.2  | 794.8  |
| 40°    | 760.9  | 759.5  | 760.9  | 764.9  | 766.3  | 766.3  | 766.3  | 769.0  | 769.0  | 769.0  | 767.7  |
| 42.5°  | 726.9  | 731.0  | 729.6  | 733.7  | 732.3  | 732.3  | 735.1  | 737.8  | 739.1  | 735.1  | 736.4  |
| 45°    | 694.3  | 694.3  | 697.0  | 697.0  | 698.4  | 698.4  | 703.8  | 701.1  | 703.8  | 701.1  | 702.4  |
| 47.5°  | 659.0  | 660.3  | 660.3  | 661.7  | 664.4  | 667.1  | 664.4  | 665.8  | 665.8  | 667.1  | 664.4  |
| 50°    | 619.6  | 619.6  | 622.3  | 626.4  | 631.8  | 629.1  | 627.7  | 633.2  | 629.1  | 629.1  | 626.4  |
| 52.5°  | 578.8  | 582.9  | 584.2  | 588.3  | 592.4  | 593.8  | 595.1  | 592.4  | 593.8  | 589.7  | 591.0  |
| 55°    | 539.4  | 540.8  | 546.2  | 550.3  | 554.3  | 554.3  | 553.0  | 554.3  | 555.7  | 550.3  | 550.3  |
| 57.5°  | 500.0  | 504.1  | 509.5  | 509.5  | 514.9  | 514.9  | 513.6  | 513.6  | 514.9  | 510.9  | 509.5  |
| 60°    | 457.9  | 462.0  | 468.8  | 468.8  | 476.9  | 478.3  | 475.5  | 472.8  | 472.8  | 468.8  | 470.1  |
| 62.5°  | 413.0  | 417.1  | 421.2  | 428.0  | 433.4  | 430.7  | 436.1  | 430.7  | 432.1  | 423.9  | 423.9  |
| 65°    | 373.6  | 375.0  | 381.8  | 388.6  | 388.6  | 391.3  | 388.6  | 389.9  | 385.9  | 385.9  | 380.4  |
| 67.5°  | 327.4  | 327.4  | 334.2  | 341.0  | 347.8  | 347.8  | 347.8  | 343.8  | 343.8  | 339.7  | 339.7  |
| 70°    | 286.7  | 285.3  | 292.1  | 296.2  | 300.3  | 301.6  | 298.9  | 297.6  | 294.8  | 290.8  | 289.4  |
| 72.5°  | 236.4  | 239.1  | 245.9  | 248.6  | 255.4  | 254.1  | 260.9  | 252.7  | 252.7  | 245.9  | 244.6  |
| 75°    | 191.6  | 194.3  | 201.1  | 205.2  | 209.2  | 209.2  | 213.3  | 209.2  | 203.8  | 201.1  | 199.7  |
| 77.5°  | 152.2  | 150.8  | 156.3  | 163.0  | 164.4  | 163.0  | 165.8  | 164.4  | 159.0  | 159.0  | 156.3  |
| 80°    | 108.7  | 112.8  | 118.2  | 116.8  | 122.3  | 120.9  | 120.9  | 118.2  | 118.2  | 114.1  | 116.8  |
| 82.5°  | 72.0   | 76.1   | 77.4   | 76.1   | 77.4   | 80.2   | 81.5   | 80.2   | 80.2   | 77.4   | 78.8   |
| 85°    | 38.0   | 38.0   | 40.8   | 42.1   | 40.8   | 40.8   | 42.1   | 46.2   | 43.5   | 40.8   | 43.5   |
| 87.5°  | 12.2   | 10.9   | 10.9   | 12.2   | 10.9   | 10.9   | 12.2   | 12.2   | 13.6   | 13.6   | 13.6   |
| 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: P1010426

CATALOG NUMBER: S123DIP-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: P1010426

CATALOG NUMBER: S123DIP-B1000D365UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 | 1402.2 |
| 2.5°   | 1331.5 | 1334.2 | 1335.6 | 1330.2 | 1326.1 | 1332.9 | 1342.4 | 1349.2 | 1354.6 | 1361.4 | 1365.5 |
| 5°     | 1252.7 | 1262.2 | 1262.2 | 1264.9 | 1269.0 | 1275.8 | 1293.5 | 1305.7 | 1316.6 | 1324.7 | 1331.5 |
| 7.5°   | 1186.1 | 1192.9 | 1197.0 | 1203.8 | 1210.6 | 1220.1 | 1240.5 | 1258.2 | 1274.5 | 1284.0 | 1294.8 |
| 10°    | 1126.4 | 1131.8 | 1138.6 | 1142.7 | 1154.9 | 1168.5 | 1194.3 | 1209.2 | 1228.3 | 1243.2 | 1256.8 |
| 12.5°  | 1069.3 | 1088.3 | 1092.4 | 1091.0 | 1101.9 | 1116.9 | 1142.7 | 1165.8 | 1186.1 | 1201.1 | 1216.0 |
| 15°    | 1028.5 | 1035.3 | 1043.5 | 1042.1 | 1065.2 | 1069.3 | 1091.0 | 1118.2 | 1145.4 | 1154.9 | 1168.5 |
| 17.5°  | 983.7  | 994.6  | 1002.7 | 1006.8 | 1013.6 | 1028.5 | 1048.9 | 1069.3 | 1104.6 | 1106.0 | 1141.3 |
| 20°    | 948.4  | 959.2  | 964.7  | 970.1  | 974.2  | 991.9  | 1009.5 | 1032.6 | 1061.1 | 1076.1 | 1095.1 |
| 22.5°  | 925.3  | 930.7  | 934.8  | 938.9  | 944.3  | 953.8  | 975.5  | 1001.4 | 1020.4 | 1036.7 | 1048.9 |
| 25°    | 898.1  | 903.5  | 909.0  | 911.7  | 915.8  | 921.2  | 937.5  | 957.9  | 985.1  | 995.9  | 1008.2 |
| 27.5°  | 879.1  | 879.1  | 881.8  | 881.8  | 887.2  | 892.7  | 904.9  | 923.9  | 945.7  | 959.2  | 975.5  |
| 30°    | 858.7  | 857.3  | 858.7  | 857.3  | 856.0  | 864.1  | 875.0  | 891.3  | 906.3  | 922.6  | 933.4  |
| 32.5°  | 838.3  | 837.0  | 837.0  | 838.3  | 832.9  | 837.0  | 842.4  | 857.3  | 873.6  | 881.8  | 894.0  |
| 35°    | 816.6  | 813.9  | 813.9  | 813.9  | 811.1  | 808.4  | 813.9  | 827.4  | 838.3  | 849.2  | 858.7  |
| 37.5°  | 794.8  | 790.8  | 790.8  | 788.0  | 785.3  | 781.3  | 781.3  | 792.1  | 807.1  | 811.1  | 823.4  |
| 40°    | 764.9  | 764.9  | 762.2  | 760.9  | 758.2  | 755.4  | 751.4  | 760.9  | 774.5  | 778.5  | 788.0  |
| 42.5°  | 735.1  | 731.0  | 729.6  | 729.6  | 729.6  | 725.5  | 722.8  | 729.6  | 737.8  | 744.6  | 750.0  |
| 45°    | 701.1  | 698.4  | 699.7  | 698.4  | 695.7  | 694.3  | 692.9  | 695.7  | 705.2  | 707.9  | 714.7  |
| 47.5°  | 664.4  | 663.0  | 663.0  | 661.7  | 660.3  | 661.7  | 656.3  | 663.0  | 665.8  | 668.5  | 673.9  |
| 50°    | 626.4  | 625.0  | 623.6  | 622.3  | 622.3  | 623.6  | 622.3  | 622.3  | 627.7  | 630.4  | 635.9  |
| 52.5°  | 588.3  | 584.2  | 584.2  | 582.9  | 582.9  | 580.2  | 582.9  | 584.2  | 587.0  | 589.7  | 592.4  |
| 55°    | 547.6  | 547.6  | 543.5  | 543.5  | 540.8  | 540.8  | 542.1  | 540.8  | 546.2  | 548.9  | 548.9  |
| 57.5°  | 508.2  | 502.7  | 504.1  | 501.4  | 498.6  | 497.3  | 497.3  | 500.0  | 502.7  | 502.7  | 505.4  |
| 60°    | 466.0  | 460.6  | 459.2  | 453.8  | 456.5  | 452.4  | 453.8  | 453.8  | 459.2  | 456.5  | 459.2  |
| 62.5°  | 423.9  | 417.1  | 413.0  | 410.3  | 410.3  | 411.7  | 409.0  | 407.6  | 410.3  | 413.0  | 418.5  |
| 65°    | 379.1  | 375.0  | 370.9  | 366.8  | 366.8  | 365.5  | 368.2  | 364.1  | 362.8  | 364.1  | 366.8  |
| 67.5°  | 332.9  | 328.8  | 324.7  | 320.7  | 322.0  | 317.9  | 315.2  | 319.3  | 316.6  | 317.9  | 320.7  |
| 70°    | 288.0  | 285.3  | 277.2  | 274.5  | 273.1  | 274.5  | 273.1  | 270.4  | 274.5  | 273.1  | 274.5  |
| 72.5°  | 243.2  | 240.5  | 236.4  | 229.6  | 229.6  | 228.3  | 226.9  | 226.9  | 225.5  | 225.5  | 225.5  |
| 75°    | 199.7  | 194.3  | 190.2  | 188.9  | 186.1  | 184.8  | 183.4  | 180.7  | 182.1  | 183.4  | 180.7  |
| 77.5°  | 154.9  | 148.1  | 146.7  | 146.7  | 142.7  | 142.7  | 144.0  | 142.7  | 141.3  | 141.3  | 141.3  |
| 80°    | 114.1  | 108.7  | 108.7  | 106.0  | 103.3  | 103.3  | 103.3  | 103.3  | 101.9  | 100.5  | 101.9  |
| 82.5°  | 73.4   | 72.0   | 70.7   | 70.7   | 73.4   | 67.9   | 70.7   | 69.3   | 67.9   | 67.9   | 66.6   |
| 85°    | 40.8   | 42.1   | 40.8   | 42.1   | 39.4   | 40.8   | 40.8   | 40.8   | 39.4   | 40.8   | 38.0   |
| 87.5°  | 14.9   | 14.9   | 14.9   | 16.3   | 16.3   | 16.3   | 16.3   | 16.3   | 17.7   | 16.3   | 16.3   |
| 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: P1010426

CATALOG NUMBER: S123DIP-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: P1010426

CATALOG NUMBER: S123DIP-B1000D365UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1402.2 | 1402.2 | 1402.2 | 1402.2 |
| 2.5°   | 1372.3 | 1376.4 | 1390.0 | 1406.3 |
| 5°     | 1345.1 | 1356.0 | 1375.0 | 1400.8 |
| 7.5°   | 1315.2 | 1331.5 | 1358.7 | 1391.3 |
| 10°    | 1281.3 | 1304.4 | 1338.3 | 1379.1 |
| 12.5°  | 1244.6 | 1274.5 | 1317.9 | 1360.1 |
| 15°    | 1221.5 | 1251.4 | 1290.8 | 1337.0 |
| 17.5°  | 1176.6 | 1212.0 | 1252.7 | 1317.9 |
| 20°    | 1130.4 | 1169.8 | 1222.8 | 1288.0 |
| 22.5°  | 1095.1 | 1137.2 | 1187.5 | 1256.8 |
| 25°    | 1053.0 | 1096.5 | 1150.8 | 1222.8 |
| 27.5°  | 1008.2 | 1051.6 | 1112.8 | 1188.9 |
| 30°    | 974.2  | 1016.3 | 1074.7 | 1156.3 |
| 32.5°  | 933.4  | 974.2  | 1035.3 | 1120.9 |
| 35°    | 887.2  | 933.4  | 991.9  | 1078.8 |
| 37.5°  | 851.9  | 894.0  | 955.2  | 1038.0 |
| 40°    | 813.9  | 850.5  | 910.3  | 991.9  |
| 42.5°  | 773.1  | 813.9  | 865.5  | 947.0  |
| 45°    | 735.1  | 764.9  | 817.9  | 895.4  |
| 47.5°  | 694.3  | 728.3  | 769.0  | 828.8  |
| 50°    | 650.8  | 679.4  | 724.2  | 764.9  |
| 52.5°  | 608.7  | 631.8  | 669.8  | 701.1  |
| 55°    | 563.9  | 587.0  | 615.5  | 634.5  |
| 57.5°  | 521.7  | 538.0  | 557.1  | 569.3  |
| 60°    | 470.1  | 486.4  | 498.6  | 510.9  |
| 62.5°  | 423.9  | 436.1  | 442.9  | 449.7  |
| 65°    | 376.4  | 383.2  | 387.2  | 392.7  |
| 67.5°  | 324.7  | 331.5  | 332.9  | 341.0  |
| 70°    | 277.2  | 278.5  | 281.3  | 285.3  |
| 72.5°  | 232.3  | 235.1  | 233.7  | 236.4  |
| 75°    | 186.1  | 188.9  | 186.1  | 188.9  |
| 77.5°  | 141.3  | 144.0  | 144.0  | 148.1  |
| 80°    | 101.9  | 103.3  | 104.6  | 104.6  |
| 82.5°  | 66.6   | 70.7   | 67.9   | 69.3   |
| 85°    | 38.0   | 39.4   | 39.4   | 40.8   |
| 87.5°  | 17.7   | 19.0   | 17.7   | 20.4   |
| 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: P1010426

CATALOG NUMBER: S123DIP-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)