

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: P1001008

Luminaire Tested: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A1

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1001008  
REPORT IS A COMBINATION OF REPORTS P995624 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-A1  
Description: Define 4 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}  
Light Source: -  
Ballast/Driver: -

**Summary**

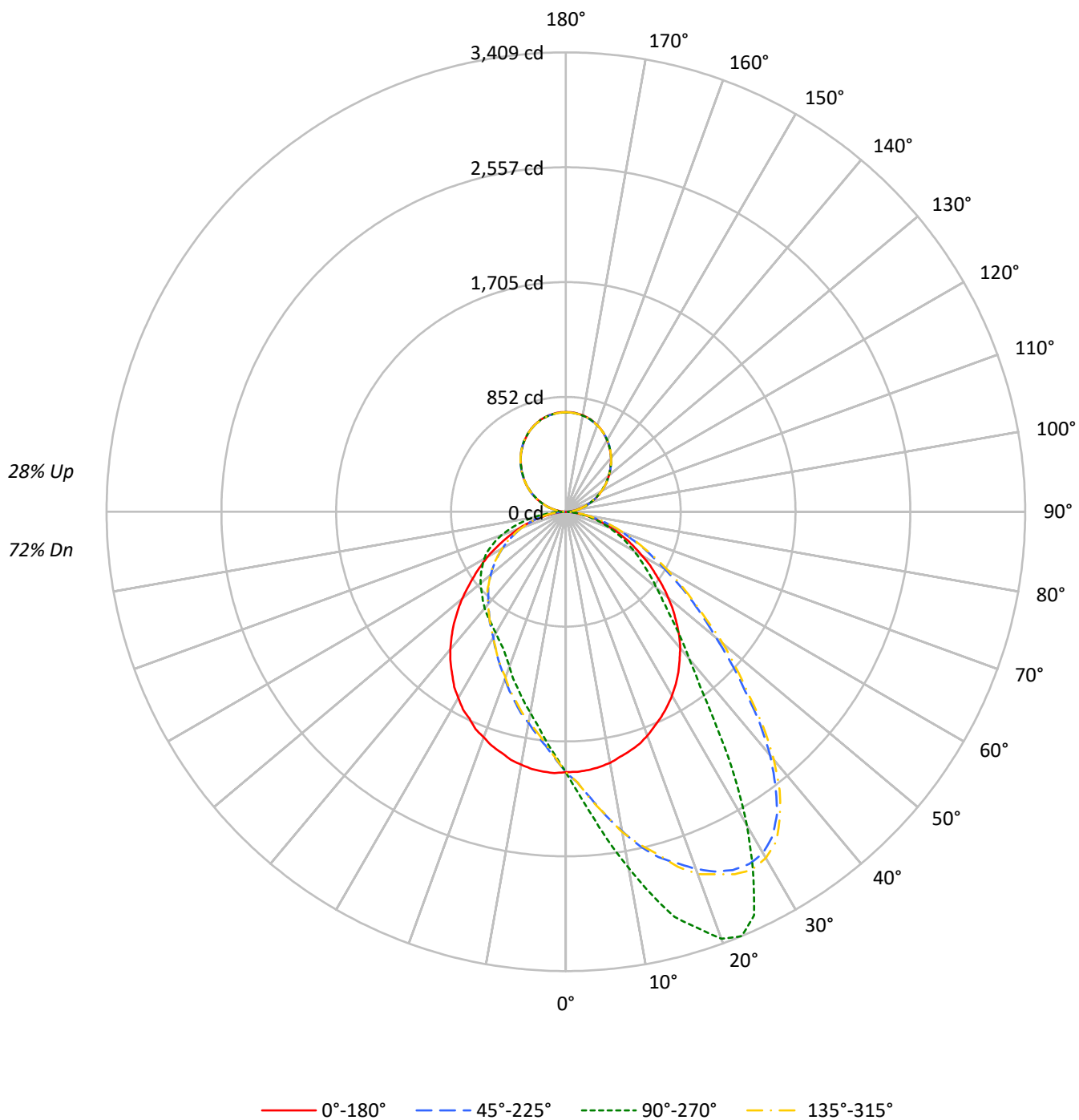
Lumens per Lamp: N/A  
Luminaire Lumens: 7382.0 lumens  
Efficiency: N/A  
Efficacy: 96.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct

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: P1001008

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### Luminous Intensity Polar Plot



TEST NUMBER: P1001008

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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 |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |
| 0   | 112 | 112 | 112 | 112 | 107 | 107 | 107 | 107 | 96 | 96 | 96 | 86 | 86 | 86 | 77 | 77 | 77 |
| 1   | 103 | 99  | 95  | 91  | 98  | 94  | 90  | 87  | 85 | 82 | 79 | 76 | 74 | 72 | 68 | 67 | 65 |
| 2   | 94  | 87  | 80  | 75  | 89  | 82  | 77  | 72  | 74 | 70 | 66 | 67 | 64 | 61 | 60 | 58 | 56 |
| 3   | 86  | 77  | 69  | 63  | 81  | 73  | 66  | 61  | 66 | 61 | 56 | 60 | 55 | 52 | 54 | 51 | 48 |
| 4   | 79  | 68  | 60  | 54  | 75  | 65  | 58  | 52  | 59 | 53 | 48 | 53 | 49 | 45 | 48 | 45 | 41 |
| 5   | 73  | 61  | 53  | 46  | 69  | 58  | 51  | 45  | 53 | 47 | 42 | 48 | 43 | 39 | 44 | 40 | 36 |
| 6   | 67  | 55  | 47  | 41  | 64  | 53  | 45  | 39  | 48 | 42 | 37 | 44 | 38 | 34 | 40 | 35 | 32 |
| 7   | 62  | 50  | 42  | 36  | 59  | 48  | 40  | 35  | 44 | 37 | 33 | 40 | 35 | 31 | 36 | 32 | 29 |
| 8   | 58  | 45  | 37  | 32  | 55  | 44  | 36  | 31  | 40 | 34 | 29 | 37 | 31 | 28 | 34 | 29 | 26 |
| 9   | 54  | 42  | 34  | 29  | 51  | 40  | 33  | 28  | 37 | 31 | 26 | 34 | 29 | 25 | 31 | 27 | 23 |
| 10  | 51  | 38  | 31  | 26  | 48  | 37  | 30  | 25  | 34 | 28 | 24 | 31 | 26 | 23 | 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: P1001008

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A1

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 188.0  | 2.5       |
| 10°-20°   | 580.2  | 7.9       |
| 20°-30°   | 921.8  | 12.5      |
| 30°-40°   | 1024.3 | 13.9      |
| 40°-50°   | 931.5  | 12.6      |
| 50°-60°   | 761.2  | 10.3      |
| 60°-70°   | 543.3  | 7.4       |
| 70°-80°   | 299.0  | 4.1       |
| 80°-90°   | 82.4   | 1.1       |
| 90°-100°  | 48.2   | 0.7       |
| 100°-110° | 144.3  | 2.0       |
| 110°-120° | 245.1  | 3.3       |
| 120°-130° | 323.2  | 4.4       |
| 130°-140° | 363.1  | 4.9       |
| 140°-150° | 356.8  | 4.8       |
| 150°-160° | 300.1  | 4.1       |
| 160°-170° | 199.7  | 2.7       |
| 170°-180° | 69.9   | 0.9       |
| 0°-30°    | 1690.0 | 22.9      |
| 0°-40°    | 2714.3 | 36.8      |
| 0°-60°    | 4406.9 | 59.7      |
| 0°-90°    | 5331.6 | 72.2      |
| 90°-120°  | 437.5  | 5.9       |
| 90°-150°  | 1480.7 | 20.1      |
| 90°-180°  | 2050.0 | 27.8      |
| 0°-180°   | 7382.0 | 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°  | 2    | 17   | 2    | 17   | 2    | 6    |
| 95°  | 34   | 45   | 34   | 45   | 34   | 37   |
| 105° | 133  | 140  | 133  | 140  | 133  | 141  |
| 115° | 249  | 247  | 249  | 247  | 249  | 246  |
| 125° | 363  | 360  | 363  | 360  | 363  | 323  |
| 135° | 468  | 469  | 468  | 469  | 468  | 362  |
| 145° | 569  | 569  | 569  | 569  | 569  | 356  |
| 155° | 652  | 651  | 652  | 651  | 652  | 300  |
| 165° | 709  | 708  | 709  | 708  | 709  | 200  |
| 175° | 738  | 734  | 738  | 734  | 738  | 70   |
| 180° | 739  | 739  | 739  | 739  | 739  |      |

TEST NUMBER: P1001008

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A1

**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°    | 1.7    | 3.1    | 4.5    | 5.9    | 7.3    | 8.0    | 8.5    | 9.5    | 10.6   | 11.6   | 12.6   |
| 92.5°  | 14.9   | 16.5   | 18.2   | 19.8   | 21.5   | 22.3   | 22.6   | 23.2   | 23.9   | 24.5   | 25.1   |
| 95°    | 34.3   | 35.4   | 36.6   | 37.7   | 38.8   | 39.4   | 39.8   | 40.7   | 41.6   | 42.5   | 43.4   |
| 97.5°  | 54.9   | 55.9   | 56.9   | 57.9   | 58.9   | 59.4   | 59.9   | 60.9   | 62.0   | 63.0   | 64.0   |
| 100°   | 80.0   | 80.5   | 81.0   | 81.5   | 82.0   | 82.3   | 82.9   | 84.0   | 85.1   | 86.3   | 87.4   |
| 102.5° | 106.3  | 106.4  | 106.6  | 106.7  | 106.8  | 106.9  | 107.4  | 108.4  | 109.4  | 110.4  | 111.4  |
| 105°   | 133.2  | 133.3  | 133.4  | 133.5  | 133.6  | 133.7  | 134.0  | 134.5  | 135.0  | 135.5  | 136.0  |
| 107.5° | 161.2  | 161.3  | 161.4  | 161.5  | 161.6  | 161.7  | 161.8  | 161.9  | 162.0  | 162.2  | 162.3  |
| 110°   | 189.7  | 190.0  | 190.2  | 190.5  | 190.8  | 190.9  | 190.8  | 190.7  | 190.6  | 190.4  | 190.3  |

TEST NUMBER: P1001008

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A1

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 219.5 | 219.5 | 219.5 | 219.5 | 219.5 | 219.5 | 219.4 | 219.1 | 218.8 | 218.6 | 218.3 |
| 115°   | 249.2 | 249.2 | 249.2 | 249.2 | 249.2 | 249.2 | 249.1 | 248.8 | 248.5 | 248.3 | 248.0 |
| 117.5° | 277.2 | 277.2 | 277.2 | 277.2 | 277.2 | 277.2 | 277.1 | 277.0 | 276.9 | 276.7 | 276.6 |
| 120°   | 305.2 | 305.7 | 306.2 | 306.7 | 307.2 | 307.5 | 307.3 | 306.9 | 306.6 | 306.2 | 305.8 |
| 122.5° | 334.3 | 334.4 | 334.6 | 334.7 | 334.8 | 334.9 | 334.8 | 334.7 | 334.6 | 334.4 | 334.3 |
| 125°   | 362.9 | 362.9 | 362.9 | 362.9 | 362.9 | 362.9 | 362.8 | 362.7 | 362.6 | 362.4 | 362.3 |
| 127.5° | 388.6 | 389.0 | 389.4 | 389.8 | 390.2 | 390.4 | 390.3 | 390.0 | 389.7 | 389.5 | 389.2 |
| 130°   | 416.1 | 416.5 | 416.9 | 417.2 | 417.6 | 417.8 | 417.8 | 417.8 | 417.8 | 417.8 | 417.8 |
| 132.5° | 444.1 | 444.3 | 444.6 | 444.8 | 445.1 | 445.2 | 445.1 | 445.0 | 444.9 | 444.8 | 444.7 |
| 135°   | 468.1 | 468.9 | 469.6 | 470.4 | 471.1 | 471.5 | 471.5 | 471.5 | 471.5 | 471.5 | 471.5 |
| 137.5° | 494.9 | 495.3 | 495.7 | 496.1 | 496.5 | 496.7 | 496.8 | 497.1 | 497.3 | 497.6 | 497.8 |
| 140°   | 521.8 | 522.0 | 522.3 | 522.5 | 522.8 | 522.9 | 522.9 | 522.9 | 522.9 | 522.9 | 522.9 |
| 142.5° | 546.4 | 546.6 | 546.9 | 547.1 | 547.4 | 547.5 | 547.4 | 547.3 | 547.2 | 547.1 | 547.0 |
| 145°   | 568.7 | 569.2 | 569.7 | 570.2 | 570.7 | 571.0 | 571.1 | 571.2 | 571.3 | 571.4 | 571.5 |
| 147.5° | 591.5 | 592.1 | 592.8 | 593.4 | 594.1 | 594.4 | 594.3 | 594.2 | 594.1 | 593.9 | 593.8 |
| 150°   | 612.1 | 612.6 | 613.1 | 613.6 | 614.1 | 614.4 | 614.4 | 614.4 | 614.4 | 614.4 | 614.4 |
| 152.5° | 631.5 | 631.8 | 632.0 | 632.3 | 632.6 | 632.7 | 632.8 | 632.9 | 633.0 | 633.2 | 633.3 |
| 155°   | 651.5 | 651.5 | 651.5 | 651.5 | 651.5 | 651.5 | 651.4 | 651.3 | 651.2 | 651.1 | 651.0 |
| 157.5° | 668.7 | 668.4 | 668.2 | 667.9 | 667.6 | 667.5 | 667.5 | 667.5 | 667.5 | 667.5 | 667.5 |
| 160°   | 683.5 | 683.4 | 683.3 | 683.2 | 683.1 | 683.0 | 682.9 | 682.8 | 682.7 | 682.5 | 682.4 |
| 162.5° | 697.3 | 696.9 | 696.5 | 696.2 | 695.8 | 695.6 | 695.5 | 695.4 | 695.3 | 695.1 | 695.0 |
| 165°   | 709.3 | 708.9 | 708.5 | 708.2 | 707.8 | 707.6 | 707.5 | 707.2 | 706.9 | 706.7 | 706.4 |
| 167.5° | 719.0 | 718.5 | 718.0 | 717.5 | 717.0 | 716.7 | 716.7 | 716.7 | 716.7 | 716.7 | 716.7 |
| 170°   | 727.0 | 726.4 | 725.7 | 725.1 | 724.4 | 724.1 | 724.2 | 724.3 | 724.4 | 724.6 | 724.7 |
| 172.5° | 732.7 | 732.2 | 731.7 | 731.2 | 730.7 | 730.4 | 730.4 | 730.4 | 730.4 | 730.4 | 730.4 |
| 175°   | 737.8 | 737.2 | 736.6 | 735.9 | 735.3 | 735.0 | 734.9 | 734.8 | 734.7 | 734.5 | 734.4 |
| 177.5° | 740.1 | 739.5 | 738.9 | 738.2 | 737.6 | 737.3 | 737.3 | 737.3 | 737.3 | 737.3 | 737.3 |
| 180°   | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 |

TEST NUMBER: P1001008

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A1

**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°    | 13.4   | 14.1   | 14.9   | 15.6   | 16.0   | 16.1   | 16.4   | 16.6   | 16.9   | 17.1   | 16.9   |
| 92.5°  | 25.5   | 25.9   | 26.3   | 26.7   | 26.9   | 27.0   | 27.1   | 27.2   | 27.3   | 27.4   | 27.3   |
| 95°    | 43.8   | 44.2   | 44.6   | 45.0   | 45.2   | 45.2   | 45.2   | 45.2   | 45.2   | 45.2   | 45.2   |
| 97.5°  | 64.5   | 65.0   | 65.5   | 66.0   | 66.3   | 66.3   | 66.3   | 66.3   | 66.3   | 66.3   | 66.3   |
| 100°   | 87.7   | 87.9   | 88.2   | 88.5   | 88.6   | 88.6   | 88.6   | 88.6   | 88.6   | 88.6   | 88.6   |
| 102.5° | 111.8  | 112.2  | 112.6  | 113.0  | 113.2  | 113.3  | 113.4  | 113.5  | 113.6  | 113.7  | 113.6  |
| 105°   | 136.4  | 136.8  | 137.1  | 137.5  | 137.7  | 137.9  | 138.3  | 138.7  | 139.1  | 139.5  | 139.1  |
| 107.5° | 162.8  | 163.3  | 163.8  | 164.3  | 164.6  | 164.5  | 164.4  | 164.3  | 164.1  | 164.0  | 164.1  |
| 110°   | 190.1  | 189.8  | 189.6  | 189.3  | 189.2  | 189.4  | 189.8  | 190.1  | 190.5  | 190.9  | 190.5  |



TEST NUMBER: P1001008

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A1

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 218.3 | 218.3 | 218.3 | 218.3 | 218.3 | 218.3 | 218.3 | 218.3 | 218.3 | 218.3 | 218.3 |
| 115°   | 247.9 | 247.8 | 247.7 | 247.6 | 247.5 | 247.4 | 247.3 | 247.2 | 247.0 | 246.9 | 247.0 |
| 117.5° | 276.2 | 275.8 | 275.5 | 275.1 | 274.9 | 274.7 | 274.3 | 274.0 | 273.6 | 273.2 | 273.6 |
| 120°   | 305.2 | 304.5 | 303.9 | 303.2 | 302.9 | 303.0 | 303.3 | 303.6 | 303.8 | 304.1 | 303.8 |
| 122.5° | 333.9 | 333.5 | 333.2 | 332.8 | 332.6 | 332.3 | 331.7 | 331.0 | 330.4 | 329.8 | 330.4 |
| 125°   | 362.1 | 361.8 | 361.6 | 361.3 | 361.2 | 361.1 | 360.8 | 360.6 | 360.3 | 360.1 | 360.3 |
| 127.5° | 389.0 | 388.7 | 388.5 | 388.2 | 388.1 | 388.0 | 387.9 | 387.8 | 387.6 | 387.5 | 387.6 |
| 130°   | 417.5 | 417.3 | 417.0 | 416.7 | 416.6 | 416.4 | 415.9 | 415.4 | 414.9 | 414.4 | 414.9 |
| 132.5° | 444.4 | 444.2 | 443.9 | 443.6 | 443.5 | 443.4 | 443.3 | 443.2 | 443.0 | 442.9 | 443.0 |
| 135°   | 471.3 | 471.0 | 470.8 | 470.5 | 470.4 | 470.2 | 469.8 | 469.5 | 469.1 | 468.7 | 469.1 |
| 137.5° | 497.4 | 497.0 | 496.7 | 496.3 | 496.1 | 496.2 | 496.3 | 496.4 | 496.6 | 496.7 | 496.6 |
| 140°   | 522.8 | 522.7 | 522.6 | 522.5 | 522.4 | 522.3 | 522.2 | 522.1 | 521.9 | 521.8 | 521.9 |
| 142.5° | 547.0 | 547.0 | 547.0 | 547.0 | 547.0 | 547.0 | 547.0 | 547.0 | 547.0 | 547.0 | 547.0 |
| 145°   | 571.4 | 571.3 | 571.2 | 571.1 | 571.0 | 570.8 | 570.4 | 570.0 | 569.6 | 569.2 | 569.6 |
| 147.5° | 593.7 | 593.5 | 593.4 | 593.3 | 593.2 | 593.1 | 593.0 | 592.9 | 592.8 | 592.7 | 592.8 |
| 150°   | 614.4 | 614.4 | 614.4 | 614.4 | 614.4 | 614.3 | 614.2 | 614.1 | 613.9 | 613.8 | 613.9 |
| 152.5° | 633.7 | 634.1 | 634.4 | 634.8 | 635.0 | 634.8 | 634.4 | 634.1 | 633.7 | 633.3 | 633.7 |
| 155°   | 651.5 | 652.0 | 652.5 | 653.0 | 653.3 | 653.0 | 652.5 | 652.0 | 651.5 | 651.0 | 651.5 |
| 157.5° | 667.9 | 668.3 | 668.7 | 669.1 | 669.3 | 669.1 | 668.7 | 668.3 | 667.9 | 667.5 | 667.9 |
| 160°   | 682.8 | 683.2 | 683.5 | 683.9 | 684.1 | 683.8 | 683.2 | 682.5 | 681.9 | 681.3 | 681.9 |
| 162.5° | 695.8 | 696.5 | 697.3 | 698.0 | 698.4 | 698.1 | 697.5 | 696.8 | 696.2 | 695.6 | 696.2 |
| 165°   | 707.2 | 707.9 | 708.7 | 709.4 | 709.8 | 709.6 | 709.1 | 708.6 | 708.1 | 707.6 | 708.1 |
| 167.5° | 717.5 | 718.2 | 719.0 | 719.7 | 720.1 | 719.7 | 719.0 | 718.2 | 717.5 | 716.7 | 717.5 |
| 170°   | 725.5 | 726.2 | 727.0 | 727.7 | 728.1 | 727.7 | 726.8 | 725.9 | 725.0 | 724.1 | 725.0 |
| 172.5° | 731.3 | 732.2 | 733.1 | 734.0 | 734.4 | 734.0 | 733.1 | 732.2 | 731.3 | 730.4 | 731.3 |
| 175°   | 735.3 | 736.2 | 737.1 | 738.0 | 738.4 | 738.0 | 737.1 | 736.2 | 735.3 | 734.4 | 735.3 |
| 177.5° | 738.2 | 739.1 | 740.0 | 740.9 | 741.3 | 740.8 | 739.8 | 738.7 | 737.7 | 736.7 | 737.7 |
| 180°   | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 |

TEST NUMBER: P1001008

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A1

**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°    | 16.6   | 16.4   | 16.1   | 16.0   | 15.6   | 14.9   | 14.1   | 13.4   | 12.6   | 11.6   | 10.6   |
| 92.5°  | 27.2   | 27.1   | 27.0   | 26.9   | 26.7   | 26.3   | 25.9   | 25.5   | 25.1   | 24.5   | 23.9   |
| 95°    | 45.2   | 45.2   | 45.2   | 45.2   | 45.0   | 44.6   | 44.2   | 43.8   | 43.4   | 42.5   | 41.6   |
| 97.5°  | 66.3   | 66.3   | 66.3   | 66.3   | 66.0   | 65.5   | 65.0   | 64.5   | 64.0   | 63.0   | 62.0   |
| 100°   | 88.6   | 88.6   | 88.6   | 88.6   | 88.5   | 88.2   | 87.9   | 87.7   | 87.4   | 86.3   | 85.1   |
| 102.5° | 113.5  | 113.4  | 113.3  | 113.2  | 113.0  | 112.6  | 112.2  | 111.8  | 111.4  | 110.4  | 109.4  |
| 105°   | 138.7  | 138.3  | 137.9  | 137.7  | 137.5  | 137.1  | 136.8  | 136.4  | 136.0  | 135.5  | 135.0  |
| 107.5° | 164.3  | 164.4  | 164.5  | 164.6  | 164.3  | 163.8  | 163.3  | 162.8  | 162.3  | 162.2  | 162.0  |
| 110°   | 190.1  | 189.8  | 189.4  | 189.2  | 189.3  | 189.6  | 189.8  | 190.1  | 190.3  | 190.4  | 190.6  |

TEST NUMBER: P1001008

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A1

**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 218.3 | 218.3 | 218.3 | 218.3  | 218.3 | 218.3 | 218.3 | 218.3 | 218.3 | 218.6 | 218.8 |
| 115°   | 247.2 | 247.3 | 247.4 | 247.5  | 247.6 | 247.7 | 247.8 | 247.9 | 248.0 | 248.3 | 248.5 |
| 117.5° | 274.0 | 274.3 | 274.7 | 274.9  | 275.1 | 275.5 | 275.8 | 276.2 | 276.6 | 276.7 | 276.9 |
| 120°   | 303.6 | 303.3 | 303.0 | 302.9  | 303.2 | 303.9 | 304.5 | 305.2 | 305.8 | 306.2 | 306.6 |
| 122.5° | 331.0 | 331.7 | 332.3 | 332.6  | 332.8 | 333.2 | 333.5 | 333.9 | 334.3 | 334.4 | 334.6 |
| 125°   | 360.6 | 360.8 | 361.1 | 361.2  | 361.3 | 361.6 | 361.8 | 362.1 | 362.3 | 362.4 | 362.6 |
| 127.5° | 387.8 | 387.9 | 388.0 | 388.1  | 388.2 | 388.5 | 388.7 | 389.0 | 389.2 | 389.5 | 389.7 |
| 130°   | 415.4 | 415.9 | 416.4 | 416.6  | 416.7 | 417.0 | 417.3 | 417.5 | 417.8 | 417.8 | 417.8 |
| 132.5° | 443.2 | 443.3 | 443.4 | 443.5  | 443.6 | 443.9 | 444.2 | 444.4 | 444.7 | 444.8 | 444.9 |
| 135°   | 469.5 | 469.8 | 470.2 | 470.4  | 470.5 | 470.8 | 471.0 | 471.3 | 471.5 | 471.5 | 471.5 |
| 137.5° | 496.4 | 496.3 | 496.2 | 496.1  | 496.3 | 496.7 | 497.0 | 497.4 | 497.8 | 497.6 | 497.3 |
| 140°   | 522.1 | 522.2 | 522.3 | 522.4  | 522.5 | 522.6 | 522.7 | 522.8 | 522.9 | 522.9 | 522.9 |
| 142.5° | 547.0 | 547.0 | 547.0 | 547.0  | 547.0 | 547.0 | 547.0 | 547.0 | 547.0 | 547.1 | 547.2 |
| 145°   | 570.0 | 570.4 | 570.8 | 571.0  | 571.1 | 571.2 | 571.3 | 571.4 | 571.5 | 571.4 | 571.3 |
| 147.5° | 592.9 | 593.0 | 593.1 | 593.2  | 593.3 | 593.4 | 593.5 | 593.7 | 593.8 | 593.9 | 594.1 |
| 150°   | 614.1 | 614.2 | 614.3 | 614.4  | 614.4 | 614.4 | 614.4 | 614.4 | 614.4 | 614.4 | 614.4 |
| 152.5° | 634.1 | 634.4 | 634.8 | 635.0  | 634.8 | 634.4 | 634.1 | 633.7 | 633.3 | 633.2 | 633.0 |
| 155°   | 652.0 | 652.5 | 653.0 | 653.3  | 653.0 | 652.5 | 652.0 | 651.5 | 651.0 | 651.1 | 651.2 |
| 157.5° | 668.3 | 668.7 | 669.1 | 669.3  | 669.1 | 668.7 | 668.3 | 667.9 | 667.5 | 667.5 | 667.5 |
| 160°   | 682.5 | 683.2 | 683.8 | 684.1  | 683.9 | 683.5 | 683.2 | 682.8 | 682.4 | 682.5 | 682.7 |
| 162.5° | 696.8 | 697.5 | 698.1 | 698.4  | 698.0 | 697.3 | 696.5 | 695.8 | 695.0 | 695.1 | 695.3 |
| 165°   | 708.6 | 709.1 | 709.6 | 709.8  | 709.4 | 708.7 | 707.9 | 707.2 | 706.4 | 706.7 | 706.9 |
| 167.5° | 718.2 | 719.0 | 719.7 | 720.1  | 719.7 | 719.0 | 718.2 | 717.5 | 716.7 | 716.7 | 716.7 |
| 170°   | 725.9 | 726.8 | 727.7 | 728.1  | 727.7 | 727.0 | 726.2 | 725.5 | 724.7 | 724.6 | 724.4 |
| 172.5° | 732.2 | 733.1 | 734.0 | 734.4  | 734.0 | 733.1 | 732.2 | 731.3 | 730.4 | 730.4 | 730.4 |
| 175°   | 736.2 | 737.1 | 738.0 | 738.4  | 738.0 | 737.1 | 736.2 | 735.3 | 734.4 | 734.5 | 734.7 |
| 177.5° | 738.7 | 739.8 | 740.8 | 741.3  | 740.9 | 740.0 | 739.1 | 738.2 | 737.3 | 737.3 | 737.3 |
| 180°   | 739.0 | 739.0 | 739.0 | 739.0  | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 |

TEST NUMBER: P1001008

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A1

**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°    | 9.5    | 8.5    | 8.0    | 7.3    | 5.9    | 4.5    | 3.1    | 1.7    | 3.1    | 4.5    | 5.9    |
| 92.5°  | 23.2   | 22.6   | 22.3   | 21.5   | 19.8   | 18.2   | 16.5   | 14.9   | 16.5   | 18.2   | 19.8   |
| 95°    | 40.7   | 39.8   | 39.4   | 38.8   | 37.7   | 36.6   | 35.4   | 34.3   | 35.4   | 36.6   | 37.7   |
| 97.5°  | 60.9   | 59.9   | 59.4   | 58.9   | 57.9   | 56.9   | 55.9   | 54.9   | 55.9   | 56.9   | 57.9   |
| 100°   | 84.0   | 82.9   | 82.3   | 82.0   | 81.5   | 81.0   | 80.5   | 80.0   | 80.5   | 81.0   | 81.5   |
| 102.5° | 108.4  | 107.4  | 106.9  | 106.8  | 106.7  | 106.6  | 106.4  | 106.3  | 106.4  | 106.6  | 106.7  |
| 105°   | 134.5  | 134.0  | 133.7  | 133.6  | 133.5  | 133.4  | 133.3  | 133.2  | 133.3  | 133.4  | 133.5  |
| 107.5° | 161.9  | 161.8  | 161.7  | 161.6  | 161.5  | 161.4  | 161.3  | 161.2  | 161.3  | 161.4  | 161.5  |
| 110°   | 190.7  | 190.8  | 190.9  | 190.8  | 190.5  | 190.2  | 190.0  | 189.7  | 190.0  | 190.2  | 190.5  |

TEST NUMBER: P1001008

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A1

**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 219.1 | 219.4 | 219.5  | 219.5 | 219.5 | 219.5 | 219.5 | 219.5 | 219.5 | 219.5 | 219.5 |
| 115°   | 248.8 | 249.1 | 249.2  | 249.2 | 249.2 | 249.2 | 249.2 | 249.2 | 249.2 | 249.2 | 249.2 |
| 117.5° | 277.0 | 277.1 | 277.2  | 277.2 | 277.2 | 277.2 | 277.2 | 277.2 | 277.2 | 277.2 | 277.2 |
| 120°   | 306.9 | 307.3 | 307.5  | 307.2 | 306.7 | 306.2 | 305.7 | 305.2 | 305.7 | 306.2 | 306.7 |
| 122.5° | 334.7 | 334.8 | 334.9  | 334.8 | 334.7 | 334.6 | 334.4 | 334.3 | 334.4 | 334.6 | 334.7 |
| 125°   | 362.7 | 362.8 | 362.9  | 362.9 | 362.9 | 362.9 | 362.9 | 362.9 | 362.9 | 362.9 | 362.9 |
| 127.5° | 390.0 | 390.3 | 390.4  | 390.2 | 389.8 | 389.4 | 389.0 | 388.6 | 389.0 | 389.4 | 389.8 |
| 130°   | 417.8 | 417.8 | 417.8  | 417.6 | 417.2 | 416.9 | 416.5 | 416.1 | 416.5 | 416.9 | 417.2 |
| 132.5° | 445.0 | 445.1 | 445.2  | 445.1 | 444.8 | 444.6 | 444.3 | 444.1 | 444.3 | 444.6 | 444.8 |
| 135°   | 471.5 | 471.5 | 471.5  | 471.1 | 470.4 | 469.6 | 468.9 | 468.1 | 468.9 | 469.6 | 470.4 |
| 137.5° | 497.1 | 496.8 | 496.7  | 496.5 | 496.1 | 495.7 | 495.3 | 494.9 | 495.3 | 495.7 | 496.1 |
| 140°   | 522.9 | 522.9 | 522.9  | 522.8 | 522.5 | 522.3 | 522.0 | 521.8 | 522.0 | 522.3 | 522.5 |
| 142.5° | 547.3 | 547.4 | 547.5  | 547.4 | 547.1 | 546.9 | 546.6 | 546.4 | 546.6 | 546.9 | 547.1 |
| 145°   | 571.2 | 571.1 | 571.0  | 570.7 | 570.2 | 569.7 | 569.2 | 568.7 | 569.2 | 569.7 | 570.2 |
| 147.5° | 594.2 | 594.3 | 594.4  | 594.1 | 593.4 | 592.8 | 592.1 | 591.5 | 592.1 | 592.8 | 593.4 |
| 150°   | 614.4 | 614.4 | 614.4  | 614.1 | 613.6 | 613.1 | 612.6 | 612.1 | 612.6 | 613.1 | 613.6 |
| 152.5° | 632.9 | 632.8 | 632.7  | 632.6 | 632.3 | 632.0 | 631.8 | 631.5 | 631.8 | 632.0 | 632.3 |
| 155°   | 651.3 | 651.4 | 651.5  | 651.5 | 651.5 | 651.5 | 651.5 | 651.5 | 651.5 | 651.5 | 651.5 |
| 157.5° | 667.5 | 667.5 | 667.5  | 667.6 | 667.9 | 668.2 | 668.4 | 668.7 | 668.4 | 668.2 | 667.9 |
| 160°   | 682.8 | 682.9 | 683.0  | 683.1 | 683.2 | 683.3 | 683.4 | 683.5 | 683.4 | 683.3 | 683.2 |
| 162.5° | 695.4 | 695.5 | 695.6  | 695.8 | 696.2 | 696.5 | 696.9 | 697.3 | 696.9 | 696.5 | 696.2 |
| 165°   | 707.2 | 707.5 | 707.6  | 707.8 | 708.2 | 708.5 | 708.9 | 709.3 | 708.9 | 708.5 | 708.2 |
| 167.5° | 716.7 | 716.7 | 716.7  | 717.0 | 717.5 | 718.0 | 718.5 | 719.0 | 718.5 | 718.0 | 717.5 |
| 170°   | 724.3 | 724.2 | 724.1  | 724.4 | 725.1 | 725.7 | 726.4 | 727.0 | 726.4 | 725.7 | 725.1 |
| 172.5° | 730.4 | 730.4 | 730.4  | 730.7 | 731.2 | 731.7 | 732.2 | 732.7 | 732.2 | 731.7 | 731.2 |
| 175°   | 734.8 | 734.9 | 735.0  | 735.3 | 735.9 | 736.6 | 737.2 | 737.8 | 737.2 | 736.6 | 735.9 |
| 177.5° | 737.3 | 737.3 | 737.3  | 737.6 | 738.2 | 738.9 | 739.5 | 740.1 | 739.5 | 738.9 | 738.2 |
| 180°   | 739.0 | 739.0 | 739.0  | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 |

TEST NUMBER: P1001008

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A1

**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°    | 7.3    | 8.0    | 8.5    | 9.5    | 10.6   | 11.6   | 12.6   | 13.4   | 14.1   | 14.9   | 15.6   |
| 92.5°  | 21.5   | 22.3   | 22.6   | 23.2   | 23.9   | 24.5   | 25.1   | 25.5   | 25.9   | 26.3   | 26.7   |
| 95°    | 38.8   | 39.4   | 39.8   | 40.7   | 41.6   | 42.5   | 43.4   | 43.8   | 44.2   | 44.6   | 45.0   |
| 97.5°  | 58.9   | 59.4   | 59.9   | 60.9   | 62.0   | 63.0   | 64.0   | 64.5   | 65.0   | 65.5   | 66.0   |
| 100°   | 82.0   | 82.3   | 82.9   | 84.0   | 85.1   | 86.3   | 87.4   | 87.7   | 87.9   | 88.2   | 88.5   |
| 102.5° | 106.8  | 106.9  | 107.4  | 108.4  | 109.4  | 110.4  | 111.4  | 111.8  | 112.2  | 112.6  | 113.0  |
| 105°   | 133.6  | 133.7  | 134.0  | 134.5  | 135.0  | 135.5  | 136.0  | 136.4  | 136.8  | 137.1  | 137.5  |
| 107.5° | 161.6  | 161.7  | 161.8  | 161.9  | 162.0  | 162.2  | 162.3  | 162.8  | 163.3  | 163.8  | 164.3  |
| 110°   | 190.8  | 190.9  | 190.8  | 190.7  | 190.6  | 190.4  | 190.3  | 190.1  | 189.8  | 189.6  | 189.3  |

TEST NUMBER: P1001008

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A1

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 219.5 | 219.5  | 219.4 | 219.1 | 218.8 | 218.6 | 218.3 | 218.3 | 218.3 | 218.3 | 218.3 |
| 115°   | 249.2 | 249.2  | 249.1 | 248.8 | 248.5 | 248.3 | 248.0 | 247.9 | 247.8 | 247.7 | 247.6 |
| 117.5° | 277.2 | 277.2  | 277.1 | 277.0 | 276.9 | 276.7 | 276.6 | 276.2 | 275.8 | 275.5 | 275.1 |
| 120°   | 307.2 | 307.5  | 307.3 | 306.9 | 306.6 | 306.2 | 305.8 | 305.2 | 304.5 | 303.9 | 303.2 |
| 122.5° | 334.8 | 334.9  | 334.8 | 334.7 | 334.6 | 334.4 | 334.3 | 333.9 | 333.5 | 333.2 | 332.8 |
| 125°   | 362.9 | 362.9  | 362.8 | 362.7 | 362.6 | 362.4 | 362.3 | 362.1 | 361.8 | 361.6 | 361.3 |
| 127.5° | 390.2 | 390.4  | 390.3 | 390.0 | 389.7 | 389.5 | 389.2 | 389.0 | 388.7 | 388.5 | 388.2 |
| 130°   | 417.6 | 417.8  | 417.8 | 417.8 | 417.8 | 417.8 | 417.8 | 417.5 | 417.3 | 417.0 | 416.7 |
| 132.5° | 445.1 | 445.2  | 445.1 | 445.0 | 444.9 | 444.8 | 444.7 | 444.4 | 444.2 | 443.9 | 443.6 |
| 135°   | 471.1 | 471.5  | 471.5 | 471.5 | 471.5 | 471.5 | 471.5 | 471.3 | 471.0 | 470.8 | 470.5 |
| 137.5° | 496.5 | 496.7  | 496.8 | 497.1 | 497.3 | 497.6 | 497.8 | 497.4 | 497.0 | 496.7 | 496.3 |
| 140°   | 522.8 | 522.9  | 522.9 | 522.9 | 522.9 | 522.9 | 522.9 | 522.8 | 522.7 | 522.6 | 522.5 |
| 142.5° | 547.4 | 547.5  | 547.4 | 547.3 | 547.2 | 547.1 | 547.0 | 547.0 | 547.0 | 547.0 | 547.0 |
| 145°   | 570.7 | 571.0  | 571.1 | 571.2 | 571.3 | 571.4 | 571.5 | 571.4 | 571.3 | 571.2 | 571.1 |
| 147.5° | 594.1 | 594.4  | 594.3 | 594.2 | 594.1 | 593.9 | 593.8 | 593.7 | 593.5 | 593.4 | 593.3 |
| 150°   | 614.1 | 614.4  | 614.4 | 614.4 | 614.4 | 614.4 | 614.4 | 614.4 | 614.4 | 614.4 | 614.4 |
| 152.5° | 632.6 | 632.7  | 632.8 | 632.9 | 633.0 | 633.2 | 633.3 | 633.7 | 634.1 | 634.4 | 634.8 |
| 155°   | 651.5 | 651.5  | 651.4 | 651.3 | 651.2 | 651.1 | 651.0 | 651.5 | 652.0 | 652.5 | 653.0 |
| 157.5° | 667.6 | 667.5  | 667.5 | 667.5 | 667.5 | 667.5 | 667.5 | 667.9 | 668.3 | 668.7 | 669.1 |
| 160°   | 683.1 | 683.0  | 682.9 | 682.8 | 682.7 | 682.5 | 682.4 | 682.8 | 683.2 | 683.5 | 683.9 |
| 162.5° | 695.8 | 695.6  | 695.5 | 695.4 | 695.3 | 695.1 | 695.0 | 695.8 | 696.5 | 697.3 | 698.0 |
| 165°   | 707.8 | 707.6  | 707.5 | 707.2 | 706.9 | 706.7 | 706.4 | 707.2 | 707.9 | 708.7 | 709.4 |
| 167.5° | 717.0 | 716.7  | 716.7 | 716.7 | 716.7 | 716.7 | 716.7 | 717.5 | 718.2 | 719.0 | 719.7 |
| 170°   | 724.4 | 724.1  | 724.2 | 724.3 | 724.4 | 724.6 | 724.7 | 725.5 | 726.2 | 727.0 | 727.7 |
| 172.5° | 730.7 | 730.4  | 730.4 | 730.4 | 730.4 | 730.4 | 730.4 | 731.3 | 732.2 | 733.1 | 734.0 |
| 175°   | 735.3 | 735.0  | 734.9 | 734.8 | 734.7 | 734.5 | 734.4 | 735.3 | 736.2 | 737.1 | 738.0 |
| 177.5° | 737.6 | 737.3  | 737.3 | 737.3 | 737.3 | 737.3 | 737.3 | 738.2 | 739.1 | 740.0 | 740.9 |
| 180°   | 739.0 | 739.0  | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 |

TEST NUMBER: P1001008

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A1

**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°    | 16.0   | 16.1   | 16.4   | 16.6   | 16.9   | 17.1   | 16.9   | 16.6   | 16.4   | 16.1   | 16.0   |
| 92.5°  | 26.9   | 27.0   | 27.1   | 27.2   | 27.3   | 27.4   | 27.3   | 27.2   | 27.1   | 27.0   | 26.9   |
| 95°    | 45.2   | 45.2   | 45.2   | 45.2   | 45.2   | 45.2   | 45.2   | 45.2   | 45.2   | 45.2   | 45.2   |
| 97.5°  | 66.3   | 66.3   | 66.3   | 66.3   | 66.3   | 66.3   | 66.3   | 66.3   | 66.3   | 66.3   | 66.3   |
| 100°   | 88.6   | 88.6   | 88.6   | 88.6   | 88.6   | 88.6   | 88.6   | 88.6   | 88.6   | 88.6   | 88.6   |
| 102.5° | 113.2  | 113.3  | 113.4  | 113.5  | 113.6  | 113.7  | 113.6  | 113.5  | 113.4  | 113.3  | 113.2  |
| 105°   | 137.7  | 137.9  | 138.3  | 138.7  | 139.1  | 139.5  | 139.1  | 138.7  | 138.3  | 137.9  | 137.7  |
| 107.5° | 164.6  | 164.5  | 164.4  | 164.3  | 164.1  | 164.0  | 164.1  | 164.3  | 164.4  | 164.5  | 164.6  |
| 110°   | 189.2  | 189.4  | 189.8  | 190.1  | 190.5  | 190.9  | 190.5  | 190.1  | 189.8  | 189.4  | 189.2  |



TEST NUMBER: P1001008

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A1

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 218.3  | 218.3 | 218.3 | 218.3 | 218.3 | 218.3 | 218.3 | 218.3 | 218.3 | 218.3 | 218.3  |
| 115°   | 247.5  | 247.4 | 247.3 | 247.2 | 247.0 | 246.9 | 247.0 | 247.2 | 247.3 | 247.4 | 247.5  |
| 117.5° | 274.9  | 274.7 | 274.3 | 274.0 | 273.6 | 273.2 | 273.6 | 274.0 | 274.3 | 274.7 | 274.9  |
| 120°   | 302.9  | 303.0 | 303.3 | 303.6 | 303.8 | 304.1 | 303.8 | 303.6 | 303.3 | 303.0 | 302.9  |
| 122.5° | 332.6  | 332.3 | 331.7 | 331.0 | 330.4 | 329.8 | 330.4 | 331.0 | 331.7 | 332.3 | 332.6  |
| 125°   | 361.2  | 361.1 | 360.8 | 360.6 | 360.3 | 360.1 | 360.3 | 360.6 | 360.8 | 361.1 | 361.2  |
| 127.5° | 388.1  | 388.0 | 387.9 | 387.8 | 387.6 | 387.5 | 387.6 | 387.8 | 387.9 | 388.0 | 388.1  |
| 130°   | 416.6  | 416.4 | 415.9 | 415.4 | 414.9 | 414.4 | 414.9 | 415.4 | 415.9 | 416.4 | 416.6  |
| 132.5° | 443.5  | 443.4 | 443.3 | 443.2 | 443.0 | 442.9 | 443.0 | 443.2 | 443.3 | 443.4 | 443.5  |
| 135°   | 470.4  | 470.2 | 469.8 | 469.5 | 469.1 | 468.7 | 469.1 | 469.5 | 469.8 | 470.2 | 470.4  |
| 137.5° | 496.1  | 496.2 | 496.3 | 496.4 | 496.6 | 496.7 | 496.6 | 496.4 | 496.3 | 496.2 | 496.1  |
| 140°   | 522.4  | 522.3 | 522.2 | 522.1 | 521.9 | 521.8 | 521.9 | 522.1 | 522.2 | 522.3 | 522.4  |
| 142.5° | 547.0  | 547.0 | 547.0 | 547.0 | 547.0 | 547.0 | 547.0 | 547.0 | 547.0 | 547.0 | 547.0  |
| 145°   | 571.0  | 570.8 | 570.4 | 570.0 | 569.6 | 569.2 | 569.6 | 570.0 | 570.4 | 570.8 | 571.0  |
| 147.5° | 593.2  | 593.1 | 593.0 | 592.9 | 592.8 | 592.7 | 592.8 | 592.9 | 593.0 | 593.1 | 593.2  |
| 150°   | 614.4  | 614.3 | 614.2 | 614.1 | 613.9 | 613.8 | 613.9 | 614.1 | 614.2 | 614.3 | 614.4  |
| 152.5° | 635.0  | 634.8 | 634.4 | 634.1 | 633.7 | 633.3 | 633.7 | 634.1 | 634.4 | 634.8 | 635.0  |
| 155°   | 653.3  | 653.0 | 652.5 | 652.0 | 651.5 | 651.0 | 651.5 | 652.0 | 652.5 | 653.0 | 653.3  |
| 157.5° | 669.3  | 669.1 | 668.7 | 668.3 | 667.9 | 667.5 | 667.9 | 668.3 | 668.7 | 669.1 | 669.3  |
| 160°   | 684.1  | 683.8 | 683.2 | 682.5 | 681.9 | 681.3 | 681.9 | 682.5 | 683.2 | 683.8 | 684.1  |
| 162.5° | 698.4  | 698.1 | 697.5 | 696.8 | 696.2 | 695.6 | 696.2 | 696.8 | 697.5 | 698.1 | 698.4  |
| 165°   | 709.8  | 709.6 | 709.1 | 708.6 | 708.1 | 707.6 | 708.1 | 708.6 | 709.1 | 709.6 | 709.8  |
| 167.5° | 720.1  | 719.7 | 719.0 | 718.2 | 717.5 | 716.7 | 717.5 | 718.2 | 719.0 | 719.7 | 720.1  |
| 170°   | 728.1  | 727.7 | 726.8 | 725.9 | 725.0 | 724.1 | 725.0 | 725.9 | 726.8 | 727.7 | 728.1  |
| 172.5° | 734.4  | 734.0 | 733.1 | 732.2 | 731.3 | 730.4 | 731.3 | 732.2 | 733.1 | 734.0 | 734.4  |
| 175°   | 738.4  | 738.0 | 737.1 | 736.2 | 735.3 | 734.4 | 735.3 | 736.2 | 737.1 | 738.0 | 738.4  |
| 177.5° | 741.3  | 740.8 | 739.8 | 738.7 | 737.7 | 736.7 | 737.7 | 738.7 | 739.8 | 740.8 | 741.3  |
| 180°   | 739.0  | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0  |

TEST NUMBER: P1001008

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A1

**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°    | 15.6   | 14.9   | 14.1   | 13.4   | 12.6   | 11.6   | 10.6   | 9.5    | 8.5    | 8.0    | 7.3    |
| 92.5°  | 26.7   | 26.3   | 25.9   | 25.5   | 25.1   | 24.5   | 23.9   | 23.2   | 22.6   | 22.3   | 21.5   |
| 95°    | 45.0   | 44.6   | 44.2   | 43.8   | 43.4   | 42.5   | 41.6   | 40.7   | 39.8   | 39.4   | 38.8   |
| 97.5°  | 66.0   | 65.5   | 65.0   | 64.5   | 64.0   | 63.0   | 62.0   | 60.9   | 59.9   | 59.4   | 58.9   |
| 100°   | 88.5   | 88.2   | 87.9   | 87.7   | 87.4   | 86.3   | 85.1   | 84.0   | 82.9   | 82.3   | 82.0   |
| 102.5° | 113.0  | 112.6  | 112.2  | 111.8  | 111.4  | 110.4  | 109.4  | 108.4  | 107.4  | 106.9  | 106.8  |
| 105°   | 137.5  | 137.1  | 136.8  | 136.4  | 136.0  | 135.5  | 135.0  | 134.5  | 134.0  | 133.7  | 133.6  |
| 107.5° | 164.3  | 163.8  | 163.3  | 162.8  | 162.3  | 162.2  | 162.0  | 161.9  | 161.8  | 161.7  | 161.6  |
| 110°   | 189.3  | 189.6  | 189.8  | 190.1  | 190.3  | 190.4  | 190.6  | 190.7  | 190.8  | 190.9  | 190.8  |



TEST NUMBER: P1001008

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A1

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 218.3 | 218.3 | 218.3 | 218.3 | 218.3 | 218.6 | 218.8 | 219.1 | 219.4 | 219.5  | 219.5 |
| 115°   | 247.6 | 247.7 | 247.8 | 247.9 | 248.0 | 248.3 | 248.5 | 248.8 | 249.1 | 249.2  | 249.2 |
| 117.5° | 275.1 | 275.5 | 275.8 | 276.2 | 276.6 | 276.7 | 276.9 | 277.0 | 277.1 | 277.2  | 277.2 |
| 120°   | 303.2 | 303.9 | 304.5 | 305.2 | 305.8 | 306.2 | 306.6 | 306.9 | 307.3 | 307.5  | 307.2 |
| 122.5° | 332.8 | 333.2 | 333.5 | 333.9 | 334.3 | 334.4 | 334.6 | 334.7 | 334.8 | 334.9  | 334.8 |
| 125°   | 361.3 | 361.6 | 361.8 | 362.1 | 362.3 | 362.4 | 362.6 | 362.7 | 362.8 | 362.9  | 362.9 |
| 127.5° | 388.2 | 388.5 | 388.7 | 389.0 | 389.2 | 389.5 | 389.7 | 390.0 | 390.3 | 390.4  | 390.2 |
| 130°   | 416.7 | 417.0 | 417.3 | 417.5 | 417.8 | 417.8 | 417.8 | 417.8 | 417.8 | 417.8  | 417.6 |
| 132.5° | 443.6 | 443.9 | 444.2 | 444.4 | 444.7 | 444.8 | 444.9 | 445.0 | 445.1 | 445.2  | 445.1 |
| 135°   | 470.5 | 470.8 | 471.0 | 471.3 | 471.5 | 471.5 | 471.5 | 471.5 | 471.5 | 471.5  | 471.1 |
| 137.5° | 496.3 | 496.7 | 497.0 | 497.4 | 497.8 | 497.6 | 497.3 | 497.1 | 496.8 | 496.7  | 496.5 |
| 140°   | 522.5 | 522.6 | 522.7 | 522.8 | 522.9 | 522.9 | 522.9 | 522.9 | 522.9 | 522.9  | 522.8 |
| 142.5° | 547.0 | 547.0 | 547.0 | 547.0 | 547.0 | 547.1 | 547.2 | 547.3 | 547.4 | 547.5  | 547.4 |
| 145°   | 571.1 | 571.2 | 571.3 | 571.4 | 571.5 | 571.4 | 571.3 | 571.2 | 571.1 | 571.0  | 570.7 |
| 147.5° | 593.3 | 593.4 | 593.5 | 593.7 | 593.8 | 593.9 | 594.1 | 594.2 | 594.3 | 594.4  | 594.1 |
| 150°   | 614.4 | 614.4 | 614.4 | 614.4 | 614.4 | 614.4 | 614.4 | 614.4 | 614.4 | 614.4  | 614.1 |
| 152.5° | 634.8 | 634.4 | 634.1 | 633.7 | 633.3 | 633.2 | 633.0 | 632.9 | 632.8 | 632.7  | 632.6 |
| 155°   | 653.0 | 652.5 | 652.0 | 651.5 | 651.0 | 651.1 | 651.2 | 651.3 | 651.4 | 651.5  | 651.5 |
| 157.5° | 669.1 | 668.7 | 668.3 | 667.9 | 667.5 | 667.5 | 667.5 | 667.5 | 667.5 | 667.5  | 667.6 |
| 160°   | 683.9 | 683.5 | 683.2 | 682.8 | 682.4 | 682.5 | 682.7 | 682.8 | 682.9 | 683.0  | 683.1 |
| 162.5° | 698.0 | 697.3 | 696.5 | 695.8 | 695.0 | 695.1 | 695.3 | 695.4 | 695.5 | 695.6  | 695.8 |
| 165°   | 709.4 | 708.7 | 707.9 | 707.2 | 706.4 | 706.7 | 706.9 | 707.2 | 707.5 | 707.6  | 707.8 |
| 167.5° | 719.7 | 719.0 | 718.2 | 717.5 | 716.7 | 716.7 | 716.7 | 716.7 | 716.7 | 716.7  | 717.0 |
| 170°   | 727.7 | 727.0 | 726.2 | 725.5 | 724.7 | 724.6 | 724.4 | 724.3 | 724.2 | 724.1  | 724.4 |
| 172.5° | 734.0 | 733.1 | 732.2 | 731.3 | 730.4 | 730.4 | 730.4 | 730.4 | 730.4 | 730.4  | 730.7 |
| 175°   | 738.0 | 737.1 | 736.2 | 735.3 | 734.4 | 734.5 | 734.7 | 734.8 | 734.9 | 735.0  | 735.3 |
| 177.5° | 740.9 | 740.0 | 739.1 | 738.2 | 737.3 | 737.3 | 737.3 | 737.3 | 737.3 | 737.3  | 737.6 |
| 180°   | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0 | 739.0  | 739.0 |

TEST NUMBER: P1001008

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A1

**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°    | 5.9    | 4.5    | 3.1    | 1.7    |
| 92.5°  | 19.8   | 18.2   | 16.5   | 14.9   |
| 95°    | 37.7   | 36.6   | 35.4   | 34.3   |
| 97.5°  | 57.9   | 56.9   | 55.9   | 54.9   |
| 100°   | 81.5   | 81.0   | 80.5   | 80.0   |
| 102.5° | 106.7  | 106.6  | 106.4  | 106.3  |
| 105°   | 133.5  | 133.4  | 133.3  | 133.2  |
| 107.5° | 161.5  | 161.4  | 161.3  | 161.2  |
| 110°   | 190.5  | 190.2  | 190.0  | 189.7  |



TEST NUMBER: P1001008

CATALOG NUMBER: SA4XXDIP-B1195D590UB30-4F0-XX-W2A-A1

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 219.5 | 219.5 | 219.5 | 219.5 |
| 115°   | 249.2 | 249.2 | 249.2 | 249.2 |
| 117.5° | 277.2 | 277.2 | 277.2 | 277.2 |
| 120°   | 306.7 | 306.2 | 305.7 | 305.2 |
| 122.5° | 334.7 | 334.6 | 334.4 | 334.3 |
| 125°   | 362.9 | 362.9 | 362.9 | 362.9 |
| 127.5° | 389.8 | 389.4 | 389.0 | 388.6 |
| 130°   | 417.2 | 416.9 | 416.5 | 416.1 |
| 132.5° | 444.8 | 444.6 | 444.3 | 444.1 |
| 135°   | 470.4 | 469.6 | 468.9 | 468.1 |
| 137.5° | 496.1 | 495.7 | 495.3 | 494.9 |
| 140°   | 522.5 | 522.3 | 522.0 | 521.8 |
| 142.5° | 547.1 | 546.9 | 546.6 | 546.4 |
| 145°   | 570.2 | 569.7 | 569.2 | 568.7 |
| 147.5° | 593.4 | 592.8 | 592.1 | 591.5 |
| 150°   | 613.6 | 613.1 | 612.6 | 612.1 |
| 152.5° | 632.3 | 632.0 | 631.8 | 631.5 |
| 155°   | 651.5 | 651.5 | 651.5 | 651.5 |
| 157.5° | 667.9 | 668.2 | 668.4 | 668.7 |
| 160°   | 683.2 | 683.3 | 683.4 | 683.5 |
| 162.5° | 696.2 | 696.5 | 696.9 | 697.3 |
| 165°   | 708.2 | 708.5 | 708.9 | 709.3 |
| 167.5° | 717.5 | 718.0 | 718.5 | 719.0 |
| 170°   | 725.1 | 725.7 | 726.4 | 727.0 |
| 172.5° | 731.2 | 731.7 | 732.2 | 732.7 |
| 175°   | 735.9 | 736.6 | 737.2 | 737.8 |
| 177.5° | 738.2 | 738.9 | 739.5 | 740.1 |
| 180°   | 739.0 | 739.0 | 739.0 | 739.0 |

(END OF REPORT)