

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: P1001009

Luminaire Tested: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A4

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1001009  
REPORT IS A COMBINATION OF REPORTS P995625 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A4  
Description: Define 4 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}  
Light Source: -  
Ballast/Driver: -

**Summary**

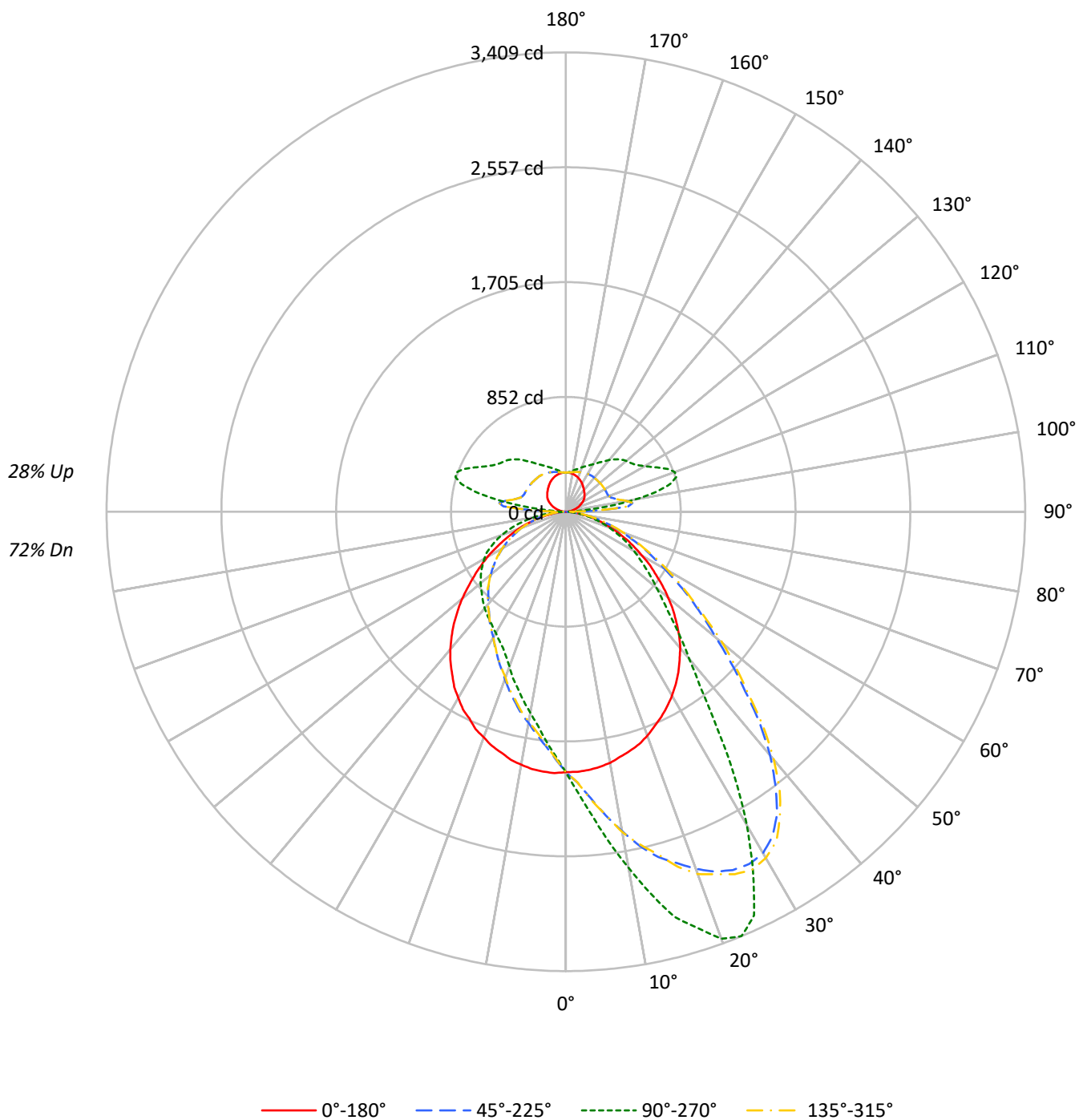
Lumens per Lamp: N/A  
Luminaire Lumens: 7450.0 lumens  
Efficiency: N/A  
Efficacy: 97.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 76.7  
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: P1001009

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A4

### Luminous Intensity Polar Plot



TEST NUMBER: P1001009

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A4

**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 |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |
| 0   | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 95 | 95 | 95 | 85 | 85 | 85 | 76 | 76 | 76 |
| 1   | 103 | 99  | 95  | 91  | 97  | 94  | 90  | 87  | 84 | 82 | 79 | 76 | 74 | 72 | 68 | 66 | 65 |
| 2   | 94  | 87  | 80  | 75  | 89  | 82  | 77  | 72  | 74 | 70 | 66 | 67 | 63 | 60 | 60 | 57 | 55 |
| 3   | 86  | 76  | 69  | 63  | 81  | 73  | 66  | 61  | 66 | 60 | 56 | 59 | 55 | 52 | 53 | 50 | 47 |
| 4   | 79  | 68  | 60  | 54  | 75  | 65  | 57  | 52  | 59 | 53 | 48 | 53 | 48 | 45 | 48 | 44 | 41 |
| 5   | 73  | 61  | 53  | 46  | 69  | 58  | 50  | 45  | 53 | 47 | 42 | 48 | 43 | 39 | 43 | 39 | 36 |
| 6   | 67  | 55  | 47  | 41  | 63  | 52  | 45  | 39  | 48 | 41 | 37 | 43 | 38 | 34 | 39 | 35 | 32 |
| 7   | 62  | 50  | 42  | 36  | 59  | 48  | 40  | 35  | 43 | 37 | 33 | 40 | 34 | 30 | 36 | 32 | 28 |
| 8   | 58  | 45  | 37  | 32  | 55  | 43  | 36  | 31  | 40 | 34 | 29 | 36 | 31 | 27 | 33 | 29 | 26 |
| 9   | 54  | 42  | 34  | 29  | 51  | 40  | 33  | 28  | 37 | 31 | 26 | 34 | 28 | 25 | 31 | 26 | 23 |
| 10  | 51  | 38  | 31  | 26  | 48  | 37  | 30  | 25  | 34 | 28 | 24 | 31 | 26 | 22 | 29 | 24 | 21 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 15751 | 15751 | 15751 | 15751 |
| 5°  | 15712 | 18070 | 15803 | 13578 |
| 10° | 15594 | 21082 | 15713 | 11912 |
| 15° | 15406 | 24304 | 15513 | 10659 |
| 20° | 15207 | 26353 | 15317 | 9556  |
| 25° | 14916 | 26052 | 15058 | 8743  |
| 30° | 14631 | 21533 | 14809 | 8323  |
| 35° | 14232 | 16047 | 14389 | 8069  |
| 40° | 13765 | 12088 | 13898 | 7945  |
| 45° | 13053 | 9702  | 13215 | 7776  |
| 50° | 12203 | 8174  | 12381 | 7697  |
| 55° | 11204 | 7114  | 11380 | 7606  |
| 60° | 10231 | 6264  | 10531 | 7479  |
| 65° | 9320  | 5390  | 9408  | 7168  |
| 70° | 8248  | 4435  | 8426  | 6600  |
| 75° | 7193  | 3407  | 7147  | 5608  |
| 80° | 5659  | 2239  | 5593  | 4256  |
| 85° | 3726  | 1006  | 3493  | 2482  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 20367 cd/sqm

TEST NUMBER: P1001009

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A4

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 188.0  | 2.5       |
| 10°-20°   | 580.2  | 7.8       |
| 20°-30°   | 921.8  | 12.4      |
| 30°-40°   | 1024.3 | 13.7      |
| 40°-50°   | 931.5  | 12.5      |
| 50°-60°   | 761.2  | 10.2      |
| 60°-70°   | 543.3  | 7.3       |
| 70°-80°   | 299.0  | 4.0       |
| 80°-90°   | 81.9   | 1.1       |
| 90°-100°  | 210.8  | 2.8       |
| 100°-110° | 440.2  | 5.9       |
| 110°-120° | 391.3  | 5.3       |
| 120°-130° | 329.4  | 4.4       |
| 130°-140° | 274.8  | 3.7       |
| 140°-150° | 209.8  | 2.8       |
| 150°-160° | 147.5  | 2.0       |
| 160°-170° | 86.8   | 1.2       |
| 170°-180° | 28.2   | 0.4       |
| 0°-30°    | 1690.0 | 22.7      |
| 0°-40°    | 2714.3 | 36.4      |
| 0°-60°    | 4406.9 | 59.2      |
| 0°-90°    | 5331.1 | 71.6      |
| 90°-120°  | 1042.3 | 14.0      |
| 90°-150°  | 1856.4 | 24.9      |
| 90°-180°  | 2119.0 | 28.4      |
| 0°-180°   | 7450.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1932 | 1932 | 1932 | 1932 | 1932 |      |
| 5°   | 1924 | 2266 | 1935 | 1703 | 1924 | 183  |
| 15°  | 1837 | 3113 | 1850 | 1365 | 1837 | 518  |
| 25°  | 1677 | 3305 | 1693 | 1109 | 1677 | 773  |
| 35°  | 1455 | 1954 | 1471 | 983  | 1455 | 909  |
| 45°  | 1160 | 1096 | 1175 | 879  | 1160 | 895  |
| 55°  | 816  | 717  | 829  | 766  | 816  | 734  |
| 65°  | 509  | 461  | 514  | 613  | 509  | 503  |
| 75°  | 250  | 230  | 248  | 379  | 250  | 262  |
| 85°  | 51   | 48   | 48   | 118  | 51   | 60   |
| 90°  | 1    | 12   | 1    | 12   | 1    | 4    |
| 95°  | 19   | 140  | 19   | 140  | 19   | 21   |
| 105° | 67   | 804  | 67   | 804  | 67   | 71   |
| 115° | 118  | 772  | 118  | 772  | 118  | 117  |
| 125° | 164  | 616  | 164  | 616  | 164  | 146  |
| 135° | 195  | 551  | 195  | 551  | 195  | 151  |
| 145° | 225  | 450  | 225  | 450  | 225  | 141  |
| 155° | 256  | 377  | 256  | 377  | 256  | 118  |
| 165° | 278  | 329  | 278  | 329  | 278  | 79   |
| 175° | 290  | 296  | 290  | 296  | 290  | 28   |
| 180° | 291  | 291  | 291  | 291  | 291  |      |

TEST NUMBER: P1001009

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 |
| 2.5°   | 1931.6 | 1950.8 | 1958.8 | 1965.2 | 1986.0 | 1992.4 | 1994.0 | 2003.6 | 2011.6 | 2013.2 | 2013.2 |
| 5°     | 1923.6 | 1954.0 | 1978.0 | 2000.4 | 2034.0 | 2048.4 | 2066.0 | 2085.2 | 2110.8 | 2126.8 | 2134.8 |
| 7.5°   | 1910.8 | 1955.6 | 1992.4 | 2030.8 | 2077.2 | 2106.0 | 2122.0 | 2173.2 | 2208.4 | 2237.2 | 2272.4 |
| 10°    | 1891.6 | 1949.2 | 2002.0 | 2058.0 | 2123.6 | 2158.8 | 2194.0 | 2256.4 | 2306.0 | 2362.0 | 2406.8 |
| 12.5°  | 1862.7 | 1938.0 | 2002.0 | 2080.4 | 2162.0 | 2203.6 | 2245.2 | 2354.0 | 2411.6 | 2461.3 | 2541.3 |
| 15°    | 1837.1 | 1912.4 | 2003.6 | 2083.6 | 2184.4 | 2246.8 | 2307.6 | 2378.0 | 2469.3 | 2576.5 | 2653.3 |
| 17.5°  | 1808.3 | 1902.8 | 1987.6 | 2099.6 | 2211.6 | 2270.8 | 2320.4 | 2429.3 | 2557.3 | 2662.9 | 2733.3 |
| 20°    | 1768.3 | 1864.3 | 1976.4 | 2094.8 | 2227.6 | 2274.0 | 2339.6 | 2485.3 | 2600.5 | 2704.5 | 2819.7 |
| 22.5°  | 1721.9 | 1833.9 | 1952.4 | 2066.0 | 2203.6 | 2301.2 | 2373.2 | 2501.3 | 2640.5 | 2760.5 | 2890.1 |
| 25°    | 1677.1 | 1798.7 | 1902.8 | 2058.0 | 2203.6 | 2269.2 | 2350.8 | 2502.9 | 2654.9 | 2800.5 | 2933.3 |
| 27.5°  | 1629.1 | 1742.7 | 1883.6 | 2006.8 | 2171.6 | 2243.6 | 2331.6 | 2498.1 | 2659.7 | 2805.3 | 2947.7 |
| 30°    | 1576.3 | 1697.9 | 1814.7 | 1960.4 | 2120.4 | 2213.2 | 2294.8 | 2475.7 | 2640.5 | 2792.5 | 2925.3 |
| 32.5°  | 1517.1 | 1632.3 | 1757.1 | 1894.8 | 2062.8 | 2157.2 | 2259.6 | 2445.3 | 2621.3 | 2752.5 | 2854.9 |
| 35°    | 1454.7 | 1571.5 | 1680.3 | 1821.1 | 1994.0 | 2088.4 | 2187.6 | 2392.4 | 2566.9 | 2674.1 | 2733.3 |
| 37.5°  | 1385.9 | 1496.3 | 1603.5 | 1742.7 | 1915.6 | 2016.4 | 2117.2 | 2315.6 | 2480.5 | 2570.1 | 2554.1 |
| 40°    | 1320.2 | 1419.5 | 1518.7 | 1649.9 | 1830.7 | 1938.0 | 2026.0 | 2226.0 | 2370.0 | 2408.4 | 2355.6 |
| 42.5°  | 1245.0 | 1329.8 | 1425.9 | 1560.3 | 1736.3 | 1837.1 | 1947.6 | 2130.0 | 2237.2 | 2221.2 | 2131.6 |
| 45°    | 1160.2 | 1235.4 | 1331.4 | 1457.9 | 1637.1 | 1741.1 | 1833.9 | 2006.8 | 2085.2 | 2045.2 | 1882.0 |
| 47.5°  | 1078.6 | 1152.2 | 1230.6 | 1357.1 | 1531.5 | 1619.5 | 1713.9 | 1869.1 | 1914.0 | 1829.1 | 1665.9 |
| 50°    | 990.6  | 1051.4 | 1133.0 | 1253.0 | 1416.3 | 1509.1 | 1587.5 | 1712.3 | 1728.3 | 1624.3 | 1454.7 |
| 52.5°  | 905.8  | 957.0  | 1035.4 | 1153.8 | 1305.8 | 1379.5 | 1456.3 | 1566.7 | 1553.9 | 1446.7 | 1283.4 |
| 55°    | 816.2  | 864.2  | 936.2  | 1045.0 | 1179.4 | 1249.8 | 1315.4 | 1413.1 | 1385.9 | 1275.4 | 1133.0 |
| 57.5°  | 740.9  | 774.5  | 845.0  | 945.8  | 1056.2 | 1133.0 | 1189.0 | 1265.8 | 1224.2 | 1113.8 | 981.0  |
| 60°    | 654.5  | 696.1  | 755.3  | 837.0  | 945.8  | 997.0  | 1046.6 | 1097.8 | 1069.0 | 963.4  | 845.0  |
| 62.5°  | 576.1  | 608.1  | 659.3  | 737.7  | 822.6  | 869.0  | 921.8  | 953.8  | 925.0  | 827.4  | 728.1  |
| 65°    | 508.9  | 534.5  | 574.5  | 638.5  | 720.1  | 758.5  | 788.9  | 819.4  | 795.3  | 704.1  | 632.1  |
| 67.5°  | 435.3  | 457.7  | 491.3  | 542.5  | 611.3  | 638.5  | 667.3  | 688.1  | 660.9  | 600.1  | 529.7  |
| 70°    | 369.7  | 385.7  | 417.7  | 456.1  | 504.1  | 529.7  | 553.7  | 574.5  | 550.5  | 499.3  | 446.5  |
| 72.5°  | 302.5  | 315.3  | 344.1  | 371.3  | 414.5  | 432.1  | 449.7  | 465.7  | 457.7  | 409.7  | 366.5  |
| 75°    | 249.6  | 254.4  | 273.7  | 296.1  | 323.3  | 342.5  | 355.3  | 364.9  | 358.5  | 320.1  | 292.9  |
| 77.5°  | 188.8  | 195.2  | 209.6  | 227.2  | 251.2  | 262.4  | 270.5  | 280.1  | 272.1  | 241.6  | 222.4  |
| 80°    | 137.6  | 139.2  | 147.2  | 163.2  | 179.2  | 180.8  | 188.8  | 201.6  | 196.8  | 176.0  | 161.6  |
| 82.5°  | 88.0   | 92.8   | 96.0   | 105.6  | 116.8  | 120.0  | 124.8  | 128.0  | 126.4  | 113.6  | 108.8  |
| 85°    | 51.2   | 51.2   | 54.4   | 60.8   | 64.0   | 68.8   | 70.4   | 72.0   | 75.2   | 67.2   | 62.4   |
| 87.5°  | 22.4   | 24.0   | 24.0   | 25.6   | 28.8   | 28.8   | 30.4   | 32.0   | 33.6   | 32.0   | 27.2   |
| 90°    | 0.6    | 1.7    | 3.4    | 4.0    | 4.6    | 4.6    | 4.6    | 8.0    | 8.0    | 9.1    | 10.3   |
| 92.5°  | 8.0    | 11.4   | 17.7   | 26.3   | 36.6   | 44.0   | 51.4   | 86.9   | 142.3  | 196.0  | 224.0  |
| 95°    | 18.9   | 20.6   | 26.3   | 33.7   | 47.4   | 59.4   | 71.4   | 121.2  | 214.9  | 351.5  | 465.8  |
| 97.5°  | 31.4   | 31.4   | 36.6   | 43.4   | 55.4   | 65.7   | 76.0   | 115.5  | 196.0  | 336.6  | 498.4  |
| 100°   | 43.4   | 43.4   | 47.4   | 54.3   | 65.2   | 74.3   | 83.4   | 117.2  | 181.8  | 298.4  | 459.5  |
| 102.5° | 54.9   | 56.0   | 59.4   | 65.7   | 76.0   | 84.6   | 93.2   | 122.9  | 177.8  | 272.6  | 410.9  |
| 105°   | 66.9   | 68.6   | 71.4   | 78.3   | 88.6   | 96.9   | 105.2  | 132.6  | 180.0  | 260.1  | 374.9  |
| 107.5° | 80.0   | 81.2   | 84.0   | 91.4   | 101.2  | 109.4  | 117.7  | 142.9  | 186.9  | 256.6  | 351.5  |
| 110°   | 93.2   | 94.3   | 97.2   | 104.0  | 114.3  | 122.0  | 129.7  | 154.9  | 194.9  | 257.8  | 340.6  |

TEST NUMBER: P1001009

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 105.7 | 106.9 | 110.3 | 116.6 | 126.9 | 134.6 | 142.3 | 166.3 | 203.5 | 261.2 | 335.5 |
| 115°   | 117.7 | 119.5 | 123.5 | 129.2 | 140.0 | 147.8 | 155.5 | 178.3 | 212.6 | 265.8 | 334.4 |
| 117.5° | 130.3 | 132.0 | 135.5 | 141.7 | 152.0 | 160.0 | 168.0 | 189.8 | 221.8 | 270.3 | 333.8 |
| 120°   | 142.9 | 144.0 | 148.0 | 154.3 | 164.0 | 172.0 | 180.0 | 201.8 | 231.5 | 275.5 | 333.8 |
| 122.5° | 154.3 | 155.5 | 159.5 | 165.2 | 176.0 | 183.8 | 191.5 | 213.2 | 240.6 | 280.6 | 333.2 |
| 125°   | 164.0 | 166.3 | 169.8 | 176.0 | 186.9 | 194.9 | 202.9 | 223.5 | 249.8 | 285.8 | 332.6 |
| 127.5° | 173.2 | 174.9 | 178.9 | 185.8 | 197.2 | 205.2 | 213.2 | 233.2 | 257.8 | 289.8 | 331.5 |
| 130°   | 180.6 | 182.9 | 187.5 | 196.0 | 206.9 | 215.2 | 223.5 | 242.9 | 265.2 | 294.4 | 330.9 |
| 132.5° | 188.0 | 189.8 | 196.0 | 204.0 | 216.0 | 223.8 | 231.5 | 250.9 | 272.6 | 298.4 | 330.4 |
| 135°   | 194.9 | 197.2 | 202.9 | 212.6 | 224.6 | 232.0 | 239.5 | 258.3 | 278.9 | 302.4 | 329.8 |
| 137.5° | 201.8 | 204.0 | 210.3 | 219.5 | 232.1 | 239.2 | 246.3 | 264.1 | 283.5 | 304.6 | 329.8 |
| 140°   | 209.2 | 210.9 | 217.2 | 226.9 | 238.9 | 245.8 | 252.6 | 269.8 | 288.1 | 307.5 | 329.2 |
| 142.5° | 217.2 | 218.9 | 224.6 | 233.8 | 245.2 | 251.8 | 258.3 | 274.9 | 291.5 | 309.8 | 329.2 |
| 145°   | 224.6 | 226.3 | 232.1 | 240.1 | 250.9 | 257.2 | 263.5 | 278.3 | 293.8 | 310.4 | 328.1 |
| 147.5° | 233.2 | 233.8 | 238.9 | 247.5 | 256.6 | 262.4 | 268.1 | 282.3 | 296.1 | 310.9 | 326.4 |
| 150°   | 241.2 | 241.8 | 246.3 | 253.2 | 261.8 | 267.2 | 272.6 | 285.2 | 297.8 | 310.9 | 324.6 |
| 152.5° | 248.6 | 248.6 | 253.2 | 259.5 | 266.9 | 271.8 | 276.6 | 287.5 | 298.9 | 309.8 | 321.8 |
| 155°   | 255.5 | 256.1 | 259.5 | 265.2 | 271.5 | 275.8 | 280.1 | 289.8 | 299.5 | 308.6 | 318.9 |
| 157.5° | 262.3 | 262.3 | 265.8 | 270.3 | 276.1 | 279.5 | 282.9 | 291.5 | 299.5 | 307.5 | 316.1 |
| 160°   | 268.6 | 268.6 | 270.9 | 274.9 | 279.5 | 282.6 | 285.8 | 292.6 | 299.5 | 305.8 | 312.6 |
| 162.5° | 274.3 | 273.8 | 275.5 | 278.9 | 282.9 | 285.2 | 287.5 | 293.8 | 299.5 | 304.1 | 309.2 |
| 165°   | 278.3 | 278.3 | 279.5 | 282.3 | 285.2 | 286.9 | 288.6 | 293.8 | 298.4 | 301.8 | 305.8 |
| 167.5° | 282.9 | 282.3 | 282.9 | 285.2 | 286.9 | 288.4 | 289.8 | 293.8 | 297.2 | 299.5 | 302.4 |
| 170°   | 285.8 | 285.2 | 285.8 | 287.5 | 288.6 | 289.5 | 290.4 | 293.2 | 296.1 | 297.2 | 298.9 |
| 172.5° | 288.6 | 288.1 | 288.1 | 289.2 | 289.8 | 290.4 | 290.9 | 292.6 | 294.9 | 294.9 | 295.5 |
| 175°   | 290.4 | 289.8 | 289.8 | 290.4 | 290.9 | 290.9 | 290.9 | 292.1 | 293.8 | 293.2 | 293.2 |
| 177.5° | 291.5 | 290.9 | 290.4 | 290.9 | 290.9 | 290.9 | 290.9 | 291.5 | 292.6 | 291.5 | 291.5 |
| 180°   | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 |

TEST NUMBER: P1001009

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 |
| 2.5°   | 2018.0 | 2046.8 | 2059.6 | 2062.8 | 2080.4 | 2069.2 | 2074.0 | 2072.4 | 2085.2 | 2086.8 | 2086.8 |
| 5°     | 2165.2 | 2198.8 | 2210.0 | 2226.0 | 2250.0 | 2256.4 | 2251.6 | 2261.2 | 2278.8 | 2266.0 | 2285.2 |
| 7.5°   | 2320.4 | 2357.2 | 2382.8 | 2418.1 | 2426.1 | 2446.9 | 2459.7 | 2470.9 | 2474.1 | 2475.7 | 2478.9 |
| 10°    | 2464.5 | 2510.9 | 2546.1 | 2605.3 | 2618.1 | 2629.3 | 2685.3 | 2662.9 | 2691.7 | 2682.1 | 2685.3 |
| 12.5°  | 2581.3 | 2672.5 | 2701.3 | 2800.5 | 2810.1 | 2848.5 | 2845.3 | 2880.5 | 2886.9 | 2899.7 | 2886.9 |
| 15°    | 2734.9 | 2840.5 | 2886.9 | 2942.9 | 2975.0 | 3019.8 | 3027.8 | 3075.8 | 3095.0 | 3112.6 | 3095.0 |
| 17.5°  | 2875.7 | 2931.7 | 3050.2 | 3095.0 | 3115.8 | 3139.8 | 3200.6 | 3218.2 | 3247.0 | 3235.8 | 3267.8 |
| 20°    | 2946.1 | 3026.2 | 3151.0 | 3227.8 | 3259.8 | 3282.2 | 3333.4 | 3360.6 | 3371.8 | 3371.8 | 3375.0 |
| 22.5°  | 3008.6 | 3123.8 | 3216.6 | 3304.6 | 3333.4 | 3349.4 | 3379.8 | 3400.6 | 3405.4 | 3408.6 | 3411.8 |
| 25°    | 3064.6 | 3168.6 | 3243.8 | 3293.4 | 3304.6 | 3304.6 | 3322.2 | 3309.4 | 3288.6 | 3304.6 | 3314.2 |
| 27.5°  | 3064.6 | 3138.2 | 3171.8 | 3189.4 | 3189.4 | 3146.2 | 3120.6 | 3067.8 | 3023.0 | 3010.2 | 3039.0 |
| 30°    | 3013.4 | 3047.0 | 3000.6 | 2957.4 | 2923.7 | 2894.9 | 2794.1 | 2714.1 | 2698.1 | 2686.9 | 2730.1 |
| 32.5°  | 2894.9 | 2851.7 | 2760.5 | 2635.7 | 2586.1 | 2520.5 | 2442.1 | 2381.2 | 2344.4 | 2331.6 | 2322.0 |
| 35°    | 2685.3 | 2573.3 | 2454.9 | 2286.8 | 2251.6 | 2168.4 | 2061.2 | 2016.4 | 1955.6 | 1954.0 | 1974.8 |
| 37.5°  | 2456.5 | 2283.6 | 2155.6 | 1995.6 | 1946.0 | 1857.9 | 1757.1 | 1710.7 | 1669.1 | 1637.1 | 1675.5 |
| 40°    | 2189.2 | 2038.8 | 1843.5 | 1712.3 | 1641.9 | 1595.5 | 1510.7 | 1459.5 | 1440.3 | 1424.3 | 1448.3 |
| 42.5°  | 1939.6 | 1774.7 | 1622.7 | 1488.3 | 1430.7 | 1377.9 | 1321.8 | 1272.2 | 1257.8 | 1256.2 | 1273.8 |
| 45°    | 1691.5 | 1529.9 | 1389.1 | 1273.8 | 1237.0 | 1205.0 | 1150.6 | 1136.2 | 1112.2 | 1096.2 | 1104.2 |
| 47.5°  | 1493.1 | 1326.6 | 1209.8 | 1121.8 | 1089.8 | 1062.6 | 1027.4 | 1003.4 | 982.6  | 976.2  | 985.8  |
| 50°    | 1297.8 | 1185.8 | 1065.8 | 992.2  | 968.2  | 942.6  | 915.4  | 893.0  | 883.4  | 877.0  | 883.4  |
| 52.5°  | 1141.0 | 1021.0 | 939.4  | 880.2  | 856.2  | 837.0  | 817.8  | 808.2  | 795.3  | 798.5  | 804.9  |
| 55°    | 1000.2 | 894.6  | 825.8  | 782.5  | 768.1  | 760.1  | 736.1  | 724.9  | 720.1  | 716.9  | 720.1  |
| 57.5°  | 867.4  | 790.5  | 739.3  | 702.5  | 683.3  | 678.5  | 659.3  | 659.3  | 654.5  | 649.7  | 651.3  |
| 60°    | 761.7  | 696.1  | 646.5  | 617.7  | 614.5  | 606.5  | 593.7  | 592.1  | 580.9  | 585.7  | 587.3  |
| 62.5°  | 654.5  | 601.7  | 568.1  | 550.5  | 539.3  | 536.1  | 528.1  | 526.5  | 521.7  | 523.3  | 520.1  |
| 65°    | 569.7  | 526.5  | 492.9  | 478.5  | 473.7  | 472.1  | 465.7  | 460.9  | 457.7  | 460.9  | 457.7  |
| 67.5°  | 484.9  | 456.1  | 430.5  | 416.1  | 409.7  | 408.1  | 403.3  | 400.1  | 401.7  | 396.9  | 400.1  |
| 70°    | 404.9  | 376.1  | 360.1  | 352.1  | 348.9  | 344.1  | 344.1  | 344.1  | 344.1  | 340.9  | 339.3  |
| 72.5°  | 340.9  | 312.1  | 300.9  | 296.1  | 292.9  | 291.3  | 286.5  | 288.1  | 286.5  | 284.9  | 291.3  |
| 75°    | 270.5  | 252.8  | 241.6  | 236.8  | 240.0  | 235.2  | 230.4  | 233.6  | 228.8  | 230.4  | 236.8  |
| 77.5°  | 204.8  | 196.8  | 190.4  | 187.2  | 184.0  | 180.8  | 180.8  | 177.6  | 177.6  | 177.6  | 177.6  |
| 80°    | 148.8  | 147.2  | 136.0  | 134.4  | 134.4  | 131.2  | 131.2  | 131.2  | 131.2  | 129.6  | 131.2  |
| 82.5°  | 99.2   | 97.6   | 94.4   | 92.8   | 89.6   | 91.2   | 91.2   | 88.0   | 88.0   | 86.4   | 88.0   |
| 85°    | 57.6   | 57.6   | 54.4   | 52.8   | 51.2   | 52.8   | 49.6   | 48.0   | 49.6   | 48.0   | 49.6   |
| 87.5°  | 27.2   | 24.0   | 25.6   | 24.0   | 20.8   | 22.4   | 19.2   | 20.8   | 19.2   | 17.6   | 20.8   |
| 90°    | 9.7    | 10.3   | 10.9   | 11.4   | 11.4   | 11.4   | 12.0   | 12.6   | 12.0   | 12.0   | 12.0   |
| 92.5°  | 186.3  | 137.7  | 102.9  | 81.2   | 74.1   | 66.9   | 58.3   | 54.3   | 52.0   | 52.0   | 52.0   |
| 95°    | 479.0  | 423.5  | 334.9  | 258.3  | 230.6  | 202.9  | 174.9  | 157.2  | 146.9  | 139.5  | 146.9  |
| 97.5°  | 600.7  | 609.8  | 565.8  | 503.0  | 471.0  | 439.0  | 400.1  | 365.8  | 348.6  | 334.9  | 348.6  |
| 100°   | 605.8  | 689.3  | 700.7  | 672.7  | 651.6  | 630.4  | 580.7  | 545.8  | 528.7  | 524.1  | 528.7  |
| 102.5° | 563.0  | 685.3  | 753.3  | 770.5  | 764.8  | 759.0  | 733.3  | 710.4  | 692.2  | 688.7  | 692.2  |
| 105°   | 509.3  | 640.1  | 739.0  | 795.6  | 807.3  | 819.0  | 820.2  | 815.6  | 807.6  | 804.2  | 807.6  |
| 107.5° | 465.2  | 584.7  | 691.6  | 770.5  | 794.5  | 818.5  | 843.6  | 853.9  | 858.5  | 859.0  | 858.5  |
| 110°   | 433.8  | 535.5  | 634.4  | 717.3  | 748.8  | 780.2  | 820.8  | 844.8  | 855.0  | 860.2  | 855.0  |



TEST NUMBER: P1001009

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 416.1 | 499.5 | 584.1 | 661.3 | 692.8 | 724.2 | 771.6 | 801.9 | 817.3 | 826.5 | 817.3 |
| 115°   | 406.4 | 477.8 | 548.1 | 615.0 | 642.4 | 669.9 | 715.0 | 749.3 | 767.6 | 772.2 | 767.6 |
| 117.5° | 401.2 | 465.2 | 524.7 | 579.0 | 603.0 | 627.0 | 667.0 | 696.7 | 716.2 | 719.0 | 716.2 |
| 120°   | 397.2 | 457.2 | 510.4 | 556.1 | 576.4 | 596.7 | 629.3 | 654.4 | 669.3 | 675.6 | 669.3 |
| 122.5° | 392.7 | 450.4 | 501.3 | 541.8 | 559.0 | 576.1 | 602.4 | 623.0 | 635.0 | 641.3 | 635.0 |
| 125°   | 387.5 | 442.4 | 491.5 | 531.0 | 546.7 | 562.4 | 585.3 | 601.8 | 612.7 | 616.1 | 612.7 |
| 127.5° | 380.7 | 433.2 | 480.7 | 520.1 | 535.0 | 549.8 | 572.7 | 587.6 | 596.7 | 600.1 | 596.7 |
| 130°   | 374.4 | 421.8 | 467.0 | 505.8 | 521.0 | 536.1 | 559.6 | 573.8 | 583.0 | 586.4 | 583.0 |
| 132.5° | 368.7 | 409.8 | 451.5 | 489.3 | 504.4 | 519.5 | 542.4 | 559.0 | 567.6 | 571.0 | 567.6 |
| 135°   | 362.9 | 398.9 | 436.1 | 471.0 | 485.2 | 499.5 | 522.4 | 538.4 | 547.5 | 551.0 | 547.5 |
| 137.5° | 357.8 | 388.7 | 421.2 | 451.5 | 464.6 | 477.8 | 499.5 | 516.1 | 523.5 | 527.5 | 523.5 |
| 140°   | 353.8 | 380.1 | 406.9 | 432.7 | 444.7 | 456.7 | 476.7 | 489.3 | 497.3 | 501.8 | 497.3 |
| 142.5° | 350.4 | 372.1 | 394.9 | 416.1 | 426.1 | 436.1 | 453.2 | 464.7 | 471.5 | 474.4 | 471.5 |
| 145°   | 346.4 | 364.7 | 384.1 | 401.2 | 409.2 | 417.2 | 431.5 | 441.2 | 447.0 | 449.8 | 447.0 |
| 147.5° | 342.9 | 358.4 | 374.4 | 388.7 | 395.2 | 401.8 | 412.7 | 421.2 | 425.8 | 427.0 | 425.8 |
| 150°   | 338.9 | 352.6 | 365.8 | 377.2 | 382.4 | 387.5 | 396.7 | 404.1 | 407.5 | 408.1 | 407.5 |
| 152.5° | 334.4 | 346.4 | 357.2 | 367.5 | 371.5 | 375.5 | 382.9 | 388.7 | 390.4 | 390.9 | 390.4 |
| 155°   | 329.8 | 340.1 | 349.2 | 357.8 | 361.2 | 364.7 | 370.4 | 374.9 | 376.7 | 376.7 | 376.7 |
| 157.5° | 325.2 | 333.2 | 341.2 | 348.6 | 351.5 | 354.4 | 358.9 | 362.4 | 363.5 | 363.5 | 363.5 |
| 160°   | 320.1 | 326.9 | 333.2 | 339.5 | 341.8 | 344.1 | 347.5 | 350.9 | 351.5 | 351.5 | 351.5 |
| 162.5° | 315.5 | 320.6 | 325.8 | 330.4 | 332.4 | 334.4 | 336.6 | 340.1 | 340.6 | 340.1 | 340.6 |
| 165°   | 310.4 | 314.9 | 318.4 | 322.4 | 323.8 | 325.2 | 327.5 | 329.8 | 329.2 | 328.6 | 329.2 |
| 167.5° | 305.8 | 309.2 | 312.1 | 315.5 | 316.4 | 317.2 | 318.4 | 320.1 | 320.1 | 319.5 | 320.1 |
| 170°   | 301.2 | 304.1 | 305.8 | 308.1 | 309.0 | 309.8 | 310.9 | 311.5 | 310.9 | 310.9 | 310.9 |
| 172.5° | 297.2 | 299.5 | 300.6 | 301.8 | 302.4 | 302.9 | 303.5 | 304.1 | 303.5 | 302.4 | 303.5 |
| 175°   | 294.4 | 295.5 | 296.1 | 297.2 | 297.2 | 297.2 | 297.2 | 298.4 | 297.2 | 296.1 | 297.2 |
| 177.5° | 292.1 | 292.6 | 293.2 | 293.2 | 293.5 | 293.8 | 293.2 | 293.8 | 292.6 | 291.5 | 292.6 |
| 180°   | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 |

TEST NUMBER: P1001009

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 |
| 2.5°   | 2083.6 | 2078.8 | 2072.4 | 2072.4 | 2064.4 | 2064.4 | 2051.6 | 2029.2 | 2010.0 | 2003.6 | 2006.8 |
| 5°     | 2261.2 | 2262.8 | 2253.2 | 2245.2 | 2230.8 | 2219.6 | 2198.8 | 2158.8 | 2146.0 | 2120.4 | 2102.8 |
| 7.5°   | 2464.5 | 2458.1 | 2440.5 | 2427.7 | 2424.5 | 2398.8 | 2354.0 | 2306.0 | 2267.6 | 2242.0 | 2205.2 |
| 10°    | 2693.3 | 2667.7 | 2642.1 | 2634.1 | 2614.9 | 2571.7 | 2520.5 | 2467.7 | 2414.8 | 2358.8 | 2296.4 |
| 12.5°  | 2885.3 | 2835.7 | 2834.1 | 2814.9 | 2778.1 | 2754.1 | 2693.3 | 2618.1 | 2526.9 | 2464.5 | 2394.0 |
| 15°    | 3091.8 | 3045.4 | 3007.0 | 2971.8 | 2954.2 | 2883.7 | 2832.5 | 2738.1 | 2629.3 | 2562.1 | 2514.1 |
| 17.5°  | 3239.0 | 3218.2 | 3152.6 | 3136.6 | 3112.6 | 3031.0 | 2949.3 | 2856.5 | 2762.1 | 2667.7 | 2538.1 |
| 20°    | 3357.4 | 3344.6 | 3301.4 | 3279.0 | 3240.6 | 3176.6 | 3077.4 | 2970.2 | 2861.3 | 2726.9 | 2605.3 |
| 22.5°  | 3408.6 | 3392.6 | 3357.4 | 3338.2 | 3314.2 | 3259.8 | 3175.0 | 3053.4 | 2910.9 | 2790.9 | 2661.3 |
| 25°    | 3307.8 | 3336.6 | 3327.0 | 3319.0 | 3309.4 | 3277.4 | 3213.4 | 3106.2 | 2967.0 | 2830.9 | 2669.3 |
| 27.5°  | 3080.6 | 3130.2 | 3178.2 | 3184.6 | 3200.6 | 3213.4 | 3187.8 | 3111.0 | 2994.2 | 2850.1 | 2672.5 |
| 30°    | 2774.9 | 2797.3 | 2894.9 | 2923.7 | 2946.1 | 3027.8 | 3075.8 | 3056.6 | 2967.0 | 2837.3 | 2674.1 |
| 32.5°  | 2382.8 | 2442.1 | 2541.3 | 2610.1 | 2670.9 | 2762.1 | 2886.9 | 2936.5 | 2904.5 | 2798.9 | 2637.3 |
| 35°    | 2011.6 | 2082.0 | 2197.2 | 2285.2 | 2346.0 | 2475.7 | 2622.9 | 2730.1 | 2770.1 | 2717.3 | 2573.3 |
| 37.5°  | 1707.5 | 1792.3 | 1894.8 | 1928.4 | 1998.8 | 2158.8 | 2362.0 | 2510.9 | 2608.5 | 2613.3 | 2501.3 |
| 40°    | 1478.7 | 1521.9 | 1603.5 | 1654.7 | 1723.5 | 1857.9 | 2056.4 | 2253.2 | 2400.4 | 2450.1 | 2390.8 |
| 42.5°  | 1285.0 | 1318.6 | 1379.5 | 1441.9 | 1504.3 | 1606.7 | 1789.1 | 1973.2 | 2171.6 | 2270.8 | 2269.2 |
| 45°    | 1131.4 | 1166.6 | 1208.2 | 1259.4 | 1302.6 | 1413.1 | 1557.1 | 1745.9 | 1917.2 | 2070.8 | 2109.2 |
| 47.5°  | 997.0  | 1027.4 | 1078.6 | 1101.0 | 1129.8 | 1233.8 | 1358.7 | 1534.7 | 1712.3 | 1888.4 | 1933.2 |
| 50°    | 897.8  | 923.4  | 958.6  | 973.0  | 1005.0 | 1081.8 | 1184.2 | 1326.6 | 1523.5 | 1685.1 | 1768.3 |
| 52.5°  | 808.2  | 827.4  | 854.6  | 865.8  | 888.2  | 945.8  | 1038.6 | 1150.6 | 1313.8 | 1480.3 | 1597.1 |
| 55°    | 731.3  | 744.1  | 763.3  | 776.1  | 792.1  | 843.4  | 912.2  | 1013.0 | 1153.8 | 1297.8 | 1411.5 |
| 57.5°  | 659.3  | 668.9  | 688.1  | 694.5  | 707.3  | 747.3  | 795.3  | 880.2  | 1009.8 | 1137.8 | 1248.2 |
| 60°    | 592.1  | 598.5  | 609.7  | 624.1  | 633.7  | 660.9  | 705.7  | 776.1  | 880.2  | 997.0  | 1086.6 |
| 62.5°  | 528.1  | 537.7  | 540.9  | 547.3  | 555.3  | 580.9  | 616.1  | 667.3  | 758.5  | 854.6  | 949.0  |
| 65°    | 462.5  | 470.5  | 476.9  | 478.5  | 486.5  | 505.7  | 537.7  | 582.5  | 641.7  | 724.9  | 813.0  |
| 67.5°  | 401.7  | 406.5  | 409.7  | 416.1  | 424.1  | 433.7  | 459.3  | 492.9  | 547.3  | 614.5  | 684.9  |
| 70°    | 345.7  | 345.7  | 350.5  | 352.1  | 361.7  | 372.9  | 384.1  | 416.1  | 464.1  | 518.5  | 566.5  |
| 72.5°  | 284.9  | 292.9  | 291.3  | 299.3  | 297.7  | 305.7  | 320.1  | 340.9  | 376.1  | 419.3  | 465.7  |
| 75°    | 232.0  | 236.8  | 236.8  | 236.8  | 240.0  | 246.4  | 254.4  | 273.7  | 300.9  | 336.1  | 363.3  |
| 77.5°  | 180.8  | 184.0  | 184.0  | 184.0  | 185.6  | 192.0  | 200.0  | 212.8  | 232.0  | 252.8  | 268.9  |
| 80°    | 129.6  | 132.8  | 132.8  | 136.0  | 136.0  | 137.6  | 145.6  | 152.0  | 161.6  | 177.6  | 193.6  |
| 82.5°  | 88.0   | 89.6   | 92.8   | 92.8   | 91.2   | 94.4   | 96.0   | 102.4  | 112.0  | 115.2  | 126.4  |
| 85°    | 48.0   | 49.6   | 51.2   | 51.2   | 52.8   | 56.0   | 54.4   | 60.8   | 60.8   | 67.2   | 70.4   |
| 87.5°  | 19.2   | 22.4   | 22.4   | 20.8   | 22.4   | 22.4   | 22.4   | 25.6   | 27.2   | 28.8   | 27.2   |
| 90°    | 12.6   | 12.0   | 11.4   | 11.4   | 11.4   | 10.9   | 10.3   | 9.7    | 10.3   | 9.1    | 8.0    |
| 92.5°  | 54.3   | 58.3   | 66.9   | 74.1   | 81.2   | 102.9  | 137.7  | 186.3  | 224.0  | 196.0  | 142.3  |
| 95°    | 157.2  | 174.9  | 202.9  | 230.6  | 258.3  | 334.9  | 423.5  | 479.0  | 465.8  | 351.5  | 214.9  |
| 97.5°  | 365.8  | 400.1  | 439.0  | 471.0  | 503.0  | 565.8  | 609.8  | 600.7  | 498.4  | 336.6  | 196.0  |
| 100°   | 545.8  | 580.7  | 630.4  | 651.6  | 672.7  | 700.7  | 689.3  | 605.8  | 459.5  | 298.4  | 181.8  |
| 102.5° | 710.4  | 733.3  | 759.0  | 764.8  | 770.5  | 753.3  | 685.3  | 563.0  | 410.9  | 272.6  | 177.8  |
| 105°   | 815.6  | 820.2  | 819.0  | 807.3  | 795.6  | 739.0  | 640.1  | 509.3  | 374.9  | 260.1  | 180.0  |
| 107.5° | 853.9  | 843.6  | 818.5  | 794.5  | 770.5  | 691.6  | 584.7  | 465.2  | 351.5  | 256.6  | 186.9  |
| 110°   | 844.8  | 820.8  | 780.2  | 748.8  | 717.3  | 634.4  | 535.5  | 433.8  | 340.6  | 257.8  | 194.9  |

TEST NUMBER: P1001009

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 801.9 | 771.6 | 724.2 | 692.8  | 661.3 | 584.1 | 499.5 | 416.1 | 335.5 | 261.2 | 203.5 |
| 115°   | 749.3 | 715.0 | 669.9 | 642.4  | 615.0 | 548.1 | 477.8 | 406.4 | 334.4 | 265.8 | 212.6 |
| 117.5° | 696.7 | 667.0 | 627.0 | 603.0  | 579.0 | 524.7 | 465.2 | 401.2 | 333.8 | 270.3 | 221.8 |
| 120°   | 654.4 | 629.3 | 596.7 | 576.4  | 556.1 | 510.4 | 457.2 | 397.2 | 333.8 | 275.5 | 231.5 |
| 122.5° | 623.0 | 602.4 | 576.1 | 559.0  | 541.8 | 501.3 | 450.4 | 392.7 | 333.2 | 280.6 | 240.6 |
| 125°   | 601.8 | 585.3 | 562.4 | 546.7  | 531.0 | 491.5 | 442.4 | 387.5 | 332.6 | 285.8 | 249.8 |
| 127.5° | 587.6 | 572.7 | 549.8 | 535.0  | 520.1 | 480.7 | 433.2 | 380.7 | 331.5 | 289.8 | 257.8 |
| 130°   | 573.8 | 559.6 | 536.1 | 521.0  | 505.8 | 467.0 | 421.8 | 374.4 | 330.9 | 294.4 | 265.2 |
| 132.5° | 559.0 | 542.4 | 519.5 | 504.4  | 489.3 | 451.5 | 409.8 | 368.7 | 330.4 | 298.4 | 272.6 |
| 135°   | 538.4 | 522.4 | 499.5 | 485.2  | 471.0 | 436.1 | 398.9 | 362.9 | 329.8 | 302.4 | 278.9 |
| 137.5° | 516.1 | 499.5 | 477.8 | 464.6  | 451.5 | 421.2 | 388.7 | 357.8 | 329.8 | 304.6 | 283.5 |
| 140°   | 489.3 | 476.7 | 456.7 | 444.7  | 432.7 | 406.9 | 380.1 | 353.8 | 329.2 | 307.5 | 288.1 |
| 142.5° | 464.7 | 453.2 | 436.1 | 426.1  | 416.1 | 394.9 | 372.1 | 350.4 | 329.2 | 309.8 | 291.5 |
| 145°   | 441.2 | 431.5 | 417.2 | 409.2  | 401.2 | 384.1 | 364.7 | 346.4 | 328.1 | 310.4 | 293.8 |
| 147.5° | 421.2 | 412.7 | 401.8 | 395.2  | 388.7 | 374.4 | 358.4 | 342.9 | 326.4 | 310.9 | 296.1 |
| 150°   | 404.1 | 396.7 | 387.5 | 382.4  | 377.2 | 365.8 | 352.6 | 338.9 | 324.6 | 310.9 | 297.8 |
| 152.5° | 388.7 | 382.9 | 375.5 | 371.5  | 367.5 | 357.2 | 346.4 | 334.4 | 321.8 | 309.8 | 298.9 |
| 155°   | 374.9 | 370.4 | 364.7 | 361.2  | 357.8 | 349.2 | 340.1 | 329.8 | 318.9 | 308.6 | 299.5 |
| 157.5° | 362.4 | 358.9 | 354.4 | 351.5  | 348.6 | 341.2 | 333.2 | 325.2 | 316.1 | 307.5 | 299.5 |
| 160°   | 350.9 | 347.5 | 344.1 | 341.8  | 339.5 | 333.2 | 326.9 | 320.1 | 312.6 | 305.8 | 299.5 |
| 162.5° | 340.1 | 336.6 | 334.4 | 332.4  | 330.4 | 325.8 | 320.6 | 315.5 | 309.2 | 304.1 | 299.5 |
| 165°   | 329.8 | 327.5 | 325.2 | 323.8  | 322.4 | 318.4 | 314.9 | 310.4 | 305.8 | 301.8 | 298.4 |
| 167.5° | 320.1 | 318.4 | 317.2 | 316.4  | 315.5 | 312.1 | 309.2 | 305.8 | 302.4 | 299.5 | 297.2 |
| 170°   | 311.5 | 310.9 | 309.8 | 309.0  | 308.1 | 305.8 | 304.1 | 301.2 | 298.9 | 297.2 | 296.1 |
| 172.5° | 304.1 | 303.5 | 302.9 | 302.4  | 301.8 | 300.6 | 299.5 | 297.2 | 295.5 | 294.9 | 294.9 |
| 175°   | 298.4 | 297.2 | 297.2 | 297.2  | 297.2 | 296.1 | 295.5 | 294.4 | 293.2 | 293.2 | 293.8 |
| 177.5° | 293.8 | 293.2 | 293.8 | 293.5  | 293.2 | 293.2 | 292.6 | 292.1 | 291.5 | 291.5 | 292.6 |
| 180°   | 290.9 | 290.9 | 290.9 | 290.9  | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 |

TEST NUMBER: P1001009

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 |
| 2.5°   | 1992.4 | 1986.0 | 1981.2 | 1981.2 | 1966.8 | 1952.4 | 1944.4 | 1941.2 | 1938.0 | 1925.2 | 1907.6 |
| 5°     | 2074.0 | 2053.2 | 2038.8 | 2024.4 | 2000.4 | 1974.8 | 1949.2 | 1934.8 | 1914.0 | 1885.2 | 1864.3 |
| 7.5°   | 2165.2 | 2115.6 | 2099.6 | 2082.0 | 2034.0 | 1990.8 | 1955.6 | 1925.2 | 1891.6 | 1854.7 | 1817.9 |
| 10°    | 2242.0 | 2189.2 | 2154.0 | 2123.6 | 2061.2 | 2003.6 | 1950.8 | 1906.0 | 1862.7 | 1814.7 | 1769.9 |
| 12.5°  | 2315.6 | 2240.4 | 2203.6 | 2158.8 | 2093.2 | 2010.0 | 1941.2 | 1885.2 | 1821.1 | 1771.5 | 1717.1 |
| 15°    | 2418.1 | 2291.6 | 2230.8 | 2202.0 | 2114.0 | 2016.4 | 1933.2 | 1849.9 | 1797.1 | 1721.9 | 1673.9 |
| 17.5°  | 2434.1 | 2331.6 | 2291.6 | 2218.0 | 2112.4 | 2002.0 | 1906.0 | 1822.7 | 1742.7 | 1675.5 | 1613.1 |
| 20°    | 2490.1 | 2355.6 | 2291.6 | 2245.2 | 2106.0 | 1994.0 | 1888.4 | 1781.1 | 1704.3 | 1632.3 | 1561.9 |
| 22.5°  | 2525.3 | 2373.2 | 2306.0 | 2232.4 | 2099.6 | 1965.2 | 1840.3 | 1747.5 | 1653.1 | 1579.5 | 1523.5 |
| 25°    | 2515.7 | 2363.6 | 2288.4 | 2219.6 | 2058.0 | 1923.6 | 1811.5 | 1693.1 | 1605.1 | 1525.1 | 1451.5 |
| 27.5°  | 2510.9 | 2339.6 | 2259.6 | 2182.8 | 2030.8 | 1890.0 | 1749.1 | 1653.1 | 1555.5 | 1462.7 | 1408.3 |
| 30°    | 2498.1 | 2309.2 | 2216.4 | 2133.2 | 1974.8 | 1827.5 | 1707.5 | 1595.5 | 1497.9 | 1413.1 | 1341.0 |
| 32.5°  | 2454.9 | 2258.0 | 2168.4 | 2078.8 | 1914.0 | 1766.7 | 1645.1 | 1541.1 | 1443.5 | 1355.5 | 1286.6 |
| 35°    | 2397.2 | 2197.2 | 2099.6 | 2005.2 | 1840.3 | 1691.5 | 1579.5 | 1470.7 | 1379.5 | 1294.6 | 1229.0 |
| 37.5°  | 2339.6 | 2126.8 | 2035.6 | 1926.8 | 1774.7 | 1619.5 | 1504.3 | 1406.7 | 1321.8 | 1233.8 | 1161.8 |
| 40°    | 2256.4 | 2043.6 | 1942.8 | 1849.9 | 1672.3 | 1526.7 | 1421.1 | 1333.0 | 1249.8 | 1166.6 | 1105.8 |
| 42.5°  | 2142.8 | 1952.4 | 1848.3 | 1745.9 | 1579.5 | 1435.5 | 1333.0 | 1254.6 | 1176.2 | 1107.4 | 1040.2 |
| 45°    | 2027.6 | 1841.9 | 1749.1 | 1657.9 | 1477.1 | 1341.0 | 1246.6 | 1174.6 | 1109.0 | 1033.8 | 979.4  |
| 47.5°  | 1888.4 | 1731.5 | 1638.7 | 1549.1 | 1377.9 | 1241.8 | 1155.4 | 1088.2 | 1027.4 | 965.0  | 913.8  |
| 50°    | 1745.9 | 1609.9 | 1525.1 | 1432.3 | 1269.0 | 1145.8 | 1061.0 | 1005.0 | 955.4  | 896.2  | 854.6  |
| 52.5°  | 1592.3 | 1473.9 | 1401.9 | 1312.2 | 1168.2 | 1054.6 | 968.2  | 912.2  | 870.6  | 827.4  | 790.5  |
| 55°    | 1429.1 | 1342.7 | 1265.8 | 1193.8 | 1057.8 | 955.4  | 878.6  | 829.0  | 800.1  | 760.1  | 728.1  |
| 57.5°  | 1281.8 | 1198.6 | 1152.2 | 1070.6 | 952.2  | 851.4  | 790.5  | 748.9  | 715.3  | 691.3  | 665.7  |
| 60°    | 1128.2 | 1061.0 | 1009.8 | 950.6  | 846.6  | 761.7  | 697.7  | 673.7  | 638.5  | 620.9  | 609.7  |
| 62.5°  | 981.0  | 933.0  | 885.0  | 840.2  | 747.3  | 667.3  | 619.3  | 588.9  | 568.1  | 550.5  | 540.9  |
| 65°    | 841.8  | 796.9  | 763.3  | 723.3  | 646.5  | 582.5  | 537.7  | 513.7  | 492.9  | 488.1  | 476.9  |
| 67.5°  | 705.7  | 686.5  | 649.7  | 617.7  | 552.1  | 502.5  | 468.9  | 438.5  | 427.3  | 422.5  | 412.9  |
| 70°    | 590.5  | 568.1  | 539.3  | 512.1  | 462.5  | 419.3  | 388.9  | 377.7  | 361.7  | 360.1  | 348.9  |
| 72.5°  | 486.5  | 459.3  | 438.5  | 417.7  | 380.9  | 342.5  | 326.5  | 310.5  | 302.5  | 296.1  | 291.3  |
| 75°    | 385.7  | 366.5  | 352.1  | 334.5  | 302.5  | 276.9  | 254.4  | 248.0  | 243.2  | 241.6  | 238.4  |
| 77.5°  | 288.1  | 275.3  | 268.9  | 251.2  | 228.8  | 206.4  | 196.8  | 187.2  | 187.2  | 184.0  | 185.6  |
| 80°    | 204.8  | 196.8  | 188.8  | 179.2  | 160.0  | 150.4  | 142.4  | 136.0  | 132.8  | 131.2  | 132.8  |
| 82.5°  | 129.6  | 124.8  | 123.2  | 116.8  | 104.0  | 99.2   | 92.8   | 88.0   | 88.0   | 88.0   | 88.0   |
| 85°    | 72.0   | 72.0   | 72.0   | 62.4   | 57.6   | 52.8   | 49.6   | 48.0   | 48.0   | 48.0   | 49.6   |
| 87.5°  | 30.4   | 30.4   | 25.6   | 25.6   | 24.0   | 20.8   | 19.2   | 19.2   | 20.8   | 20.8   | 22.4   |
| 90°    | 8.0    | 4.6    | 4.6    | 4.6    | 4.0    | 3.4    | 1.7    | 0.6    | 1.7    | 3.4    | 4.0    |
| 92.5°  | 86.9   | 51.4   | 44.0   | 36.6   | 26.3   | 17.7   | 11.4   | 8.0    | 11.4   | 17.7   | 26.3   |
| 95°    | 121.2  | 71.4   | 59.4   | 47.4   | 33.7   | 26.3   | 20.6   | 18.9   | 20.6   | 26.3   | 33.7   |
| 97.5°  | 115.5  | 76.0   | 65.7   | 55.4   | 43.4   | 36.6   | 31.4   | 31.4   | 31.4   | 36.6   | 43.4   |
| 100°   | 117.2  | 83.4   | 74.3   | 65.2   | 54.3   | 47.4   | 43.4   | 43.4   | 43.4   | 47.4   | 54.3   |
| 102.5° | 122.9  | 93.2   | 84.6   | 76.0   | 65.7   | 59.4   | 56.0   | 54.9   | 56.0   | 59.4   | 65.7   |
| 105°   | 132.6  | 105.2  | 96.9   | 88.6   | 78.3   | 71.4   | 68.6   | 66.9   | 68.6   | 71.4   | 78.3   |
| 107.5° | 142.9  | 117.7  | 109.4  | 101.2  | 91.4   | 84.0   | 81.2   | 80.0   | 81.2   | 84.0   | 91.4   |
| 110°   | 154.9  | 129.7  | 122.0  | 114.3  | 104.0  | 97.2   | 94.3   | 93.2   | 94.3   | 97.2   | 104.0  |

TEST NUMBER: P1001009

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 166.3 | 142.3 | 134.6  | 126.9 | 116.6 | 110.3 | 106.9 | 105.7 | 106.9 | 110.3 | 116.6 |
| 115°   | 178.3 | 155.5 | 147.8  | 140.0 | 129.2 | 123.5 | 119.5 | 117.7 | 119.5 | 123.5 | 129.2 |
| 117.5° | 189.8 | 168.0 | 160.0  | 152.0 | 141.7 | 135.5 | 132.0 | 130.3 | 132.0 | 135.5 | 141.7 |
| 120°   | 201.8 | 180.0 | 172.0  | 164.0 | 154.3 | 148.0 | 144.0 | 142.9 | 144.0 | 148.0 | 154.3 |
| 122.5° | 213.2 | 191.5 | 183.8  | 176.0 | 165.2 | 159.5 | 155.5 | 154.3 | 155.5 | 159.5 | 165.2 |
| 125°   | 223.5 | 202.9 | 194.9  | 186.9 | 176.0 | 169.8 | 166.3 | 164.0 | 166.3 | 169.8 | 176.0 |
| 127.5° | 233.2 | 213.2 | 205.2  | 197.2 | 185.8 | 178.9 | 174.9 | 173.2 | 174.9 | 178.9 | 185.8 |
| 130°   | 242.9 | 223.5 | 215.2  | 206.9 | 196.0 | 187.5 | 182.9 | 180.6 | 182.9 | 187.5 | 196.0 |
| 132.5° | 250.9 | 231.5 | 223.8  | 216.0 | 204.0 | 196.0 | 189.8 | 188.0 | 189.8 | 196.0 | 204.0 |
| 135°   | 258.3 | 239.5 | 232.0  | 224.6 | 212.6 | 202.9 | 197.2 | 194.9 | 197.2 | 202.9 | 212.6 |
| 137.5° | 264.1 | 246.3 | 239.2  | 232.1 | 219.5 | 210.3 | 204.0 | 201.8 | 204.0 | 210.3 | 219.5 |
| 140°   | 269.8 | 252.6 | 245.8  | 238.9 | 226.9 | 217.2 | 210.9 | 209.2 | 210.9 | 217.2 | 226.9 |
| 142.5° | 274.9 | 258.3 | 251.8  | 245.2 | 233.8 | 224.6 | 218.9 | 217.2 | 218.9 | 224.6 | 233.8 |
| 145°   | 278.3 | 263.5 | 257.2  | 250.9 | 240.1 | 232.1 | 226.3 | 224.6 | 226.3 | 232.1 | 240.1 |
| 147.5° | 282.3 | 268.1 | 262.4  | 256.6 | 247.5 | 238.9 | 233.8 | 233.2 | 233.8 | 238.9 | 247.5 |
| 150°   | 285.2 | 272.6 | 267.2  | 261.8 | 253.2 | 246.3 | 241.8 | 241.2 | 241.8 | 246.3 | 253.2 |
| 152.5° | 287.5 | 276.6 | 271.8  | 266.9 | 259.5 | 253.2 | 248.6 | 248.6 | 248.6 | 253.2 | 259.5 |
| 155°   | 289.8 | 280.1 | 275.8  | 271.5 | 265.2 | 259.5 | 256.1 | 255.5 | 256.1 | 259.5 | 265.2 |
| 157.5° | 291.5 | 282.9 | 279.5  | 276.1 | 270.3 | 265.8 | 262.3 | 262.3 | 262.3 | 265.8 | 270.3 |
| 160°   | 292.6 | 285.8 | 282.6  | 279.5 | 274.9 | 270.9 | 268.6 | 268.6 | 268.6 | 270.9 | 274.9 |
| 162.5° | 293.8 | 287.5 | 285.2  | 282.9 | 278.9 | 275.5 | 273.8 | 274.3 | 273.8 | 275.5 | 278.9 |
| 165°   | 293.8 | 288.6 | 286.9  | 285.2 | 282.3 | 279.5 | 278.3 | 278.3 | 278.3 | 279.5 | 282.3 |
| 167.5° | 293.8 | 289.8 | 288.4  | 286.9 | 285.2 | 282.9 | 282.3 | 282.9 | 282.3 | 282.9 | 285.2 |
| 170°   | 293.2 | 290.4 | 289.5  | 288.6 | 287.5 | 285.8 | 285.2 | 285.8 | 285.2 | 285.8 | 287.5 |
| 172.5° | 292.6 | 290.9 | 290.4  | 289.8 | 289.2 | 288.1 | 288.1 | 288.6 | 288.1 | 288.1 | 289.2 |
| 175°   | 292.1 | 290.9 | 290.9  | 290.9 | 290.4 | 289.8 | 289.8 | 290.4 | 289.8 | 289.8 | 290.4 |
| 177.5° | 291.5 | 290.9 | 290.9  | 290.9 | 290.9 | 290.4 | 290.9 | 291.5 | 290.9 | 290.4 | 290.9 |
| 180°   | 290.9 | 290.9 | 290.9  | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 |

TEST NUMBER: P1001009

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 |
| 2.5°   | 1902.8 | 1896.4 | 1899.6 | 1883.6 | 1869.1 | 1848.3 | 1830.7 | 1827.5 | 1824.3 | 1833.9 | 1827.5 |
| 5°     | 1848.3 | 1840.3 | 1832.3 | 1813.1 | 1784.3 | 1766.7 | 1741.1 | 1739.5 | 1729.9 | 1715.5 | 1718.7 |
| 7.5°   | 1789.1 | 1784.3 | 1773.1 | 1742.7 | 1717.1 | 1686.7 | 1665.9 | 1648.3 | 1640.3 | 1627.5 | 1622.7 |
| 10°    | 1741.1 | 1723.5 | 1713.9 | 1680.3 | 1649.9 | 1617.9 | 1590.7 | 1577.9 | 1563.5 | 1552.3 | 1544.3 |
| 12.5°  | 1675.5 | 1670.7 | 1643.5 | 1616.3 | 1590.7 | 1553.9 | 1533.1 | 1496.3 | 1477.1 | 1486.7 | 1483.5 |
| 15°    | 1632.3 | 1609.9 | 1603.5 | 1565.1 | 1521.9 | 1497.9 | 1459.5 | 1435.5 | 1427.5 | 1413.1 | 1395.5 |
| 17.5°  | 1574.7 | 1560.3 | 1537.9 | 1502.7 | 1453.1 | 1419.5 | 1392.3 | 1369.9 | 1360.3 | 1341.0 | 1326.6 |
| 20°    | 1520.3 | 1496.3 | 1478.7 | 1446.7 | 1398.7 | 1355.5 | 1321.8 | 1307.4 | 1283.4 | 1267.4 | 1259.4 |
| 22.5°  | 1470.7 | 1453.1 | 1427.5 | 1379.5 | 1337.8 | 1296.2 | 1256.2 | 1235.4 | 1213.0 | 1203.4 | 1190.6 |
| 25°    | 1409.9 | 1381.1 | 1363.5 | 1310.6 | 1265.8 | 1232.2 | 1195.4 | 1168.2 | 1155.4 | 1139.4 | 1136.2 |
| 27.5°  | 1350.7 | 1323.4 | 1302.6 | 1256.2 | 1201.8 | 1158.6 | 1136.2 | 1117.0 | 1094.6 | 1094.6 | 1086.6 |
| 30°    | 1291.4 | 1272.2 | 1240.2 | 1195.4 | 1144.2 | 1102.6 | 1077.0 | 1059.4 | 1051.4 | 1045.0 | 1043.4 |
| 32.5°  | 1232.2 | 1206.6 | 1187.4 | 1126.6 | 1088.2 | 1049.8 | 1030.6 | 1016.2 | 1006.6 | 1005.0 | 1006.6 |
| 35°    | 1171.4 | 1142.6 | 1123.4 | 1069.0 | 1030.6 | 995.4  | 987.4  | 974.6  | 969.8  | 968.2  | 976.2  |
| 37.5°  | 1107.4 | 1085.0 | 1061.0 | 1016.2 | 973.0  | 952.2  | 936.2  | 931.4  | 929.8  | 939.4  | 942.6  |
| 40°    | 1048.2 | 1029.0 | 1006.6 | 958.6  | 926.6  | 904.2  | 896.2  | 891.4  | 897.8  | 907.4  | 912.2  |
| 42.5°  | 992.2  | 965.0  | 947.4  | 904.2  | 875.4  | 862.6  | 853.0  | 853.0  | 859.4  | 870.6  | 878.6  |
| 45°    | 933.0  | 912.2  | 894.6  | 856.2  | 830.6  | 816.2  | 814.6  | 816.2  | 824.2  | 832.2  | 841.8  |
| 47.5°  | 875.4  | 854.6  | 835.4  | 803.3  | 780.9  | 772.9  | 771.3  | 772.9  | 785.7  | 796.9  | 808.2  |
| 50°    | 822.6  | 800.1  | 782.5  | 752.1  | 734.5  | 724.9  | 726.5  | 734.5  | 744.1  | 760.1  | 774.5  |
| 52.5°  | 760.1  | 744.1  | 728.1  | 700.9  | 684.9  | 678.5  | 683.3  | 689.7  | 707.3  | 718.5  | 736.1  |
| 55°    | 699.3  | 684.9  | 672.1  | 651.3  | 638.5  | 633.7  | 636.9  | 646.5  | 660.9  | 680.1  | 700.9  |
| 57.5°  | 643.3  | 627.3  | 614.5  | 600.1  | 585.7  | 587.3  | 588.9  | 601.7  | 619.3  | 636.9  | 660.9  |
| 60°    | 580.9  | 571.3  | 560.1  | 542.5  | 536.1  | 536.1  | 540.9  | 555.3  | 571.3  | 600.1  | 620.9  |
| 62.5°  | 524.9  | 512.1  | 504.1  | 492.9  | 483.3  | 484.9  | 496.1  | 508.9  | 528.1  | 552.1  | 579.3  |
| 65°    | 467.3  | 452.9  | 446.5  | 436.9  | 433.7  | 435.3  | 443.3  | 462.5  | 483.3  | 504.1  | 529.7  |
| 67.5°  | 403.3  | 398.5  | 392.1  | 382.5  | 385.7  | 387.3  | 395.3  | 411.3  | 433.7  | 454.5  | 483.3  |
| 70°    | 348.9  | 339.3  | 337.7  | 329.7  | 329.7  | 334.5  | 350.5  | 361.7  | 382.5  | 404.9  | 435.3  |
| 72.5°  | 291.3  | 283.3  | 283.3  | 276.9  | 281.7  | 286.5  | 294.5  | 310.5  | 329.7  | 352.1  | 377.7  |
| 75°    | 232.0  | 228.8  | 232.0  | 228.8  | 228.8  | 236.8  | 246.4  | 259.2  | 280.1  | 304.1  | 324.9  |
| 77.5°  | 179.2  | 179.2  | 177.6  | 182.4  | 182.4  | 187.2  | 200.0  | 212.8  | 228.8  | 248.0  | 270.5  |
| 80°    | 131.2  | 131.2  | 131.2  | 136.0  | 140.8  | 140.8  | 148.8  | 164.8  | 179.2  | 192.0  | 212.8  |
| 82.5°  | 89.6   | 89.6   | 89.6   | 92.8   | 99.2   | 99.2   | 108.8  | 118.4  | 134.4  | 145.6  | 155.2  |
| 85°    | 54.4   | 54.4   | 52.8   | 56.0   | 57.6   | 62.4   | 70.4   | 76.8   | 84.8   | 94.4   | 104.0  |
| 87.5°  | 24.0   | 24.0   | 25.6   | 27.2   | 28.8   | 32.0   | 35.2   | 38.4   | 46.4   | 49.6   | 54.4   |
| 90°    | 4.6    | 4.6    | 4.6    | 8.0    | 8.0    | 9.1    | 10.3   | 9.7    | 10.3   | 10.9   | 11.4   |
| 92.5°  | 36.6   | 44.0   | 51.4   | 86.9   | 142.3  | 196.0  | 224.0  | 186.3  | 137.7  | 102.9  | 81.2   |
| 95°    | 47.4   | 59.4   | 71.4   | 121.2  | 214.9  | 351.5  | 465.8  | 479.0  | 423.5  | 334.9  | 258.3  |
| 97.5°  | 55.4   | 65.7   | 76.0   | 115.5  | 196.0  | 336.6  | 498.4  | 600.7  | 609.8  | 565.8  | 503.0  |
| 100°   | 65.2   | 74.3   | 83.4   | 117.2  | 181.8  | 298.4  | 459.5  | 605.8  | 689.3  | 700.7  | 672.7  |
| 102.5° | 76.0   | 84.6   | 93.2   | 122.9  | 177.8  | 272.6  | 410.9  | 563.0  | 685.3  | 753.3  | 770.5  |
| 105°   | 88.6   | 96.9   | 105.2  | 132.6  | 180.0  | 260.1  | 374.9  | 509.3  | 640.1  | 739.0  | 795.6  |
| 107.5° | 101.2  | 109.4  | 117.7  | 142.9  | 186.9  | 256.6  | 351.5  | 465.2  | 584.7  | 691.6  | 770.5  |
| 110°   | 114.3  | 122.0  | 129.7  | 154.9  | 194.9  | 257.8  | 340.6  | 433.8  | 535.5  | 634.4  | 717.3  |

TEST NUMBER: P1001009

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 126.9 | 134.6  | 142.3 | 166.3 | 203.5 | 261.2 | 335.5 | 416.1 | 499.5 | 584.1 | 661.3 |
| 115°   | 140.0 | 147.8  | 155.5 | 178.3 | 212.6 | 265.8 | 334.4 | 406.4 | 477.8 | 548.1 | 615.0 |
| 117.5° | 152.0 | 160.0  | 168.0 | 189.8 | 221.8 | 270.3 | 333.8 | 401.2 | 465.2 | 524.7 | 579.0 |
| 120°   | 164.0 | 172.0  | 180.0 | 201.8 | 231.5 | 275.5 | 333.8 | 397.2 | 457.2 | 510.4 | 556.1 |
| 122.5° | 176.0 | 183.8  | 191.5 | 213.2 | 240.6 | 280.6 | 333.2 | 392.7 | 450.4 | 501.3 | 541.8 |
| 125°   | 186.9 | 194.9  | 202.9 | 223.5 | 249.8 | 285.8 | 332.6 | 387.5 | 442.4 | 491.5 | 531.0 |
| 127.5° | 197.2 | 205.2  | 213.2 | 233.2 | 257.8 | 289.8 | 331.5 | 380.7 | 433.2 | 480.7 | 520.1 |
| 130°   | 206.9 | 215.2  | 223.5 | 242.9 | 265.2 | 294.4 | 330.9 | 374.4 | 421.8 | 467.0 | 505.8 |
| 132.5° | 216.0 | 223.8  | 231.5 | 250.9 | 272.6 | 298.4 | 330.4 | 368.7 | 409.8 | 451.5 | 489.3 |
| 135°   | 224.6 | 232.0  | 239.5 | 258.3 | 278.9 | 302.4 | 329.8 | 362.9 | 398.9 | 436.1 | 471.0 |
| 137.5° | 232.1 | 239.2  | 246.3 | 264.1 | 283.5 | 304.6 | 329.8 | 357.8 | 388.7 | 421.2 | 451.5 |
| 140°   | 238.9 | 245.8  | 252.6 | 269.8 | 288.1 | 307.5 | 329.2 | 353.8 | 380.1 | 406.9 | 432.7 |
| 142.5° | 245.2 | 251.8  | 258.3 | 274.9 | 291.5 | 309.8 | 329.2 | 350.4 | 372.1 | 394.9 | 416.1 |
| 145°   | 250.9 | 257.2  | 263.5 | 278.3 | 293.8 | 310.4 | 328.1 | 346.4 | 364.7 | 384.1 | 401.2 |
| 147.5° | 256.6 | 262.4  | 268.1 | 282.3 | 296.1 | 310.9 | 326.4 | 342.9 | 358.4 | 374.4 | 388.7 |
| 150°   | 261.8 | 267.2  | 272.6 | 285.2 | 297.8 | 310.9 | 324.6 | 338.9 | 352.6 | 365.8 | 377.2 |
| 152.5° | 266.9 | 271.8  | 276.6 | 287.5 | 298.9 | 309.8 | 321.8 | 334.4 | 346.4 | 357.2 | 367.5 |
| 155°   | 271.5 | 275.8  | 280.1 | 289.8 | 299.5 | 308.6 | 318.9 | 329.8 | 340.1 | 349.2 | 357.8 |
| 157.5° | 276.1 | 279.5  | 282.9 | 291.5 | 299.5 | 307.5 | 316.1 | 325.2 | 333.2 | 341.2 | 348.6 |
| 160°   | 279.5 | 282.6  | 285.8 | 292.6 | 299.5 | 305.8 | 312.6 | 320.1 | 326.9 | 333.2 | 339.5 |
| 162.5° | 282.9 | 285.2  | 287.5 | 293.8 | 299.5 | 304.1 | 309.2 | 315.5 | 320.6 | 325.8 | 330.4 |
| 165°   | 285.2 | 286.9  | 288.6 | 293.8 | 298.4 | 301.8 | 305.8 | 310.4 | 314.9 | 318.4 | 322.4 |
| 167.5° | 286.9 | 288.4  | 289.8 | 293.8 | 297.2 | 299.5 | 302.4 | 305.8 | 309.2 | 312.1 | 315.5 |
| 170°   | 288.6 | 289.5  | 290.4 | 293.2 | 296.1 | 297.2 | 298.9 | 301.2 | 304.1 | 305.8 | 308.1 |
| 172.5° | 289.8 | 290.4  | 290.9 | 292.6 | 294.9 | 294.9 | 295.5 | 297.2 | 299.5 | 300.6 | 301.8 |
| 175°   | 290.9 | 290.9  | 290.9 | 292.1 | 293.8 | 293.2 | 293.2 | 294.4 | 295.5 | 296.1 | 297.2 |
| 177.5° | 290.9 | 290.9  | 290.9 | 291.5 | 292.6 | 291.5 | 291.5 | 292.1 | 292.6 | 293.2 | 293.2 |
| 180°   | 290.9 | 290.9  | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 |



TEST NUMBER: P1001009

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 |
| 2.5°   | 1822.7 | 1821.1 | 1813.1 | 1816.3 | 1806.7 | 1809.9 | 1814.7 | 1816.3 | 1822.7 | 1817.9 | 1816.3 |
| 5°     | 1710.7 | 1707.5 | 1702.7 | 1697.9 | 1696.3 | 1702.7 | 1691.5 | 1694.7 | 1697.9 | 1702.7 | 1709.1 |
| 7.5°   | 1619.5 | 1617.9 | 1613.1 | 1605.1 | 1601.9 | 1598.7 | 1600.3 | 1611.5 | 1609.9 | 1608.3 | 1619.5 |
| 10°    | 1536.3 | 1537.9 | 1528.3 | 1526.7 | 1517.1 | 1515.5 | 1517.1 | 1520.3 | 1525.1 | 1531.5 | 1533.1 |
| 12.5°  | 1449.9 | 1470.7 | 1453.1 | 1446.7 | 1432.3 | 1440.3 | 1443.5 | 1429.1 | 1437.1 | 1441.9 | 1465.9 |
| 15°    | 1395.5 | 1385.9 | 1374.7 | 1374.7 | 1368.3 | 1365.1 | 1357.1 | 1368.3 | 1374.7 | 1384.3 | 1381.1 |
| 17.5°  | 1320.2 | 1304.2 | 1297.8 | 1291.4 | 1293.0 | 1299.4 | 1281.8 | 1307.4 | 1307.4 | 1312.2 | 1304.2 |
| 20°    | 1254.6 | 1241.8 | 1233.8 | 1230.6 | 1225.8 | 1222.6 | 1221.0 | 1227.4 | 1237.0 | 1240.2 | 1248.2 |
| 22.5°  | 1185.8 | 1185.8 | 1173.0 | 1168.2 | 1165.0 | 1160.2 | 1168.2 | 1163.4 | 1169.8 | 1176.2 | 1189.0 |
| 25°    | 1128.2 | 1128.2 | 1123.4 | 1117.0 | 1112.2 | 1109.0 | 1113.8 | 1112.2 | 1117.0 | 1125.0 | 1128.2 |
| 27.5°  | 1081.8 | 1077.0 | 1075.4 | 1073.8 | 1072.2 | 1073.8 | 1072.2 | 1077.0 | 1081.8 | 1083.4 | 1080.2 |
| 30°    | 1041.8 | 1037.0 | 1038.6 | 1038.6 | 1040.2 | 1038.6 | 1037.0 | 1041.8 | 1043.4 | 1040.2 | 1041.8 |
| 32.5°  | 1005.0 | 1005.0 | 1008.2 | 1009.8 | 1009.8 | 1011.4 | 1013.0 | 1009.8 | 1011.4 | 1006.6 | 1008.2 |
| 35°    | 974.6  | 977.8  | 981.0  | 982.6  | 984.2  | 982.6  | 985.8  | 984.2  | 981.0  | 977.8  | 976.2  |
| 37.5°  | 944.2  | 947.4  | 953.8  | 955.4  | 960.2  | 961.8  | 958.6  | 958.6  | 957.0  | 950.6  | 947.4  |
| 40°    | 912.2  | 915.4  | 923.4  | 928.2  | 931.4  | 936.2  | 933.0  | 933.0  | 926.6  | 920.2  | 915.4  |
| 42.5°  | 881.8  | 888.2  | 896.2  | 901.0  | 907.4  | 907.4  | 907.4  | 904.2  | 896.2  | 889.8  | 885.0  |
| 45°    | 851.4  | 853.0  | 864.2  | 872.2  | 878.6  | 878.6  | 878.6  | 873.8  | 869.0  | 856.2  | 849.8  |
| 47.5°  | 817.8  | 822.6  | 835.4  | 843.4  | 849.8  | 851.4  | 851.4  | 846.6  | 837.0  | 825.8  | 817.8  |
| 50°    | 780.9  | 788.9  | 803.3  | 814.6  | 822.6  | 825.8  | 821.0  | 817.8  | 806.6  | 793.7  | 784.1  |
| 52.5°  | 745.7  | 755.3  | 772.9  | 782.5  | 793.7  | 795.3  | 793.7  | 788.9  | 776.1  | 758.5  | 750.5  |
| 55°    | 710.5  | 718.5  | 737.7  | 753.7  | 763.3  | 766.5  | 763.3  | 755.3  | 739.3  | 721.7  | 713.7  |
| 57.5°  | 672.1  | 683.3  | 704.1  | 720.1  | 731.3  | 732.9  | 729.7  | 721.7  | 708.9  | 686.5  | 675.3  |
| 60°    | 632.1  | 646.5  | 667.3  | 683.3  | 697.7  | 699.3  | 696.1  | 684.9  | 668.9  | 646.5  | 636.9  |
| 62.5°  | 592.1  | 603.3  | 627.3  | 644.9  | 656.1  | 664.1  | 657.7  | 646.5  | 630.5  | 608.1  | 593.7  |
| 65°    | 545.7  | 561.7  | 582.5  | 598.5  | 611.3  | 612.9  | 609.7  | 600.1  | 582.5  | 558.5  | 547.3  |
| 67.5°  | 500.9  | 512.1  | 532.9  | 553.7  | 558.5  | 563.3  | 558.5  | 548.9  | 534.5  | 513.7  | 497.7  |
| 70°    | 446.5  | 456.1  | 481.7  | 496.1  | 502.5  | 507.3  | 504.1  | 494.5  | 481.7  | 462.5  | 449.7  |
| 72.5°  | 392.1  | 400.1  | 424.1  | 435.3  | 448.1  | 446.5  | 444.9  | 438.5  | 420.9  | 408.1  | 400.1  |
| 75°    | 334.5  | 344.1  | 360.1  | 374.5  | 379.3  | 379.3  | 379.3  | 374.5  | 363.3  | 342.5  | 334.5  |
| 77.5°  | 281.7  | 286.5  | 299.3  | 307.3  | 312.1  | 313.7  | 312.1  | 304.1  | 297.7  | 283.3  | 278.5  |
| 80°    | 216.0  | 228.8  | 238.4  | 240.0  | 246.4  | 246.4  | 246.4  | 243.2  | 236.8  | 222.4  | 220.8  |
| 82.5°  | 163.2  | 166.4  | 176.0  | 180.8  | 184.0  | 182.4  | 182.4  | 176.0  | 174.4  | 166.4  | 163.2  |
| 85°    | 110.4  | 115.2  | 113.6  | 120.0  | 121.6  | 118.4  | 118.4  | 121.6  | 113.6  | 115.2  | 110.4  |
| 87.5°  | 60.8   | 60.8   | 64.0   | 62.4   | 68.8   | 68.8   | 65.6   | 67.2   | 64.0   | 62.4   | 60.8   |
| 90°    | 11.4   | 11.4   | 12.0   | 12.6   | 12.0   | 12.0   | 12.0   | 12.6   | 12.0   | 11.4   | 11.4   |
| 92.5°  | 74.1   | 66.9   | 58.3   | 54.3   | 52.0   | 52.0   | 52.0   | 54.3   | 58.3   | 66.9   | 74.1   |
| 95°    | 230.6  | 202.9  | 174.9  | 157.2  | 146.9  | 139.5  | 146.9  | 157.2  | 174.9  | 202.9  | 230.6  |
| 97.5°  | 471.0  | 439.0  | 400.1  | 365.8  | 348.6  | 334.9  | 348.6  | 365.8  | 400.1  | 439.0  | 471.0  |
| 100°   | 651.6  | 630.4  | 580.7  | 545.8  | 528.7  | 524.1  | 528.7  | 545.8  | 580.7  | 630.4  | 651.6  |
| 102.5° | 764.8  | 759.0  | 733.3  | 710.4  | 692.2  | 688.7  | 692.2  | 710.4  | 733.3  | 759.0  | 764.8  |
| 105°   | 807.3  | 819.0  | 820.2  | 815.6  | 807.6  | 804.2  | 807.6  | 815.6  | 820.2  | 819.0  | 807.3  |
| 107.5° | 794.5  | 818.5  | 843.6  | 853.9  | 858.5  | 859.0  | 858.5  | 853.9  | 843.6  | 818.5  | 794.5  |
| 110°   | 748.8  | 780.2  | 820.8  | 844.8  | 855.0  | 860.2  | 855.0  | 844.8  | 820.8  | 780.2  | 748.8  |



TEST NUMBER: P1001009

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 692.8  | 724.2 | 771.6 | 801.9 | 817.3 | 826.5 | 817.3 | 801.9 | 771.6 | 724.2 | 692.8  |
| 115°   | 642.4  | 669.9 | 715.0 | 749.3 | 767.6 | 772.2 | 767.6 | 749.3 | 715.0 | 669.9 | 642.4  |
| 117.5° | 603.0  | 627.0 | 667.0 | 696.7 | 716.2 | 719.0 | 716.2 | 696.7 | 667.0 | 627.0 | 603.0  |
| 120°   | 576.4  | 596.7 | 629.3 | 654.4 | 669.3 | 675.6 | 669.3 | 654.4 | 629.3 | 596.7 | 576.4  |
| 122.5° | 559.0  | 576.1 | 602.4 | 623.0 | 635.0 | 641.3 | 635.0 | 623.0 | 602.4 | 576.1 | 559.0  |
| 125°   | 546.7  | 562.4 | 585.3 | 601.8 | 612.7 | 616.1 | 612.7 | 601.8 | 585.3 | 562.4 | 546.7  |
| 127.5° | 535.0  | 549.8 | 572.7 | 587.6 | 596.7 | 600.1 | 596.7 | 587.6 | 572.7 | 549.8 | 535.0  |
| 130°   | 521.0  | 536.1 | 559.6 | 573.8 | 583.0 | 586.4 | 583.0 | 573.8 | 559.6 | 536.1 | 521.0  |
| 132.5° | 504.4  | 519.5 | 542.4 | 559.0 | 567.6 | 571.0 | 567.6 | 559.0 | 542.4 | 519.5 | 504.4  |
| 135°   | 485.2  | 499.5 | 522.4 | 538.4 | 547.5 | 551.0 | 547.5 | 538.4 | 522.4 | 499.5 | 485.2  |
| 137.5° | 464.6  | 477.8 | 499.5 | 516.1 | 523.5 | 527.5 | 523.5 | 516.1 | 499.5 | 477.8 | 464.6  |
| 140°   | 444.7  | 456.7 | 476.7 | 489.3 | 497.3 | 501.8 | 497.3 | 489.3 | 476.7 | 456.7 | 444.7  |
| 142.5° | 426.1  | 436.1 | 453.2 | 464.7 | 471.5 | 474.4 | 471.5 | 464.7 | 453.2 | 436.1 | 426.1  |
| 145°   | 409.2  | 417.2 | 431.5 | 441.2 | 447.0 | 449.8 | 447.0 | 441.2 | 431.5 | 417.2 | 409.2  |
| 147.5° | 395.2  | 401.8 | 412.7 | 421.2 | 425.8 | 427.0 | 425.8 | 421.2 | 412.7 | 401.8 | 395.2  |
| 150°   | 382.4  | 387.5 | 396.7 | 404.1 | 407.5 | 408.1 | 407.5 | 404.1 | 396.7 | 387.5 | 382.4  |
| 152.5° | 371.5  | 375.5 | 382.9 | 388.7 | 390.4 | 390.9 | 390.4 | 388.7 | 382.9 | 375.5 | 371.5  |
| 155°   | 361.2  | 364.7 | 370.4 | 374.9 | 376.7 | 376.7 | 376.7 | 374.9 | 370.4 | 364.7 | 361.2  |
| 157.5° | 351.5  | 354.4 | 358.9 | 362.4 | 363.5 | 363.5 | 363.5 | 362.4 | 358.9 | 354.4 | 351.5  |
| 160°   | 341.8  | 344.1 | 347.5 | 350.9 | 351.5 | 351.5 | 351.5 | 350.9 | 347.5 | 344.1 | 341.8  |
| 162.5° | 332.4  | 334.4 | 336.6 | 340.1 | 340.6 | 340.1 | 340.6 | 340.1 | 336.6 | 334.4 | 332.4  |
| 165°   | 323.8  | 325.2 | 327.5 | 329.8 | 329.2 | 328.6 | 329.2 | 329.8 | 327.5 | 325.2 | 323.8  |
| 167.5° | 316.4  | 317.2 | 318.4 | 320.1 | 320.1 | 319.5 | 320.1 | 320.1 | 318.4 | 317.2 | 316.4  |
| 170°   | 309.0  | 309.8 | 310.9 | 311.5 | 310.9 | 310.9 | 310.9 | 311.5 | 310.9 | 309.8 | 309.0  |
| 172.5° | 302.4  | 302.9 | 303.5 | 304.1 | 303.5 | 302.4 | 303.5 | 304.1 | 303.5 | 302.9 | 302.4  |
| 175°   | 297.2  | 297.2 | 297.2 | 298.4 | 297.2 | 296.1 | 297.2 | 298.4 | 297.2 | 297.2 | 297.2  |
| 177.5° | 293.5  | 293.8 | 293.2 | 293.8 | 292.6 | 291.5 | 292.6 | 293.8 | 293.2 | 293.8 | 293.5  |
| 180°   | 290.9  | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9  |

TEST NUMBER: P1001009

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 | 1931.6 |
| 2.5°   | 1816.3 | 1825.9 | 1816.3 | 1822.7 | 1825.9 | 1833.9 | 1837.1 | 1851.5 | 1856.3 | 1867.5 | 1867.5 |
| 5°     | 1707.5 | 1712.3 | 1713.9 | 1720.3 | 1726.7 | 1742.7 | 1753.9 | 1774.7 | 1798.7 | 1801.9 | 1816.3 |
| 7.5°   | 1619.5 | 1627.5 | 1640.3 | 1635.5 | 1646.7 | 1670.7 | 1685.1 | 1710.7 | 1734.7 | 1747.5 | 1765.1 |
| 10°    | 1541.1 | 1550.7 | 1555.5 | 1560.3 | 1581.1 | 1601.9 | 1624.3 | 1641.9 | 1673.9 | 1693.1 | 1707.5 |
| 12.5°  | 1477.1 | 1469.1 | 1478.7 | 1496.3 | 1520.3 | 1533.1 | 1563.5 | 1590.7 | 1614.7 | 1635.5 | 1648.3 |
| 15°    | 1393.9 | 1400.3 | 1409.9 | 1440.3 | 1446.7 | 1478.7 | 1489.9 | 1520.3 | 1565.1 | 1584.3 | 1600.3 |
| 17.5°  | 1313.8 | 1334.6 | 1353.9 | 1365.1 | 1384.3 | 1409.9 | 1441.9 | 1475.5 | 1504.3 | 1526.7 | 1545.9 |
| 20°    | 1249.8 | 1270.6 | 1281.8 | 1289.8 | 1309.0 | 1344.3 | 1374.7 | 1416.3 | 1453.1 | 1470.7 | 1496.3 |
| 22.5°  | 1198.6 | 1198.6 | 1214.6 | 1238.6 | 1249.8 | 1283.4 | 1309.0 | 1353.9 | 1393.9 | 1416.3 | 1440.3 |
| 25°    | 1134.6 | 1144.2 | 1157.0 | 1177.8 | 1193.8 | 1221.0 | 1257.8 | 1296.2 | 1339.4 | 1358.7 | 1389.1 |
| 27.5°  | 1081.8 | 1093.0 | 1110.6 | 1115.4 | 1131.4 | 1155.4 | 1193.8 | 1235.4 | 1280.2 | 1301.0 | 1326.6 |
| 30°    | 1041.8 | 1048.2 | 1054.6 | 1064.2 | 1078.6 | 1099.4 | 1131.4 | 1168.2 | 1222.6 | 1238.6 | 1270.6 |
| 32.5°  | 1006.6 | 1009.8 | 1013.0 | 1021.0 | 1029.0 | 1049.8 | 1075.4 | 1115.4 | 1160.2 | 1184.2 | 1213.0 |
| 35°    | 974.6  | 971.4  | 973.0  | 977.8  | 985.8  | 993.8  | 1021.0 | 1054.6 | 1096.2 | 1125.0 | 1147.4 |
| 37.5°  | 944.2  | 937.8  | 936.2  | 936.2  | 939.4  | 949.0  | 969.8  | 998.6  | 1043.4 | 1067.4 | 1089.8 |
| 40°    | 910.6  | 904.2  | 901.0  | 899.4  | 897.8  | 904.2  | 920.2  | 949.0  | 984.2  | 1006.6 | 1032.2 |
| 42.5°  | 878.6  | 872.2  | 864.2  | 862.6  | 859.4  | 862.6  | 873.8  | 901.0  | 931.4  | 953.8  | 974.6  |
| 45°    | 846.6  | 835.4  | 825.8  | 819.4  | 821.0  | 816.2  | 824.2  | 845.0  | 880.2  | 894.6  | 915.4  |
| 47.5°  | 811.4  | 798.5  | 785.7  | 779.3  | 772.9  | 776.1  | 779.3  | 796.9  | 827.4  | 841.8  | 862.6  |
| 50°    | 777.7  | 760.1  | 745.7  | 737.7  | 732.9  | 729.7  | 732.9  | 750.5  | 772.9  | 785.7  | 803.3  |
| 52.5°  | 739.3  | 721.7  | 707.3  | 694.5  | 688.1  | 683.3  | 684.9  | 700.9  | 721.7  | 734.5  | 752.1  |
| 55°    | 704.1  | 681.7  | 662.5  | 646.5  | 641.7  | 640.1  | 638.5  | 649.7  | 667.3  | 680.1  | 694.5  |
| 57.5°  | 664.1  | 641.7  | 620.9  | 601.7  | 592.1  | 590.5  | 590.5  | 593.7  | 616.1  | 625.7  | 633.7  |
| 60°    | 624.1  | 600.1  | 577.7  | 560.1  | 545.7  | 540.9  | 539.3  | 545.7  | 556.9  | 566.5  | 577.7  |
| 62.5°  | 579.3  | 555.3  | 528.1  | 512.1  | 497.7  | 484.9  | 489.7  | 491.3  | 507.3  | 512.1  | 521.7  |
| 65°    | 536.1  | 508.9  | 486.5  | 460.9  | 444.9  | 436.9  | 433.7  | 436.9  | 449.7  | 451.3  | 457.7  |
| 67.5°  | 486.5  | 460.9  | 433.7  | 416.1  | 401.7  | 387.3  | 384.1  | 384.1  | 390.5  | 395.3  | 403.3  |
| 70°    | 438.5  | 412.9  | 382.5  | 363.3  | 348.9  | 336.1  | 331.3  | 329.7  | 334.5  | 337.7  | 345.7  |
| 72.5°  | 382.5  | 356.9  | 334.5  | 313.7  | 296.1  | 286.5  | 281.7  | 278.5  | 283.3  | 286.5  | 288.1  |
| 75°    | 323.3  | 302.5  | 280.1  | 259.2  | 248.0  | 238.4  | 232.0  | 227.2  | 230.4  | 230.4  | 230.4  |
| 77.5°  | 267.2  | 246.4  | 228.8  | 214.4  | 200.0  | 188.8  | 184.0  | 179.2  | 180.8  | 180.8  | 184.0  |
| 80°    | 208.0  | 193.6  | 179.2  | 166.4  | 153.6  | 144.0  | 140.8  | 136.0  | 132.8  | 131.2  | 131.2  |
| 82.5°  | 153.6  | 142.4  | 129.6  | 118.4  | 112.0  | 102.4  | 99.2   | 92.8   | 92.8   | 91.2   | 91.2   |
| 85°    | 102.4  | 96.0   | 83.2   | 75.2   | 70.4   | 65.6   | 62.4   | 59.2   | 54.4   | 54.4   | 52.8   |
| 87.5°  | 54.4   | 51.2   | 48.0   | 38.4   | 38.4   | 33.6   | 32.0   | 30.4   | 25.6   | 27.2   | 27.2   |
| 90°    | 11.4   | 10.9   | 10.3   | 9.7    | 10.3   | 9.1    | 8.0    | 8.0    | 4.6    | 4.6    | 4.6    |
| 92.5°  | 81.2   | 102.9  | 137.7  | 186.3  | 224.0  | 196.0  | 142.3  | 86.9   | 51.4   | 44.0   | 36.6   |
| 95°    | 258.3  | 334.9  | 423.5  | 479.0  | 465.8  | 351.5  | 214.9  | 121.2  | 71.4   | 59.4   | 47.4   |
| 97.5°  | 503.0  | 565.8  | 609.8  | 600.7  | 498.4  | 336.6  | 196.0  | 115.5  | 76.0   | 65.7   | 55.4   |
| 100°   | 672.7  | 700.7  | 689.3  | 605.8  | 459.5  | 298.4  | 181.8  | 117.2  | 83.4   | 74.3   | 65.2   |
| 102.5° | 770.5  | 753.3  | 685.3  | 563.0  | 410.9  | 272.6  | 177.8  | 122.9  | 93.2   | 84.6   | 76.0   |
| 105°   | 795.6  | 739.0  | 640.1  | 509.3  | 374.9  | 260.1  | 180.0  | 132.6  | 105.2  | 96.9   | 88.6   |
| 107.5° | 770.5  | 691.6  | 584.7  | 465.2  | 351.5  | 256.6  | 186.9  | 142.9  | 117.7  | 109.4  | 101.2  |
| 110°   | 717.3  | 634.4  | 535.5  | 433.8  | 340.6  | 257.8  | 194.9  | 154.9  | 129.7  | 122.0  | 114.3  |

TEST NUMBER: P1001009

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 661.3 | 584.1 | 499.5 | 416.1 | 335.5 | 261.2 | 203.5 | 166.3 | 142.3 | 134.6  | 126.9 |
| 115°   | 615.0 | 548.1 | 477.8 | 406.4 | 334.4 | 265.8 | 212.6 | 178.3 | 155.5 | 147.8  | 140.0 |
| 117.5° | 579.0 | 524.7 | 465.2 | 401.2 | 333.8 | 270.3 | 221.8 | 189.8 | 168.0 | 160.0  | 152.0 |
| 120°   | 556.1 | 510.4 | 457.2 | 397.2 | 333.8 | 275.5 | 231.5 | 201.8 | 180.0 | 172.0  | 164.0 |
| 122.5° | 541.8 | 501.3 | 450.4 | 392.7 | 333.2 | 280.6 | 240.6 | 213.2 | 191.5 | 183.8  | 176.0 |
| 125°   | 531.0 | 491.5 | 442.4 | 387.5 | 332.6 | 285.8 | 249.8 | 223.5 | 202.9 | 194.9  | 186.9 |
| 127.5° | 520.1 | 480.7 | 433.2 | 380.7 | 331.5 | 289.8 | 257.8 | 233.2 | 213.2 | 205.2  | 197.2 |
| 130°   | 505.8 | 467.0 | 421.8 | 374.4 | 330.9 | 294.4 | 265.2 | 242.9 | 223.5 | 215.2  | 206.9 |
| 132.5° | 489.3 | 451.5 | 409.8 | 368.7 | 330.4 | 298.4 | 272.6 | 250.9 | 231.5 | 223.8  | 216.0 |
| 135°   | 471.0 | 436.1 | 398.9 | 362.9 | 329.8 | 302.4 | 278.9 | 258.3 | 239.5 | 232.0  | 224.6 |
| 137.5° | 451.5 | 421.2 | 388.7 | 357.8 | 329.8 | 304.6 | 283.5 | 264.1 | 246.3 | 239.2  | 232.1 |
| 140°   | 432.7 | 406.9 | 380.1 | 353.8 | 329.2 | 307.5 | 288.1 | 269.8 | 252.6 | 245.8  | 238.9 |
| 142.5° | 416.1 | 394.9 | 372.1 | 350.4 | 329.2 | 309.8 | 291.5 | 274.9 | 258.3 | 251.8  | 245.2 |
| 145°   | 401.2 | 384.1 | 364.7 | 346.4 | 328.1 | 310.4 | 293.8 | 278.3 | 263.5 | 257.2  | 250.9 |
| 147.5° | 388.7 | 374.4 | 358.4 | 342.9 | 326.4 | 310.9 | 296.1 | 282.3 | 268.1 | 262.4  | 256.6 |
| 150°   | 377.2 | 365.8 | 352.6 | 338.9 | 324.6 | 310.9 | 297.8 | 285.2 | 272.6 | 267.2  | 261.8 |
| 152.5° | 367.5 | 357.2 | 346.4 | 334.4 | 321.8 | 309.8 | 298.9 | 287.5 | 276.6 | 271.8  | 266.9 |
| 155°   | 357.8 | 349.2 | 340.1 | 329.8 | 318.9 | 308.6 | 299.5 | 289.8 | 280.1 | 275.8  | 271.5 |
| 157.5° | 348.6 | 341.2 | 333.2 | 325.2 | 316.1 | 307.5 | 299.5 | 291.5 | 282.9 | 279.5  | 276.1 |
| 160°   | 339.5 | 333.2 | 326.9 | 320.1 | 312.6 | 305.8 | 299.5 | 292.6 | 285.8 | 282.6  | 279.5 |
| 162.5° | 330.4 | 325.8 | 320.6 | 315.5 | 309.2 | 304.1 | 299.5 | 293.8 | 287.5 | 285.2  | 282.9 |
| 165°   | 322.4 | 318.4 | 314.9 | 310.4 | 305.8 | 301.8 | 298.4 | 293.8 | 288.6 | 286.9  | 285.2 |
| 167.5° | 315.5 | 312.1 | 309.2 | 305.8 | 302.4 | 299.5 | 297.2 | 293.8 | 289.8 | 288.4  | 286.9 |
| 170°   | 308.1 | 305.8 | 304.1 | 301.2 | 298.9 | 297.2 | 296.1 | 293.2 | 290.4 | 289.5  | 288.6 |
| 172.5° | 301.8 | 300.6 | 299.5 | 297.2 | 295.5 | 294.9 | 294.9 | 292.6 | 290.9 | 290.4  | 289.8 |
| 175°   | 297.2 | 296.1 | 295.5 | 294.4 | 293.2 | 293.2 | 293.8 | 292.1 | 290.9 | 290.9  | 290.9 |
| 177.5° | 293.2 | 293.2 | 292.6 | 292.1 | 291.5 | 291.5 | 292.6 | 291.5 | 290.9 | 290.9  | 290.9 |
| 180°   | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9 | 290.9  | 290.9 |

TEST NUMBER: P1001009

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1931.6 | 1931.6 | 1931.6 | 1931.6 |
| 2.5°   | 1878.7 | 1894.8 | 1909.2 | 1931.6 |
| 5°     | 1837.1 | 1859.5 | 1890.0 | 1923.6 |
| 7.5°   | 1789.1 | 1824.3 | 1864.3 | 1910.8 |
| 10°    | 1744.3 | 1784.3 | 1835.5 | 1891.6 |
| 12.5°  | 1697.9 | 1745.9 | 1801.9 | 1862.7 |
| 15°    | 1645.1 | 1693.1 | 1755.5 | 1837.1 |
| 17.5°  | 1597.1 | 1654.7 | 1721.9 | 1808.3 |
| 20°    | 1541.1 | 1595.5 | 1669.1 | 1768.3 |
| 22.5°  | 1491.5 | 1553.9 | 1635.5 | 1721.9 |
| 25°    | 1437.1 | 1491.5 | 1573.1 | 1677.1 |
| 27.5°  | 1382.7 | 1449.9 | 1528.3 | 1629.1 |
| 30°    | 1329.8 | 1385.9 | 1470.7 | 1576.3 |
| 32.5°  | 1272.2 | 1339.4 | 1417.9 | 1517.1 |
| 35°    | 1209.8 | 1273.8 | 1347.5 | 1454.7 |
| 37.5°  | 1153.8 | 1216.2 | 1291.4 | 1385.9 |
| 40°    | 1091.4 | 1157.0 | 1225.8 | 1320.2 |
| 42.5°  | 1030.6 | 1089.8 | 1158.6 | 1245.0 |
| 45°    | 971.4  | 1022.6 | 1085.0 | 1160.2 |
| 47.5°  | 910.6  | 953.8  | 1011.4 | 1078.6 |
| 50°    | 845.0  | 891.4  | 934.6  | 990.6  |
| 52.5°  | 784.1  | 824.2  | 859.4  | 905.8  |
| 55°    | 724.9  | 752.1  | 780.9  | 816.2  |
| 57.5°  | 662.5  | 683.3  | 704.1  | 740.9  |
| 60°    | 600.1  | 619.3  | 630.5  | 654.5  |
| 62.5°  | 539.3  | 547.3  | 561.7  | 576.1  |
| 65°    | 472.1  | 483.3  | 491.3  | 508.9  |
| 67.5°  | 411.3  | 416.1  | 424.1  | 435.3  |
| 70°    | 347.3  | 358.5  | 361.7  | 369.7  |
| 72.5°  | 292.9  | 297.7  | 300.9  | 302.5  |
| 75°    | 232.0  | 236.8  | 240.0  | 249.6  |
| 77.5°  | 182.4  | 180.8  | 187.2  | 188.8  |
| 80°    | 134.4  | 129.6  | 131.2  | 137.6  |
| 82.5°  | 88.0   | 89.6   | 88.0   | 88.0   |
| 85°    | 54.4   | 52.8   | 49.6   | 51.2   |
| 87.5°  | 24.0   | 24.0   | 22.4   | 22.4   |
| 90°    | 4.0    | 3.4    | 1.7    | 0.6    |
| 92.5°  | 26.3   | 17.7   | 11.4   | 8.0    |
| 95°    | 33.7   | 26.3   | 20.6   | 18.9   |
| 97.5°  | 43.4   | 36.6   | 31.4   | 31.4   |
| 100°   | 54.3   | 47.4   | 43.4   | 43.4   |
| 102.5° | 65.7   | 59.4   | 56.0   | 54.9   |
| 105°   | 78.3   | 71.4   | 68.6   | 66.9   |
| 107.5° | 91.4   | 84.0   | 81.2   | 80.0   |
| 110°   | 104.0  | 97.2   | 94.3   | 93.2   |

TEST NUMBER: P1001009

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 116.6 | 110.3 | 106.9 | 105.7 |
| 115°   | 129.2 | 123.5 | 119.5 | 117.7 |
| 117.5° | 141.7 | 135.5 | 132.0 | 130.3 |
| 120°   | 154.3 | 148.0 | 144.0 | 142.9 |
| 122.5° | 165.2 | 159.5 | 155.5 | 154.3 |
| 125°   | 176.0 | 169.8 | 166.3 | 164.0 |
| 127.5° | 185.8 | 178.9 | 174.9 | 173.2 |
| 130°   | 196.0 | 187.5 | 182.9 | 180.6 |
| 132.5° | 204.0 | 196.0 | 189.8 | 188.0 |
| 135°   | 212.6 | 202.9 | 197.2 | 194.9 |
| 137.5° | 219.5 | 210.3 | 204.0 | 201.8 |
| 140°   | 226.9 | 217.2 | 210.9 | 209.2 |
| 142.5° | 233.8 | 224.6 | 218.9 | 217.2 |
| 145°   | 240.1 | 232.1 | 226.3 | 224.6 |
| 147.5° | 247.5 | 238.9 | 233.8 | 233.2 |
| 150°   | 253.2 | 246.3 | 241.8 | 241.2 |
| 152.5° | 259.5 | 253.2 | 248.6 | 248.6 |
| 155°   | 265.2 | 259.5 | 256.1 | 255.5 |
| 157.5° | 270.3 | 265.8 | 262.3 | 262.3 |
| 160°   | 274.9 | 270.9 | 268.6 | 268.6 |
| 162.5° | 278.9 | 275.5 | 273.8 | 274.3 |
| 165°   | 282.3 | 279.5 | 278.3 | 278.3 |
| 167.5° | 285.2 | 282.9 | 282.3 | 282.9 |
| 170°   | 287.5 | 285.8 | 285.2 | 285.8 |
| 172.5° | 289.2 | 288.1 | 288.1 | 288.6 |
| 175°   | 290.4 | 289.8 | 289.8 | 290.4 |
| 177.5° | 290.9 | 290.4 | 290.9 | 291.5 |
| 180°   | 290.9 | 290.9 | 290.9 | 290.9 |

(END OF REPORT)