

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: P1001630

Luminaire Tested: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A4

Issue Date: 5/6/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1001630  
REPORT IS A COMBINATION OF REPORTS P996252 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A4  
Description: Define 4 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}  
Light Source: -  
Ballast/Driver: -

**Summary**

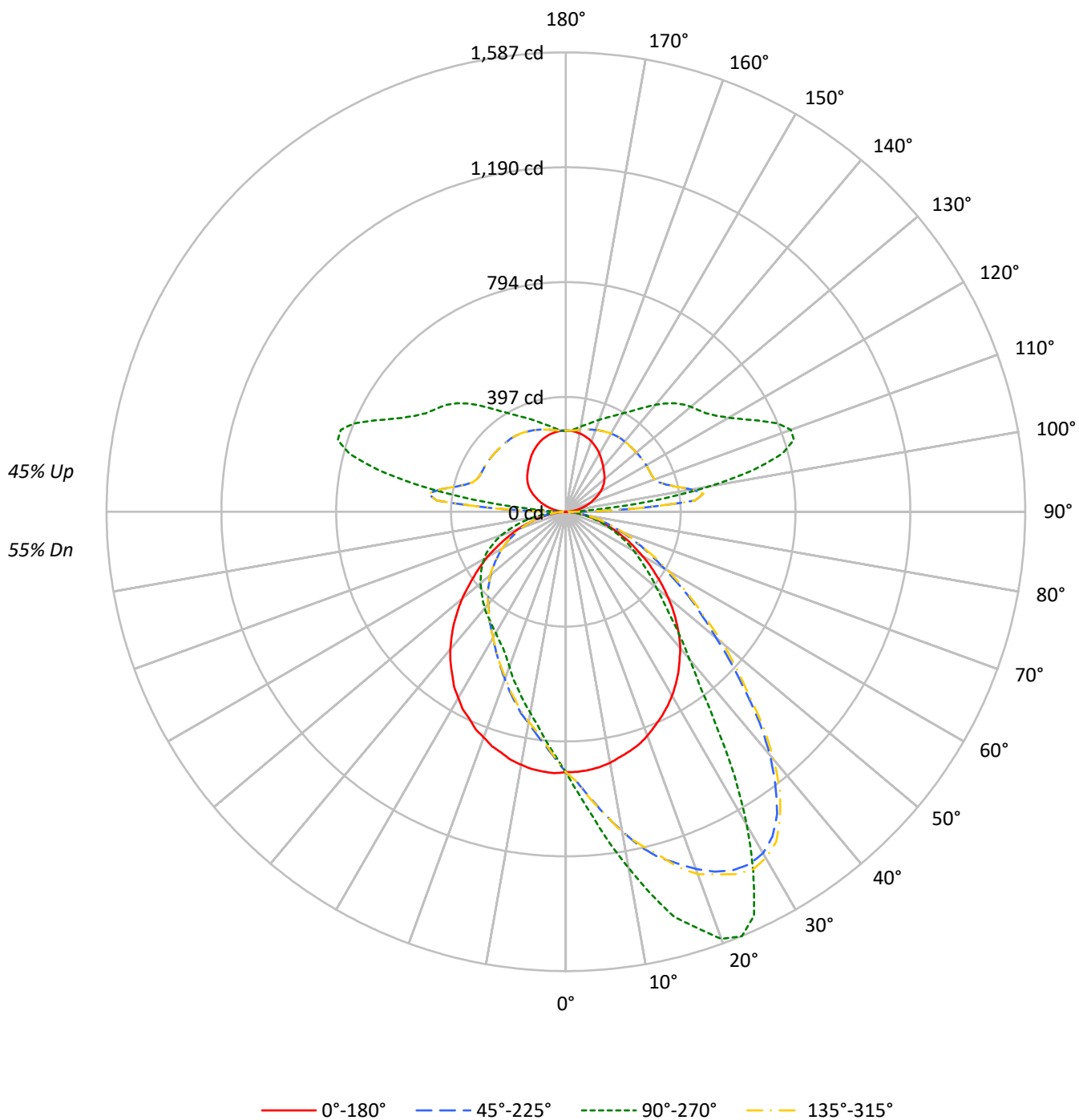
Lumens per Lamp: N/A  
Luminaire Lumens: 4521.0 lumens  
Efficiency: N/A  
Efficacy: 114.7 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 39.4  
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: P1001630

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### Luminous Intensity Polar Plot



TEST NUMBER: P1001630

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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   | 108 | 108 | 108 | 108 | 101 | 101 | 101 | 101 | 86 | 86 | 86 | 73 | 73 | 73 | 61 | 61 | 61 |
| 1   | 99  | 95  | 91  | 88  | 92  | 88  | 85  | 82  | 76 | 73 | 71 | 64 | 63 | 61 | 54 | 53 | 52 |
| 2   | 90  | 83  | 77  | 72  | 84  | 77  | 72  | 68  | 67 | 63 | 59 | 57 | 54 | 51 | 48 | 46 | 44 |
| 3   | 83  | 73  | 66  | 60  | 77  | 68  | 62  | 57  | 59 | 54 | 50 | 51 | 47 | 44 | 43 | 40 | 38 |
| 4   | 76  | 65  | 57  | 51  | 70  | 61  | 54  | 48  | 53 | 47 | 43 | 45 | 41 | 38 | 38 | 35 | 33 |
| 5   | 70  | 58  | 50  | 44  | 64  | 54  | 47  | 42  | 47 | 42 | 37 | 41 | 36 | 33 | 35 | 31 | 29 |
| 6   | 64  | 52  | 44  | 38  | 60  | 49  | 42  | 36  | 43 | 37 | 33 | 37 | 32 | 29 | 31 | 28 | 25 |
| 7   | 59  | 47  | 39  | 34  | 55  | 44  | 37  | 32  | 39 | 33 | 29 | 34 | 29 | 26 | 29 | 25 | 23 |
| 8   | 55  | 43  | 35  | 30  | 51  | 40  | 33  | 29  | 35 | 30 | 26 | 31 | 26 | 23 | 26 | 23 | 20 |
| 9   | 51  | 39  | 32  | 27  | 48  | 37  | 30  | 26  | 33 | 27 | 23 | 28 | 24 | 21 | 24 | 21 | 18 |
| 10  | 48  | 36  | 29  | 24  | 45  | 34  | 27  | 23  | 30 | 25 | 21 | 26 | 22 | 19 | 23 | 19 | 17 |

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

|     | 0°   | 90°   | 180° | 270° |
|-----|------|-------|------|------|
| 0°  | 7335 | 7335  | 7335 | 7335 |
| 5°  | 7316 | 8414  | 7359 | 6323 |
| 10° | 7261 | 9817  | 7316 | 5547 |
| 15° | 7174 | 11317 | 7225 | 4964 |
| 20° | 7082 | 12272 | 7132 | 4450 |
| 25° | 6946 | 12131 | 7012 | 4071 |
| 30° | 6813 | 10027 | 6897 | 3876 |
| 35° | 6627 | 7472  | 6700 | 3758 |
| 40° | 6410 | 5629  | 6473 | 3699 |
| 45° | 6079 | 4518  | 6154 | 3621 |
| 50° | 5683 | 3806  | 5765 | 3584 |
| 55° | 5218 | 3313  | 5299 | 3542 |
| 60° | 4765 | 2917  | 4904 | 3483 |
| 65° | 4340 | 2510  | 4381 | 3338 |
| 70° | 3840 | 2065  | 3924 | 3073 |
| 75° | 3352 | 1586  | 3328 | 2611 |
| 80° | 2636 | 1043  | 2603 | 1983 |
| 85° | 1732 | 470   | 1630 | 1155 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 9484 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 87.5   | 1.9       |
| 10°-20°   | 270.2  | 6.0       |
| 20°-30°   | 429.2  | 9.5       |
| 30°-40°   | 477.0  | 10.5      |
| 40°-50°   | 433.7  | 9.6       |
| 50°-60°   | 354.5  | 7.8       |
| 60°-70°   | 253.0  | 5.6       |
| 70°-80°   | 139.2  | 3.1       |
| 80°-90°   | 38.7   | 0.9       |
| 90°-100°  | 202.8  | 4.5       |
| 100°-110° | 423.4  | 9.4       |
| 110°-120° | 376.4  | 8.3       |
| 120°-130° | 316.8  | 7.0       |
| 130°-140° | 264.3  | 5.8       |
| 140°-150° | 201.8  | 4.5       |
| 150°-160° | 141.9  | 3.1       |
| 160°-170° | 83.4   | 1.8       |
| 170°-180° | 27.1   | 0.6       |
| 0°-30°    | 787.0  | 17.4      |
| 0°-40°    | 1263.9 | 28.0      |
| 0°-60°    | 2052.1 | 45.4      |
| 0°-90°    | 2483.1 | 54.9      |
| 90°-120°  | 1002.5 | 22.2      |
| 90°-150°  | 1785.4 | 39.5      |
| 90°-180°  | 2038.0 | 45.1      |
| 0°-180°   | 4521.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 90°  | 180° | 270° | 360° | Flux |
|------|-----|------|------|------|------|------|
| 0°   | 900 | 900  | 900  | 900  | 900  |      |
| 5°   | 896 | 1055 | 901  | 793  | 896  | 85   |
| 15°  | 856 | 1449 | 862  | 636  | 856  | 241  |
| 25°  | 781 | 1539 | 788  | 516  | 781  | 360  |
| 35°  | 677 | 910  | 685  | 458  | 677  | 423  |
| 45°  | 540 | 510  | 547  | 409  | 540  | 417  |
| 55°  | 380 | 334  | 386  | 357  | 380  | 342  |
| 65°  | 237 | 215  | 239  | 285  | 237  | 234  |
| 75°  | 116 | 107  | 116  | 177  | 116  | 122  |
| 85°  | 24  | 22   | 22   | 55   | 24   | 28   |
| 90°  | 0   | 12   | 0    | 12   | 0    | 3    |
| 95°  | 18  | 134  | 18   | 134  | 18   | 20   |
| 105° | 64  | 774  | 64   | 774  | 64   | 69   |
| 115° | 113 | 743  | 113  | 743  | 113  | 112  |
| 125° | 158 | 593  | 158  | 593  | 158  | 141  |
| 135° | 188 | 530  | 188  | 530  | 188  | 145  |
| 145° | 216 | 433  | 216  | 433  | 216  | 136  |
| 155° | 246 | 362  | 246  | 362  | 246  | 113  |
| 165° | 268 | 316  | 268  | 316  | 268  | 76   |
| 175° | 279 | 285  | 279  | 285  | 279  | 27   |
| 180° | 280 | 280  | 280  | 280  | 280  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 899.5 | 899.5 | 899.5 | 899.5 | 899.5  | 899.5  | 899.5  | 899.5  | 899.5  | 899.5  | 899.5  |
| 2.5°   | 899.5 | 908.4 | 912.1 | 915.1 | 924.8  | 927.8  | 928.5  | 933.0  | 936.7  | 937.5  | 937.5  |
| 5°     | 895.7 | 909.9 | 921.1 | 931.5 | 947.2  | 953.9  | 962.1  | 971.0  | 982.9  | 990.4  | 994.1  |
| 7.5°   | 889.8 | 910.6 | 927.8 | 945.7 | 967.3  | 980.7  | 988.1  | 1012.0 | 1028.4 | 1041.8 | 1058.2 |
| 10°    | 880.8 | 907.7 | 932.3 | 958.3 | 988.9  | 1005.3 | 1021.7 | 1050.7 | 1073.8 | 1099.9 | 1120.8 |
| 12.5°  | 867.4 | 902.4 | 932.3 | 968.8 | 1006.8 | 1026.1 | 1045.5 | 1096.2 | 1123.0 | 1146.1 | 1183.4 |
| 15°    | 855.5 | 890.5 | 933.0 | 970.3 | 1017.2 | 1046.3 | 1074.6 | 1107.4 | 1149.9 | 1199.8 | 1235.5 |
| 17.5°  | 842.1 | 886.0 | 925.5 | 977.7 | 1029.9 | 1057.4 | 1080.5 | 1131.2 | 1190.8 | 1240.0 | 1272.8 |
| 20°    | 823.5 | 868.2 | 920.3 | 975.5 | 1037.3 | 1058.9 | 1089.5 | 1157.3 | 1211.0 | 1259.4 | 1313.1 |
| 22.5°  | 801.8 | 854.0 | 909.1 | 962.1 | 1026.1 | 1071.6 | 1105.1 | 1164.8 | 1229.6 | 1285.5 | 1345.8 |
| 25°    | 781.0 | 837.6 | 886.0 | 958.3 | 1026.1 | 1056.7 | 1094.7 | 1165.5 | 1236.3 | 1304.1 | 1366.0 |
| 27.5°  | 758.6 | 811.5 | 877.1 | 934.5 | 1011.2 | 1044.8 | 1085.8 | 1163.3 | 1238.5 | 1306.3 | 1372.7 |
| 30°    | 734.0 | 790.7 | 845.1 | 912.9 | 987.4  | 1030.6 | 1068.6 | 1152.8 | 1229.6 | 1300.4 | 1362.2 |
| 32.5°  | 706.5 | 760.1 | 818.2 | 882.3 | 960.6  | 1004.5 | 1052.2 | 1138.7 | 1220.6 | 1281.8 | 1329.4 |
| 35°    | 677.4 | 731.8 | 782.5 | 848.0 | 928.5  | 972.5  | 1018.7 | 1114.1 | 1195.3 | 1245.2 | 1272.8 |
| 37.5°  | 645.3 | 696.8 | 746.7 | 811.5 | 892.0  | 939.0  | 985.9  | 1078.3 | 1155.1 | 1196.8 | 1189.3 |
| 40°    | 614.8 | 661.0 | 707.2 | 768.3 | 852.5  | 902.4  | 943.4  | 1036.6 | 1103.6 | 1121.5 | 1096.9 |
| 42.5°  | 579.8 | 619.3 | 664.0 | 726.6 | 808.5  | 855.5  | 906.9  | 991.9  | 1041.8 | 1034.3 | 992.6  |
| 45°    | 540.3 | 575.3 | 620.0 | 678.9 | 762.3  | 810.8  | 854.0  | 934.5  | 971.0  | 952.4  | 876.4  |
| 47.5°  | 502.3 | 536.5 | 573.1 | 631.9 | 713.2  | 754.1  | 798.1  | 870.4  | 891.3  | 851.8  | 775.8  |
| 50°    | 461.3 | 489.6 | 527.6 | 583.5 | 659.5  | 702.7  | 739.2  | 797.4  | 804.8  | 756.4  | 677.4  |
| 52.5°  | 421.8 | 445.6 | 482.1 | 537.3 | 608.1  | 642.4  | 678.1  | 729.6  | 723.6  | 673.7  | 597.7  |
| 55°    | 380.1 | 402.4 | 435.9 | 486.6 | 549.2  | 582.0  | 612.6  | 658.0  | 645.3  | 593.9  | 527.6  |
| 57.5°  | 345.0 | 360.7 | 393.5 | 440.4 | 491.8  | 527.6  | 553.7  | 589.5  | 570.1  | 518.7  | 456.8  |
| 60°    | 304.8 | 324.2 | 351.7 | 389.7 | 440.4  | 464.3  | 487.4  | 511.2  | 497.8  | 448.6  | 393.5  |
| 62.5°  | 268.3 | 283.2 | 307.0 | 343.5 | 383.0  | 404.6  | 429.2  | 444.1  | 430.7  | 385.3  | 339.1  |
| 65°    | 237.0 | 248.9 | 267.5 | 297.3 | 335.3  | 353.2  | 367.4  | 381.5  | 370.4  | 327.9  | 294.4  |
| 67.5°  | 202.7 | 213.1 | 228.8 | 252.6 | 284.7  | 297.3  | 310.8  | 320.4  | 307.8  | 279.5  | 246.7  |
| 70°    | 172.1 | 179.6 | 194.5 | 212.4 | 234.7  | 246.7  | 257.8  | 267.5  | 256.4  | 232.5  | 207.9  |
| 72.5°  | 140.8 | 146.8 | 160.2 | 172.9 | 193.0  | 201.2  | 209.4  | 216.9  | 213.1  | 190.8  | 170.7  |
| 75°    | 116.3 | 118.5 | 127.4 | 137.9 | 150.5  | 159.5  | 165.4  | 169.9  | 166.9  | 149.0  | 136.4  |
| 77.5°  | 87.9  | 90.9  | 97.6  | 105.8 | 117.0  | 122.2  | 125.9  | 130.4  | 126.7  | 112.5  | 103.6  |
| 80°    | 64.1  | 64.8  | 68.6  | 76.0  | 83.5   | 84.2   | 87.9   | 93.9   | 91.7   | 82.0   | 75.3   |
| 82.5°  | 41.0  | 43.2  | 44.7  | 49.2  | 54.4   | 55.9   | 58.1   | 59.6   | 58.9   | 52.9   | 50.7   |
| 85°    | 23.8  | 23.8  | 25.3  | 28.3  | 29.8   | 32.0   | 32.8   | 33.5   | 35.0   | 31.3   | 29.1   |
| 87.5°  | 10.4  | 11.2  | 11.2  | 11.9  | 13.4   | 13.4   | 14.2   | 14.9   | 15.6   | 14.9   | 12.7   |
| 90°    | 0.5   | 1.6   | 3.3   | 3.8   | 4.4    | 4.4    | 4.4    | 7.7    | 7.7    | 8.8    | 9.9    |
| 92.5°  | 7.7   | 11.0  | 17.0  | 25.3  | 35.2   | 42.4   | 49.5   | 83.6   | 136.9  | 188.6  | 215.5  |
| 95°    | 18.1  | 19.8  | 25.3  | 32.4  | 45.6   | 57.2   | 68.7   | 116.5  | 206.7  | 338.1  | 448.0  |
| 97.5°  | 30.2  | 30.2  | 35.2  | 41.8  | 53.3   | 63.2   | 73.1   | 111.0  | 188.6  | 323.8  | 479.4  |
| 100°   | 41.8  | 41.8  | 45.6  | 52.2  | 62.7   | 71.5   | 80.3   | 112.7  | 174.8  | 287.0  | 442.0  |
| 102.5° | 52.8  | 53.9  | 57.2  | 63.2  | 73.1   | 81.4   | 89.6   | 118.2  | 171.0  | 262.2  | 395.2  |
| 105°   | 64.3  | 66.0  | 68.7  | 75.3  | 85.2   | 93.2   | 101.1  | 127.5  | 173.2  | 250.1  | 360.6  |
| 107.5° | 77.0  | 78.1  | 80.8  | 88.0  | 97.3   | 105.2  | 113.2  | 137.4  | 179.8  | 246.8  | 338.1  |
| 110°   | 89.6  | 90.7  | 93.5  | 100.0 | 109.9  | 117.4  | 124.8  | 149.0  | 187.5  | 247.9  | 327.6  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 101.7 | 102.8 | 106.1 | 112.1 | 122.0 | 129.4 | 136.9 | 160.0 | 195.7 | 251.2 | 322.7 |
| 115°   | 113.2 | 114.9 | 118.7 | 124.2 | 134.7 | 142.1 | 149.5 | 171.5 | 204.5 | 255.6 | 321.6 |
| 117.5° | 125.3 | 127.0 | 130.3 | 136.3 | 146.2 | 153.9 | 161.6 | 182.5 | 213.3 | 260.0 | 321.0 |
| 120°   | 137.4 | 138.5 | 142.4 | 148.4 | 157.8 | 165.5 | 173.2 | 194.1 | 222.6 | 265.0 | 321.0 |
| 122.5° | 148.4 | 149.5 | 153.4 | 158.9 | 169.3 | 176.8 | 184.2 | 205.0 | 231.4 | 269.9 | 320.5 |
| 125°   | 157.8 | 160.0 | 163.3 | 169.3 | 179.8 | 187.4 | 195.1 | 214.9 | 240.2 | 274.9 | 319.9 |
| 127.5° | 166.6 | 168.2 | 172.1 | 178.7 | 189.7 | 197.4 | 205.0 | 224.3 | 247.9 | 278.7 | 318.8 |
| 130°   | 173.7 | 175.9 | 180.3 | 188.6 | 199.0 | 207.0 | 214.9 | 233.6 | 255.1 | 283.1 | 318.3 |
| 132.5° | 180.9 | 182.5 | 188.6 | 196.2 | 207.8 | 215.2 | 222.6 | 241.3 | 262.2 | 287.0 | 317.7 |
| 135°   | 187.5 | 189.7 | 195.1 | 204.5 | 216.0 | 223.2 | 230.3 | 248.5 | 268.3 | 290.8 | 317.2 |
| 137.5° | 194.1 | 196.2 | 202.3 | 211.1 | 223.2 | 230.0 | 236.9 | 254.0 | 272.7 | 293.0 | 317.2 |
| 140°   | 201.2 | 202.8 | 208.9 | 218.2 | 229.8 | 236.4 | 243.0 | 259.5 | 277.1 | 295.7 | 316.6 |
| 142.5° | 208.9 | 210.5 | 216.0 | 224.8 | 235.8 | 242.2 | 248.5 | 264.4 | 280.4 | 297.9 | 316.6 |
| 145°   | 216.0 | 217.7 | 223.2 | 230.9 | 241.3 | 247.4 | 253.4 | 267.7 | 282.6 | 298.5 | 315.5 |
| 147.5° | 224.3 | 224.8 | 229.8 | 238.0 | 246.8 | 252.3 | 257.8 | 271.6 | 284.8 | 299.0 | 313.9 |
| 150°   | 232.0 | 232.5 | 236.9 | 243.5 | 251.8 | 257.0 | 262.2 | 274.3 | 286.4 | 299.0 | 312.2 |
| 152.5° | 239.1 | 239.1 | 243.5 | 249.6 | 256.7 | 261.4 | 266.1 | 276.5 | 287.5 | 297.9 | 309.5 |
| 155°   | 245.7 | 246.3 | 249.6 | 255.1 | 261.1 | 265.2 | 269.4 | 278.7 | 288.1 | 296.8 | 306.7 |
| 157.5° | 252.3 | 252.3 | 255.6 | 260.0 | 265.5 | 268.8 | 272.1 | 280.4 | 288.1 | 295.7 | 304.0 |
| 160°   | 258.4 | 258.4 | 260.6 | 264.4 | 268.8 | 271.8 | 274.9 | 281.5 | 288.1 | 294.1 | 300.7 |
| 162.5° | 263.9 | 263.3 | 265.0 | 268.3 | 272.1 | 274.3 | 276.5 | 282.6 | 288.1 | 292.4 | 297.4 |
| 165°   | 267.7 | 267.7 | 268.8 | 271.6 | 274.3 | 276.0 | 277.6 | 282.6 | 287.0 | 290.3 | 294.1 |
| 167.5° | 272.1 | 271.6 | 272.1 | 274.3 | 276.0 | 277.4 | 278.7 | 282.6 | 285.9 | 288.1 | 290.8 |
| 170°   | 274.9 | 274.3 | 274.9 | 276.5 | 277.6 | 278.5 | 279.3 | 282.0 | 284.8 | 285.9 | 287.5 |
| 172.5° | 277.6 | 277.1 | 277.1 | 278.2 | 278.7 | 279.2 | 279.8 | 281.5 | 283.7 | 283.7 | 284.2 |
| 175°   | 279.3 | 278.7 | 278.7 | 279.3 | 279.8 | 279.8 | 279.8 | 280.9 | 282.6 | 282.0 | 282.0 |
| 177.5° | 280.4 | 279.8 | 279.3 | 279.8 | 279.8 | 279.8 | 279.8 | 280.4 | 281.5 | 280.4 | 280.4 |
| 180°   | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 899.5  | 899.5  | 899.5  | 899.5  | 899.5  | 899.5  | 899.5  | 899.5  | 899.5  | 899.5  | 899.5  |
| 2.5°   | 939.7  | 953.1  | 959.1  | 960.6  | 968.8  | 963.5  | 965.8  | 965.0  | 971.0  | 971.7  | 971.7  |
| 5°     | 1008.3 | 1023.9 | 1029.1 | 1036.6 | 1047.8 | 1050.7 | 1048.5 | 1053.0 | 1061.2 | 1055.2 | 1064.2 |
| 7.5°   | 1080.5 | 1097.7 | 1109.6 | 1126.0 | 1129.7 | 1139.4 | 1145.4 | 1150.6 | 1152.1 | 1152.8 | 1154.3 |
| 10°    | 1147.6 | 1169.2 | 1185.6 | 1213.2 | 1219.2 | 1224.4 | 1250.5 | 1240.0 | 1253.4 | 1249.0 | 1250.5 |
| 12.5°  | 1202.0 | 1244.5 | 1257.9 | 1304.1 | 1308.6 | 1326.5 | 1325.0 | 1341.4 | 1344.3 | 1350.3 | 1344.3 |
| 15°    | 1273.6 | 1322.7 | 1344.3 | 1370.4 | 1385.3 | 1406.2 | 1409.9 | 1432.3 | 1441.2 | 1449.4 | 1441.2 |
| 17.5°  | 1339.1 | 1365.2 | 1420.4 | 1441.2 | 1450.9 | 1462.1 | 1490.4 | 1498.6 | 1512.0 | 1506.8 | 1521.7 |
| 20°    | 1371.9 | 1409.2 | 1467.3 | 1503.1 | 1518.0 | 1528.4 | 1552.3 | 1564.9 | 1570.1 | 1570.1 | 1571.6 |
| 22.5°  | 1401.0 | 1454.6 | 1497.9 | 1538.8 | 1552.3 | 1559.7 | 1573.9 | 1583.6 | 1585.8 | 1587.3 | 1588.8 |
| 25°    | 1427.1 | 1475.5 | 1510.5 | 1533.6 | 1538.8 | 1538.8 | 1547.0 | 1541.1 | 1531.4 | 1538.8 | 1543.3 |
| 27.5°  | 1427.1 | 1461.3 | 1477.0 | 1485.2 | 1485.2 | 1465.1 | 1453.1 | 1428.6 | 1407.7 | 1401.7 | 1415.1 |
| 30°    | 1403.2 | 1418.9 | 1397.3 | 1377.1 | 1361.5 | 1348.1 | 1301.1 | 1263.9 | 1256.4 | 1251.2 | 1271.3 |
| 32.5°  | 1348.1 | 1328.0 | 1285.5 | 1227.4 | 1204.3 | 1173.7 | 1137.2 | 1108.9 | 1091.7 | 1085.8 | 1081.3 |
| 35°    | 1250.5 | 1198.3 | 1143.1 | 1064.9 | 1048.5 | 1009.8 | 959.8  | 939.0  | 910.6  | 909.9  | 919.6  |
| 37.5°  | 1143.9 | 1063.4 | 1003.8 | 929.3  | 906.2  | 865.2  | 818.2  | 796.6  | 777.2  | 762.3  | 780.2  |
| 40°    | 1019.4 | 949.4  | 858.5  | 797.4  | 764.6  | 743.0  | 703.5  | 679.6  | 670.7  | 663.2  | 674.4  |
| 42.5°  | 903.2  | 826.4  | 755.6  | 693.0  | 666.2  | 641.6  | 615.5  | 592.4  | 585.7  | 585.0  | 593.2  |
| 45°    | 787.7  | 712.4  | 646.8  | 593.2  | 576.0  | 561.1  | 535.8  | 529.1  | 517.9  | 510.5  | 514.2  |
| 47.5°  | 695.3  | 617.8  | 563.4  | 522.4  | 507.5  | 494.8  | 478.4  | 467.2  | 457.6  | 454.6  | 459.0  |
| 50°    | 604.4  | 552.2  | 496.3  | 462.0  | 450.8  | 438.9  | 426.3  | 415.8  | 411.4  | 408.4  | 411.4  |
| 52.5°  | 531.3  | 475.4  | 437.4  | 409.9  | 398.7  | 389.7  | 380.8  | 376.3  | 370.4  | 371.9  | 374.8  |
| 55°    | 465.8  | 416.6  | 384.5  | 364.4  | 357.7  | 354.0  | 342.8  | 337.6  | 335.3  | 333.9  | 335.3  |
| 57.5°  | 403.9  | 368.1  | 344.3  | 327.1  | 318.2  | 316.0  | 307.0  | 307.0  | 304.8  | 302.6  | 303.3  |
| 60°    | 354.7  | 324.2  | 301.1  | 287.6  | 286.2  | 282.4  | 276.5  | 275.7  | 270.5  | 272.7  | 273.5  |
| 62.5°  | 304.8  | 280.2  | 264.5  | 256.4  | 251.1  | 249.6  | 245.9  | 245.2  | 242.9  | 243.7  | 242.2  |
| 65°    | 265.3  | 245.2  | 229.5  | 222.8  | 220.6  | 219.8  | 216.9  | 214.6  | 213.1  | 214.6  | 213.1  |
| 67.5°  | 225.8  | 212.4  | 200.5  | 193.8  | 190.8  | 190.0  | 187.8  | 186.3  | 187.0  | 184.8  | 186.3  |
| 70°    | 188.5  | 175.1  | 167.7  | 163.9  | 162.5  | 160.2  | 160.2  | 160.2  | 160.2  | 158.7  | 158.0  |
| 72.5°  | 158.7  | 145.3  | 140.1  | 137.9  | 136.4  | 135.6  | 133.4  | 134.1  | 133.4  | 132.6  | 135.6  |
| 75°    | 125.9  | 117.7  | 112.5  | 110.3  | 111.8  | 109.5  | 107.3  | 108.8  | 106.6  | 107.3  | 110.3  |
| 77.5°  | 95.4   | 91.7   | 88.7   | 87.2   | 85.7   | 84.2   | 84.2   | 82.7   | 82.7   | 82.7   | 82.7   |
| 80°    | 69.3   | 68.6   | 63.3   | 62.6   | 62.6   | 61.1   | 61.1   | 61.1   | 61.1   | 60.4   | 61.1   |
| 82.5°  | 46.2   | 45.5   | 44.0   | 43.2   | 41.7   | 42.5   | 42.5   | 41.0   | 41.0   | 40.2   | 41.0   |
| 85°    | 26.8   | 26.8   | 25.3   | 24.6   | 23.8   | 24.6   | 23.1   | 22.4   | 23.1   | 22.4   | 23.1   |
| 87.5°  | 12.7   | 11.2   | 11.9   | 11.2   | 9.7    | 10.4   | 8.9    | 9.7    | 8.9    | 8.2    | 9.7    |
| 90°    | 9.3    | 9.9    | 10.4   | 11.0   | 11.0   | 11.0   | 11.5   | 12.1   | 11.5   | 11.5   | 11.5   |
| 92.5°  | 179.2  | 132.5  | 98.9   | 78.1   | 71.2   | 64.3   | 56.1   | 52.2   | 50.0   | 50.0   | 50.0   |
| 95°    | 460.7  | 407.3  | 322.1  | 248.5  | 221.8  | 195.1  | 168.2  | 151.2  | 141.3  | 134.1  | 141.3  |
| 97.5°  | 577.8  | 586.5  | 544.2  | 483.8  | 453.0  | 422.2  | 384.8  | 351.8  | 335.3  | 322.1  | 335.3  |
| 100°   | 582.7  | 663.0  | 674.0  | 647.0  | 626.6  | 606.3  | 558.5  | 525.0  | 508.5  | 504.1  | 508.5  |
| 102.5° | 541.5  | 659.1  | 724.5  | 741.0  | 735.5  | 730.0  | 705.3  | 683.3  | 665.7  | 662.4  | 665.7  |
| 105°   | 489.8  | 615.7  | 710.8  | 765.2  | 776.4  | 787.7  | 788.8  | 784.4  | 776.8  | 773.5  | 776.8  |
| 107.5° | 447.5  | 562.4  | 665.2  | 741.0  | 764.1  | 787.2  | 811.4  | 821.3  | 825.7  | 826.2  | 825.7  |
| 110°   | 417.2  | 515.1  | 610.2  | 689.9  | 720.2  | 750.4  | 789.4  | 812.5  | 822.4  | 827.3  | 822.4  |



TEST NUMBER: P1001630

CATALOG NUMBER: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 400.2 | 480.5 | 561.8 | 636.0 | 666.2 | 696.5 | 742.1 | 771.3 | 786.1 | 794.9 | 786.1 |
| 115°   | 390.8 | 459.6 | 527.2 | 591.5 | 617.9 | 644.3 | 687.7 | 720.7 | 738.3 | 742.7 | 738.3 |
| 117.5° | 385.9 | 447.5 | 504.6 | 556.9 | 580.0 | 603.0 | 641.5 | 670.1 | 688.8 | 691.5 | 688.8 |
| 120°   | 382.1 | 439.8 | 490.9 | 534.9 | 554.4 | 573.9 | 605.2 | 629.4 | 643.7 | 649.8 | 643.7 |
| 122.5° | 377.7 | 433.2 | 482.1 | 521.1 | 537.6 | 554.1 | 579.4 | 599.2 | 610.7 | 616.8 | 610.7 |
| 125°   | 372.7 | 425.5 | 472.8 | 510.7 | 525.8 | 540.9 | 562.9 | 578.9 | 589.3 | 592.6 | 589.3 |
| 127.5° | 366.1 | 416.7 | 462.3 | 500.2 | 514.5 | 528.8 | 550.8 | 565.1 | 573.9 | 577.2 | 573.9 |
| 130°   | 360.1 | 405.7 | 449.1 | 486.5 | 501.0 | 515.6 | 538.2 | 551.9 | 560.7 | 564.0 | 560.7 |
| 132.5° | 354.6 | 394.1 | 434.3 | 470.6 | 485.2 | 499.7 | 521.7 | 537.6 | 545.9 | 549.2 | 545.9 |
| 135°   | 349.1 | 383.7 | 419.4 | 453.0 | 466.8 | 480.5 | 502.4 | 517.8 | 526.6 | 529.9 | 526.6 |
| 137.5° | 344.1 | 373.8 | 405.1 | 434.3 | 447.0 | 459.6 | 480.5 | 496.4 | 503.5 | 507.4 | 503.5 |
| 140°   | 340.3 | 365.6 | 391.4 | 416.1 | 427.6 | 439.2 | 458.5 | 470.6 | 478.3 | 482.7 | 478.3 |
| 142.5° | 337.0 | 357.9 | 379.9 | 400.2 | 409.8 | 419.4 | 435.9 | 446.9 | 453.5 | 456.3 | 453.5 |
| 145°   | 333.1 | 350.7 | 369.4 | 385.9 | 393.6 | 401.3 | 415.0 | 424.4 | 429.9 | 432.6 | 429.9 |
| 147.5° | 329.8 | 344.7 | 360.1 | 373.8 | 380.2 | 386.5 | 396.9 | 405.1 | 409.5 | 410.6 | 409.5 |
| 150°   | 326.0 | 339.2 | 351.8 | 362.8 | 367.8 | 372.7 | 381.5 | 388.7 | 391.9 | 392.5 | 391.9 |
| 152.5° | 321.6 | 333.1 | 343.6 | 353.5 | 357.4 | 361.2 | 368.3 | 373.8 | 375.5 | 376.0 | 375.5 |
| 155°   | 317.2 | 327.1 | 335.9 | 344.1 | 347.4 | 350.7 | 356.2 | 360.6 | 362.3 | 362.3 | 362.3 |
| 157.5° | 312.8 | 320.5 | 328.2 | 335.3 | 338.0 | 340.8 | 345.2 | 348.5 | 349.6 | 349.6 | 349.6 |
| 160°   | 307.8 | 314.4 | 320.5 | 326.5 | 328.7 | 330.9 | 334.2 | 337.5 | 338.1 | 338.1 | 338.1 |
| 162.5° | 303.4 | 308.4 | 313.3 | 317.7 | 319.6 | 321.6 | 323.8 | 327.1 | 327.6 | 327.1 | 327.6 |
| 165°   | 298.5 | 302.9 | 306.2 | 310.0 | 311.4 | 312.8 | 315.0 | 317.2 | 316.6 | 316.1 | 316.6 |
| 167.5° | 294.1 | 297.4 | 300.1 | 303.4 | 304.2 | 305.1 | 306.2 | 307.8 | 307.8 | 307.3 | 307.8 |
| 170°   | 289.7 | 292.4 | 294.1 | 296.3 | 297.1 | 297.9 | 299.0 | 299.6 | 299.0 | 299.0 | 299.0 |
| 172.5° | 285.9 | 288.1 | 289.2 | 290.3 | 290.8 | 291.4 | 291.9 | 292.4 | 291.9 | 290.8 | 291.9 |
| 175°   | 283.1 | 284.2 | 284.8 | 285.9 | 285.9 | 285.9 | 285.9 | 287.0 | 285.9 | 284.8 | 285.9 |
| 177.5° | 280.9 | 281.5 | 282.0 | 282.0 | 282.3 | 282.6 | 282.0 | 282.6 | 281.5 | 280.4 | 281.5 |
| 180°   | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 |

TEST NUMBER: P1001630

CATALOG NUMBER: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 899.5  | 899.5  | 899.5  | 899.5  | 899.5  | 899.5  | 899.5  | 899.5  | 899.5  | 899.5  | 899.5  |
| 2.5°   | 970.3  | 968.0  | 965.0  | 965.0  | 961.3  | 961.3  | 955.4  | 944.9  | 936.0  | 933.0  | 934.5  |
| 5°     | 1053.0 | 1053.7 | 1049.2 | 1045.5 | 1038.8 | 1033.6 | 1023.9 | 1005.3 | 999.3  | 987.4  | 979.2  |
| 7.5°   | 1147.6 | 1144.6 | 1136.4 | 1130.5 | 1129.0 | 1117.1 | 1096.2 | 1073.8 | 1056.0 | 1044.0 | 1026.9 |
| 10°    | 1254.2 | 1242.3 | 1230.3 | 1226.6 | 1217.7 | 1197.5 | 1173.7 | 1149.1 | 1124.5 | 1098.4 | 1069.4 |
| 12.5°  | 1343.6 | 1320.5 | 1319.8 | 1310.8 | 1293.7 | 1282.5 | 1254.2 | 1219.2 | 1176.7 | 1147.6 | 1114.8 |
| 15°    | 1439.7 | 1418.1 | 1400.2 | 1383.8 | 1375.6 | 1342.9 | 1319.0 | 1275.0 | 1224.4 | 1193.1 | 1170.7 |
| 17.5°  | 1508.3 | 1498.6 | 1468.1 | 1460.6 | 1449.4 | 1411.4 | 1373.4 | 1330.2 | 1286.2 | 1242.3 | 1181.9 |
| 20°    | 1563.4 | 1557.5 | 1537.4 | 1526.9 | 1509.0 | 1479.2 | 1433.0 | 1383.1 | 1332.4 | 1269.8 | 1213.2 |
| 22.5°  | 1587.3 | 1579.8 | 1563.4 | 1554.5 | 1543.3 | 1518.0 | 1478.5 | 1421.9 | 1355.5 | 1299.6 | 1239.3 |
| 25°    | 1540.3 | 1553.8 | 1549.3 | 1545.6 | 1541.1 | 1526.2 | 1496.4 | 1446.4 | 1381.6 | 1318.3 | 1243.0 |
| 27.5°  | 1434.5 | 1457.6 | 1480.0 | 1483.0 | 1490.4 | 1496.4 | 1484.4 | 1448.7 | 1394.3 | 1327.2 | 1244.5 |
| 30°    | 1292.2 | 1302.6 | 1348.1 | 1361.5 | 1371.9 | 1409.9 | 1432.3 | 1423.3 | 1381.6 | 1321.2 | 1245.2 |
| 32.5°  | 1109.6 | 1137.2 | 1183.4 | 1215.4 | 1243.7 | 1286.2 | 1344.3 | 1367.5 | 1352.5 | 1303.4 | 1228.1 |
| 35°    | 936.7  | 969.5  | 1023.2 | 1064.2 | 1092.5 | 1152.8 | 1221.4 | 1271.3 | 1289.9 | 1265.4 | 1198.3 |
| 37.5°  | 795.1  | 834.6  | 882.3  | 898.0  | 930.8  | 1005.3 | 1099.9 | 1169.2 | 1214.7 | 1216.9 | 1164.8 |
| 40°    | 688.6  | 708.7  | 746.7  | 770.5  | 802.6  | 865.2  | 957.6  | 1049.2 | 1117.8 | 1140.9 | 1113.3 |
| 42.5°  | 598.4  | 614.0  | 642.4  | 671.4  | 700.5  | 748.2  | 833.1  | 918.8  | 1011.2 | 1057.4 | 1056.7 |
| 45°    | 526.9  | 543.3  | 562.6  | 586.5  | 606.6  | 658.0  | 725.1  | 813.0  | 892.8  | 964.3  | 982.2  |
| 47.5°  | 464.3  | 478.4  | 502.3  | 512.7  | 526.1  | 574.6  | 632.7  | 714.7  | 797.4  | 879.3  | 900.2  |
| 50°    | 418.1  | 430.0  | 446.4  | 453.1  | 468.0  | 503.8  | 551.5  | 617.8  | 709.4  | 784.7  | 823.5  |
| 52.5°  | 376.3  | 385.3  | 397.9  | 403.2  | 413.6  | 440.4  | 483.6  | 535.8  | 611.8  | 689.3  | 743.7  |
| 55°    | 340.6  | 346.5  | 355.5  | 361.4  | 368.9  | 392.7  | 424.8  | 471.7  | 537.3  | 604.4  | 657.3  |
| 57.5°  | 307.0  | 311.5  | 320.4  | 323.4  | 329.4  | 348.0  | 370.4  | 409.9  | 470.2  | 529.8  | 581.3  |
| 60°    | 275.7  | 278.7  | 283.9  | 290.6  | 295.1  | 307.8  | 328.6  | 361.4  | 409.9  | 464.3  | 506.0  |
| 62.5°  | 245.9  | 250.4  | 251.9  | 254.9  | 258.6  | 270.5  | 286.9  | 310.8  | 353.2  | 397.9  | 441.9  |
| 65°    | 215.4  | 219.1  | 222.1  | 222.8  | 226.5  | 235.5  | 250.4  | 271.3  | 298.8  | 337.6  | 378.6  |
| 67.5°  | 187.0  | 189.3  | 190.8  | 193.8  | 197.5  | 202.0  | 213.9  | 229.5  | 254.9  | 286.2  | 318.9  |
| 70°    | 161.0  | 161.0  | 163.2  | 163.9  | 168.4  | 173.6  | 178.8  | 193.8  | 216.1  | 241.4  | 263.8  |
| 72.5°  | 132.6  | 136.4  | 135.6  | 139.4  | 138.6  | 142.3  | 149.0  | 158.7  | 175.1  | 195.2  | 216.9  |
| 75°    | 108.1  | 110.3  | 110.3  | 110.3  | 111.8  | 114.8  | 118.5  | 127.4  | 140.1  | 156.5  | 169.2  |
| 77.5°  | 84.2   | 85.7   | 85.7   | 85.7   | 86.4   | 89.4   | 93.2   | 99.1   | 108.1  | 117.7  | 125.2  |
| 80°    | 60.4   | 61.9   | 61.9   | 63.3   | 63.3   | 64.1   | 67.8   | 70.8   | 75.3   | 82.7   | 90.2   |
| 82.5°  | 41.0   | 41.7   | 43.2   | 43.2   | 42.5   | 44.0   | 44.7   | 47.7   | 52.2   | 53.7   | 58.9   |
| 85°    | 22.4   | 23.1   | 23.8   | 23.8   | 24.6   | 26.1   | 25.3   | 28.3   | 28.3   | 31.3   | 32.8   |
| 87.5°  | 8.9    | 10.4   | 10.4   | 9.7    | 10.4   | 10.4   | 10.4   | 11.9   | 12.7   | 13.4   | 12.7   |
| 90°    | 12.1   | 11.5   | 11.0   | 11.0   | 11.0   | 10.4   | 9.9    | 9.3    | 9.9    | 8.8    | 7.7    |
| 92.5°  | 52.2   | 56.1   | 64.3   | 71.2   | 78.1   | 98.9   | 132.5  | 179.2  | 215.5  | 188.6  | 136.9  |
| 95°    | 151.2  | 168.2  | 195.1  | 221.8  | 248.5  | 322.1  | 407.3  | 460.7  | 448.0  | 338.1  | 206.7  |
| 97.5°  | 351.8  | 384.8  | 422.2  | 453.0  | 483.8  | 544.2  | 586.5  | 577.8  | 479.4  | 323.8  | 188.6  |
| 100°   | 525.0  | 558.5  | 606.3  | 626.6  | 647.0  | 674.0  | 663.0  | 582.7  | 442.0  | 287.0  | 174.8  |
| 102.5° | 683.3  | 705.3  | 730.0  | 735.5  | 741.0  | 724.5  | 659.1  | 541.5  | 395.2  | 262.2  | 171.0  |
| 105°   | 784.4  | 788.8  | 787.7  | 776.4  | 765.2  | 710.8  | 615.7  | 489.8  | 360.6  | 250.1  | 173.2  |
| 107.5° | 821.3  | 811.4  | 787.2  | 764.1  | 741.0  | 665.2  | 562.4  | 447.5  | 338.1  | 246.8  | 179.8  |
| 110°   | 812.5  | 789.4  | 750.4  | 720.2  | 689.9  | 610.2  | 515.1  | 417.2  | 327.6  | 247.9  | 187.5  |

TEST NUMBER: P1001630

CATALOG NUMBER: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 771.3 | 742.1 | 696.5 | 666.2  | 636.0 | 561.8 | 480.5 | 400.2 | 322.7 | 251.2 | 195.7 |
| 115°   | 720.7 | 687.7 | 644.3 | 617.9  | 591.5 | 527.2 | 459.6 | 390.8 | 321.6 | 255.6 | 204.5 |
| 117.5° | 670.1 | 641.5 | 603.0 | 580.0  | 556.9 | 504.6 | 447.5 | 385.9 | 321.0 | 260.0 | 213.3 |
| 120°   | 629.4 | 605.2 | 573.9 | 554.4  | 534.9 | 490.9 | 439.8 | 382.1 | 321.0 | 265.0 | 222.6 |
| 122.5° | 599.2 | 579.4 | 554.1 | 537.6  | 521.1 | 482.1 | 433.2 | 377.7 | 320.5 | 269.9 | 231.4 |
| 125°   | 578.9 | 562.9 | 540.9 | 525.8  | 510.7 | 472.8 | 425.5 | 372.7 | 319.9 | 274.9 | 240.2 |
| 127.5° | 565.1 | 550.8 | 528.8 | 514.5  | 500.2 | 462.3 | 416.7 | 366.1 | 318.8 | 278.7 | 247.9 |
| 130°   | 551.9 | 538.2 | 515.6 | 501.0  | 486.5 | 449.1 | 405.7 | 360.1 | 318.3 | 283.1 | 255.1 |
| 132.5° | 537.6 | 521.7 | 499.7 | 485.2  | 470.6 | 434.3 | 394.1 | 354.6 | 317.7 | 287.0 | 262.2 |
| 135°   | 517.8 | 502.4 | 480.5 | 466.8  | 453.0 | 419.4 | 383.7 | 349.1 | 317.2 | 290.8 | 268.3 |
| 137.5° | 496.4 | 480.5 | 459.6 | 447.0  | 434.3 | 405.1 | 373.8 | 344.1 | 317.2 | 293.0 | 272.7 |
| 140°   | 470.6 | 458.5 | 439.2 | 427.6  | 416.1 | 391.4 | 365.6 | 340.3 | 316.6 | 295.7 | 277.1 |
| 142.5° | 446.9 | 435.9 | 419.4 | 409.8  | 400.2 | 379.9 | 357.9 | 337.0 | 316.6 | 297.9 | 280.4 |
| 145°   | 424.4 | 415.0 | 401.3 | 393.6  | 385.9 | 369.4 | 350.7 | 333.1 | 315.5 | 298.5 | 282.6 |
| 147.5° | 405.1 | 396.9 | 386.5 | 380.2  | 373.8 | 360.1 | 344.7 | 329.8 | 313.9 | 299.0 | 284.8 |
| 150°   | 388.7 | 381.5 | 372.7 | 367.8  | 362.8 | 351.8 | 339.2 | 326.0 | 312.2 | 299.0 | 286.4 |
| 152.5° | 373.8 | 368.3 | 361.2 | 357.4  | 353.5 | 343.6 | 333.1 | 321.6 | 309.5 | 297.9 | 287.5 |
| 155°   | 360.6 | 356.2 | 350.7 | 347.4  | 344.1 | 335.9 | 327.1 | 317.2 | 306.7 | 296.8 | 288.1 |
| 157.5° | 348.5 | 345.2 | 340.8 | 338.0  | 335.3 | 328.2 | 320.5 | 312.8 | 304.0 | 295.7 | 288.1 |
| 160°   | 337.5 | 334.2 | 330.9 | 328.7  | 326.5 | 320.5 | 314.4 | 307.8 | 300.7 | 294.1 | 288.1 |
| 162.5° | 327.1 | 323.8 | 321.6 | 319.6  | 317.7 | 313.3 | 308.4 | 303.4 | 297.4 | 292.4 | 288.1 |
| 165°   | 317.2 | 315.0 | 312.8 | 311.4  | 310.0 | 306.2 | 302.9 | 298.5 | 294.1 | 290.3 | 287.0 |
| 167.5° | 307.8 | 306.2 | 305.1 | 304.2  | 303.4 | 300.1 | 297.4 | 294.1 | 290.8 | 288.1 | 285.9 |
| 170°   | 299.6 | 299.0 | 297.9 | 297.1  | 296.3 | 294.1 | 292.4 | 289.7 | 287.5 | 285.9 | 284.8 |
| 172.5° | 292.4 | 291.9 | 291.4 | 290.8  | 290.3 | 289.2 | 288.1 | 285.9 | 284.2 | 283.7 | 283.7 |
| 175°   | 287.0 | 285.9 | 285.9 | 285.9  | 285.9 | 284.8 | 284.2 | 283.1 | 282.0 | 282.0 | 282.6 |
| 177.5° | 282.6 | 282.0 | 282.6 | 282.3  | 282.0 | 282.0 | 281.5 | 280.9 | 280.4 | 280.4 | 281.5 |
| 180°   | 279.8 | 279.8 | 279.8 | 279.8  | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 |

TEST NUMBER: P1001630

CATALOG NUMBER: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 899.5  | 899.5  | 899.5  | 899.5  | 899.5 | 899.5 | 899.5 | 899.5 | 899.5 | 899.5 | 899.5 |
| 2.5°   | 927.8  | 924.8  | 922.6  | 922.6  | 915.9 | 909.1 | 905.4 | 903.9 | 902.4 | 896.5 | 888.3 |
| 5°     | 965.8  | 956.1  | 949.4  | 942.7  | 931.5 | 919.6 | 907.7 | 901.0 | 891.3 | 877.9 | 868.2 |
| 7.5°   | 1008.3 | 985.2  | 977.7  | 969.5  | 947.2 | 927.0 | 910.6 | 896.5 | 880.8 | 863.7 | 846.6 |
| 10°    | 1044.0 | 1019.4 | 1003.0 | 988.9  | 959.8 | 933.0 | 908.4 | 887.5 | 867.4 | 845.1 | 824.2 |
| 12.5°  | 1078.3 | 1043.3 | 1026.1 | 1005.3 | 974.7 | 936.0 | 903.9 | 877.9 | 848.0 | 824.9 | 799.6 |
| 15°    | 1126.0 | 1067.1 | 1038.8 | 1025.4 | 984.4 | 939.0 | 900.2 | 861.5 | 836.9 | 801.8 | 779.5 |
| 17.5°  | 1133.5 | 1085.8 | 1067.1 | 1032.9 | 983.7 | 932.3 | 887.5 | 848.8 | 811.5 | 780.2 | 751.2 |
| 20°    | 1159.5 | 1096.9 | 1067.1 | 1045.5 | 980.7 | 928.5 | 879.3 | 829.4 | 793.6 | 760.1 | 727.3 |
| 22.5°  | 1175.9 | 1105.1 | 1073.8 | 1039.6 | 977.7 | 915.1 | 857.0 | 813.8 | 769.8 | 735.5 | 709.4 |
| 25°    | 1171.5 | 1100.7 | 1065.6 | 1033.6 | 958.3 | 895.7 | 843.6 | 788.4 | 747.4 | 710.2 | 675.9 |
| 27.5°  | 1169.2 | 1089.5 | 1052.2 | 1016.5 | 945.7 | 880.1 | 814.5 | 769.8 | 724.3 | 681.1 | 655.8 |
| 30°    | 1163.3 | 1075.3 | 1032.1 | 993.4  | 919.6 | 851.0 | 795.1 | 743.0 | 697.5 | 658.0 | 624.5 |
| 32.5°  | 1143.1 | 1051.5 | 1009.8 | 968.0  | 891.3 | 822.7 | 766.1 | 717.6 | 672.2 | 631.2 | 599.1 |
| 35°    | 1116.3 | 1023.2 | 977.7  | 933.7  | 857.0 | 787.7 | 735.5 | 684.8 | 642.4 | 602.9 | 572.3 |
| 37.5°  | 1089.5 | 990.4  | 947.9  | 897.2  | 826.4 | 754.1 | 700.5 | 655.0 | 615.5 | 574.6 | 541.0 |
| 40°    | 1050.7 | 951.6  | 904.7  | 861.5  | 778.7 | 710.9 | 661.7 | 620.8 | 582.0 | 543.3 | 514.9 |
| 42.5°  | 997.8  | 909.1  | 860.7  | 813.0  | 735.5 | 668.4 | 620.8 | 584.2 | 547.7 | 515.7 | 484.4 |
| 45°    | 944.2  | 857.7  | 814.5  | 772.0  | 687.8 | 624.5 | 580.5 | 547.0 | 516.4 | 481.4 | 456.1 |
| 47.5°  | 879.3  | 806.3  | 763.1  | 721.4  | 641.6 | 578.3 | 538.0 | 506.7 | 478.4 | 449.4 | 425.5 |
| 50°    | 813.0  | 749.7  | 710.2  | 667.0  | 590.9 | 533.6 | 494.1 | 468.0 | 444.9 | 417.3 | 397.9 |
| 52.5°  | 741.5  | 686.3  | 652.8  | 611.1  | 544.0 | 491.1 | 450.8 | 424.8 | 405.4 | 385.3 | 368.1 |
| 55°    | 665.5  | 625.2  | 589.5  | 555.9  | 492.6 | 444.9 | 409.1 | 386.0 | 372.6 | 354.0 | 339.1 |
| 57.5°  | 596.9  | 558.2  | 536.5  | 498.5  | 443.4 | 396.4 | 368.1 | 348.8 | 333.1 | 321.9 | 310.0 |
| 60°    | 525.4  | 494.1  | 470.2  | 442.7  | 394.2 | 354.7 | 324.9 | 313.7 | 297.3 | 289.1 | 283.9 |
| 62.5°  | 456.8  | 434.5  | 412.1  | 391.2  | 348.0 | 310.8 | 288.4 | 274.2 | 264.5 | 256.4 | 251.9 |
| 65°    | 392.0  | 371.1  | 355.5  | 336.8  | 301.1 | 271.3 | 250.4 | 239.2 | 229.5 | 227.3 | 222.1 |
| 67.5°  | 328.6  | 319.7  | 302.6  | 287.6  | 257.1 | 234.0 | 218.3 | 204.2 | 199.0 | 196.7 | 192.3 |
| 70°    | 275.0  | 264.5  | 251.1  | 238.5  | 215.4 | 195.2 | 181.1 | 175.9 | 168.4 | 167.7 | 162.5 |
| 72.5°  | 226.5  | 213.9  | 204.2  | 194.5  | 177.4 | 159.5 | 152.0 | 144.6 | 140.8 | 137.9 | 135.6 |
| 75°    | 179.6  | 170.7  | 163.9  | 155.7  | 140.8 | 128.9 | 118.5 | 115.5 | 113.3 | 112.5 | 111.0 |
| 77.5°  | 134.1  | 128.2  | 125.2  | 117.0  | 106.6 | 96.1  | 91.7  | 87.2  | 87.2  | 85.7  | 86.4  |
| 80°    | 95.4   | 91.7   | 87.9   | 83.5   | 74.5  | 70.0  | 66.3  | 63.3  | 61.9  | 61.1  | 61.9  |
| 82.5°  | 60.4   | 58.1   | 57.4   | 54.4   | 48.4  | 46.2  | 43.2  | 41.0  | 41.0  | 41.0  | 41.0  |
| 85°    | 33.5   | 33.5   | 33.5   | 29.1   | 26.8  | 24.6  | 23.1  | 22.4  | 22.4  | 22.4  | 23.1  |
| 87.5°  | 14.2   | 14.2   | 11.9   | 11.9   | 11.2  | 9.7   | 8.9   | 8.9   | 9.7   | 9.7   | 10.4  |
| 90°    | 7.7    | 4.4    | 4.4    | 4.4    | 3.8   | 3.3   | 1.6   | 0.5   | 1.6   | 3.3   | 3.8   |
| 92.5°  | 83.6   | 49.5   | 42.4   | 35.2   | 25.3  | 17.0  | 11.0  | 7.7   | 11.0  | 17.0  | 25.3  |
| 95°    | 116.5  | 68.7   | 57.2   | 45.6   | 32.4  | 25.3  | 19.8  | 18.1  | 19.8  | 25.3  | 32.4  |
| 97.5°  | 111.0  | 73.1   | 63.2   | 53.3   | 41.8  | 35.2  | 30.2  | 30.2  | 30.2  | 35.2  | 41.8  |
| 100°   | 112.7  | 80.3   | 71.5   | 62.7   | 52.2  | 45.6  | 41.8  | 41.8  | 41.8  | 45.6  | 52.2  |
| 102.5° | 118.2  | 89.6   | 81.4   | 73.1   | 63.2  | 57.2  | 53.9  | 52.8  | 53.9  | 57.2  | 63.2  |
| 105°   | 127.5  | 101.1  | 93.2   | 85.2   | 75.3  | 68.7  | 66.0  | 64.3  | 66.0  | 68.7  | 75.3  |
| 107.5° | 137.4  | 113.2  | 105.2  | 97.3   | 88.0  | 80.8  | 78.1  | 77.0  | 78.1  | 80.8  | 88.0  |
| 110°   | 149.0  | 124.8  | 117.4  | 109.9  | 100.0 | 93.5  | 90.7  | 89.6  | 90.7  | 93.5  | 100.0 |

TEST NUMBER: P1001630

CATALOG NUMBER: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 160.0 | 136.9 | 129.4  | 122.0 | 112.1 | 106.1 | 102.8 | 101.7 | 102.8 | 106.1 | 112.1 |
| 115°   | 171.5 | 149.5 | 142.1  | 134.7 | 124.2 | 118.7 | 114.9 | 113.2 | 114.9 | 118.7 | 124.2 |
| 117.5° | 182.5 | 161.6 | 153.9  | 146.2 | 136.3 | 130.3 | 127.0 | 125.3 | 127.0 | 130.3 | 136.3 |
| 120°   | 194.1 | 173.2 | 165.5  | 157.8 | 148.4 | 142.4 | 138.5 | 137.4 | 138.5 | 142.4 | 148.4 |
| 122.5° | 205.0 | 184.2 | 176.8  | 169.3 | 158.9 | 153.4 | 149.5 | 148.4 | 149.5 | 153.4 | 158.9 |
| 125°   | 214.9 | 195.1 | 187.4  | 179.8 | 169.3 | 163.3 | 160.0 | 157.8 | 160.0 | 163.3 | 169.3 |
| 127.5° | 224.3 | 205.0 | 197.4  | 189.7 | 178.7 | 172.1 | 168.2 | 166.6 | 168.2 | 172.1 | 178.7 |
| 130°   | 233.6 | 214.9 | 207.0  | 199.0 | 188.6 | 180.3 | 175.9 | 173.7 | 175.9 | 180.3 | 188.6 |
| 132.5° | 241.3 | 222.6 | 215.2  | 207.8 | 196.2 | 188.6 | 182.5 | 180.9 | 182.5 | 188.6 | 196.2 |
| 135°   | 248.5 | 230.3 | 223.2  | 216.0 | 204.5 | 195.1 | 189.7 | 187.5 | 189.7 | 195.1 | 204.5 |
| 137.5° | 254.0 | 236.9 | 230.0  | 223.2 | 211.1 | 202.3 | 196.2 | 194.1 | 196.2 | 202.3 | 211.1 |
| 140°   | 259.5 | 243.0 | 236.4  | 229.8 | 218.2 | 208.9 | 202.8 | 201.2 | 202.8 | 208.9 | 218.2 |
| 142.5° | 264.4 | 248.5 | 242.2  | 235.8 | 224.8 | 216.0 | 210.5 | 208.9 | 210.5 | 216.0 | 224.8 |
| 145°   | 267.7 | 253.4 | 247.4  | 241.3 | 230.9 | 223.2 | 217.7 | 216.0 | 217.7 | 223.2 | 230.9 |
| 147.5° | 271.6 | 257.8 | 252.3  | 246.8 | 238.0 | 229.8 | 224.8 | 224.3 | 224.8 | 229.8 | 238.0 |
| 150°   | 274.3 | 262.2 | 257.0  | 251.8 | 243.5 | 236.9 | 232.5 | 232.0 | 232.5 | 236.9 | 243.5 |
| 152.5° | 276.5 | 266.1 | 261.4  | 256.7 | 249.6 | 243.5 | 239.1 | 239.1 | 239.1 | 243.5 | 249.6 |
| 155°   | 278.7 | 269.4 | 265.2  | 261.1 | 255.1 | 249.6 | 246.3 | 245.7 | 246.3 | 249.6 | 255.1 |
| 157.5° | 280.4 | 272.1 | 268.8  | 265.5 | 260.0 | 255.6 | 252.3 | 252.3 | 252.3 | 255.6 | 260.0 |
| 160°   | 281.5 | 274.9 | 271.8  | 268.8 | 264.4 | 260.6 | 258.4 | 258.4 | 258.4 | 260.6 | 264.4 |
| 162.5° | 282.6 | 276.5 | 274.3  | 272.1 | 268.3 | 265.0 | 263.3 | 263.9 | 263.3 | 265.0 | 268.3 |
| 165°   | 282.6 | 277.6 | 276.0  | 274.3 | 271.6 | 268.8 | 267.7 | 267.7 | 267.7 | 268.8 | 271.6 |
| 167.5° | 282.6 | 278.7 | 277.4  | 276.0 | 274.3 | 272.1 | 271.6 | 272.1 | 271.6 | 272.1 | 274.3 |
| 170°   | 282.0 | 279.3 | 278.5  | 277.6 | 276.5 | 274.9 | 274.3 | 274.9 | 274.3 | 274.9 | 276.5 |
| 172.5° | 281.5 | 279.8 | 279.2  | 278.7 | 278.2 | 277.1 | 277.1 | 277.6 | 277.1 | 277.1 | 278.2 |
| 175°   | 280.9 | 279.8 | 279.8  | 279.8 | 279.3 | 278.7 | 278.7 | 279.3 | 278.7 | 278.7 | 279.3 |
| 177.5° | 280.4 | 279.8 | 279.8  | 279.8 | 279.8 | 279.3 | 279.8 | 280.4 | 279.8 | 279.3 | 279.8 |
| 180°   | 279.8 | 279.8 | 279.8  | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 |

TEST NUMBER: P1001630

CATALOG NUMBER: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 899.5 | 899.5  | 899.5 | 899.5 | 899.5 | 899.5 | 899.5 | 899.5 | 899.5 | 899.5 | 899.5 |
| 2.5°   | 886.0 | 883.1  | 884.6 | 877.1 | 870.4 | 860.7 | 852.5 | 851.0 | 849.5 | 854.0 | 851.0 |
| 5°     | 860.7 | 857.0  | 853.3 | 844.3 | 830.9 | 822.7 | 810.8 | 810.0 | 805.6 | 798.9 | 800.3 |
| 7.5°   | 833.1 | 830.9  | 825.7 | 811.5 | 799.6 | 785.4 | 775.8 | 767.6 | 763.8 | 757.9 | 755.6 |
| 10°    | 810.8 | 802.6  | 798.1 | 782.5 | 768.3 | 753.4 | 740.7 | 734.8 | 728.1 | 722.8 | 719.1 |
| 12.5°  | 780.2 | 778.0  | 765.3 | 752.7 | 740.7 | 723.6 | 713.9 | 696.8 | 687.8 | 692.3 | 690.8 |
| 15°    | 760.1 | 749.7  | 746.7 | 728.8 | 708.7 | 697.5 | 679.6 | 668.4 | 664.7 | 658.0 | 649.8 |
| 17.5°  | 733.3 | 726.6  | 716.1 | 699.7 | 676.6 | 661.0 | 648.3 | 637.9 | 633.4 | 624.5 | 617.8 |
| 20°    | 707.9 | 696.8  | 688.6 | 673.7 | 651.3 | 631.2 | 615.5 | 608.8 | 597.7 | 590.2 | 586.5 |
| 22.5°  | 684.8 | 676.6  | 664.7 | 642.4 | 623.0 | 603.6 | 585.0 | 575.3 | 564.9 | 560.4 | 554.4 |
| 25°    | 656.5 | 643.1  | 634.9 | 610.3 | 589.5 | 573.8 | 556.7 | 544.0 | 538.0 | 530.6 | 529.1 |
| 27.5°  | 629.0 | 616.3  | 606.6 | 585.0 | 559.6 | 539.5 | 529.1 | 520.2 | 509.7 | 509.7 | 506.0 |
| 30°    | 601.4 | 592.4  | 577.5 | 556.7 | 532.8 | 513.4 | 501.5 | 493.3 | 489.6 | 486.6 | 485.9 |
| 32.5°  | 573.8 | 561.9  | 552.9 | 524.6 | 506.7 | 488.9 | 479.9 | 473.2 | 468.7 | 468.0 | 468.7 |
| 35°    | 545.5 | 532.1  | 523.1 | 497.8 | 479.9 | 463.5 | 459.8 | 453.8 | 451.6 | 450.8 | 454.6 |
| 37.5°  | 515.7 | 505.2  | 494.1 | 473.2 | 453.1 | 443.4 | 435.9 | 433.7 | 433.0 | 437.4 | 438.9 |
| 40°    | 488.1 | 479.2  | 468.7 | 446.4 | 431.5 | 421.0 | 417.3 | 415.1 | 418.1 | 422.5 | 424.8 |
| 42.5°  | 462.0 | 449.4  | 441.2 | 421.0 | 407.6 | 401.7 | 397.2 | 397.2 | 400.2 | 405.4 | 409.1 |
| 45°    | 434.5 | 424.8  | 416.6 | 398.7 | 386.8 | 380.1 | 379.3 | 380.1 | 383.8 | 387.5 | 392.0 |
| 47.5°  | 407.6 | 397.9  | 389.0 | 374.1 | 363.7 | 359.9 | 359.2 | 359.9 | 365.9 | 371.1 | 376.3 |
| 50°    | 383.0 | 372.6  | 364.4 | 350.2 | 342.0 | 337.6 | 338.3 | 342.0 | 346.5 | 354.0 | 360.7 |
| 52.5°  | 354.0 | 346.5  | 339.1 | 326.4 | 318.9 | 316.0 | 318.2 | 321.2 | 329.4 | 334.6 | 342.8 |
| 55°    | 325.7 | 318.9  | 313.0 | 303.3 | 297.3 | 295.1 | 296.6 | 301.1 | 307.8 | 316.7 | 326.4 |
| 57.5°  | 299.6 | 292.1  | 286.2 | 279.5 | 272.7 | 273.5 | 274.2 | 280.2 | 288.4 | 296.6 | 307.8 |
| 60°    | 270.5 | 266.0  | 260.8 | 252.6 | 249.6 | 249.6 | 251.9 | 258.6 | 266.0 | 279.5 | 289.1 |
| 62.5°  | 244.4 | 238.5  | 234.7 | 229.5 | 225.1 | 225.8 | 231.0 | 237.0 | 245.9 | 257.1 | 269.8 |
| 65°    | 217.6 | 210.9  | 207.9 | 203.4 | 202.0 | 202.7 | 206.4 | 215.4 | 225.1 | 234.7 | 246.7 |
| 67.5°  | 187.8 | 185.6  | 182.6 | 178.1 | 179.6 | 180.3 | 184.1 | 191.5 | 202.0 | 211.6 | 225.1 |
| 70°    | 162.5 | 158.0  | 157.2 | 153.5 | 153.5 | 155.7 | 163.2 | 168.4 | 178.1 | 188.5 | 202.7 |
| 72.5°  | 135.6 | 131.9  | 131.9 | 128.9 | 131.2 | 133.4 | 137.1 | 144.6 | 153.5 | 163.9 | 175.9 |
| 75°    | 108.1 | 106.6  | 108.1 | 106.6 | 106.6 | 110.3 | 114.8 | 120.7 | 130.4 | 141.6 | 151.3 |
| 77.5°  | 83.5  | 83.5   | 82.7  | 85.0  | 85.0  | 87.2  | 93.2  | 99.1  | 106.6 | 115.5 | 125.9 |
| 80°    | 61.1  | 61.1   | 61.1  | 63.3  | 65.6  | 65.6  | 69.3  | 76.8  | 83.5  | 89.4  | 99.1  |
| 82.5°  | 41.7  | 41.7   | 41.7  | 43.2  | 46.2  | 46.2  | 50.7  | 55.1  | 62.6  | 67.8  | 72.3  |
| 85°    | 25.3  | 25.3   | 24.6  | 26.1  | 26.8  | 29.1  | 32.8  | 35.8  | 39.5  | 44.0  | 48.4  |
| 87.5°  | 11.2  | 11.2   | 11.9  | 12.7  | 13.4  | 14.9  | 16.4  | 17.9  | 21.6  | 23.1  | 25.3  |
| 90°    | 4.4   | 4.4    | 4.4   | 7.7   | 7.7   | 8.8   | 9.9   | 9.3   | 9.9   | 10.4  | 11.0  |
| 92.5°  | 35.2  | 42.4   | 49.5  | 83.6  | 136.9 | 188.6 | 215.5 | 179.2 | 132.5 | 98.9  | 78.1  |
| 95°    | 45.6  | 57.2   | 68.7  | 116.5 | 206.7 | 338.1 | 448.0 | 460.7 | 407.3 | 322.1 | 248.5 |
| 97.5°  | 53.3  | 63.2   | 73.1  | 111.0 | 188.6 | 323.8 | 479.4 | 577.8 | 586.5 | 544.2 | 483.8 |
| 100°   | 62.7  | 71.5   | 80.3  | 112.7 | 174.8 | 287.0 | 442.0 | 582.7 | 663.0 | 674.0 | 647.0 |
| 102.5° | 73.1  | 81.4   | 89.6  | 118.2 | 171.0 | 262.2 | 395.2 | 541.5 | 659.1 | 724.5 | 741.0 |
| 105°   | 85.2  | 93.2   | 101.1 | 127.5 | 173.2 | 250.1 | 360.6 | 489.8 | 615.7 | 710.8 | 765.2 |
| 107.5° | 97.3  | 105.2  | 113.2 | 137.4 | 179.8 | 246.8 | 338.1 | 447.5 | 562.4 | 665.2 | 741.0 |
| 110°   | 109.9 | 117.4  | 124.8 | 149.0 | 187.5 | 247.9 | 327.6 | 417.2 | 515.1 | 610.2 | 689.9 |

TEST NUMBER: P1001630

CATALOG NUMBER: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 122.0 | 129.4  | 136.9 | 160.0 | 195.7 | 251.2 | 322.7 | 400.2 | 480.5 | 561.8 | 636.0 |
| 115°   | 134.7 | 142.1  | 149.5 | 171.5 | 204.5 | 255.6 | 321.6 | 390.8 | 459.6 | 527.2 | 591.5 |
| 117.5° | 146.2 | 153.9  | 161.6 | 182.5 | 213.3 | 260.0 | 321.0 | 385.9 | 447.5 | 504.6 | 556.9 |
| 120°   | 157.8 | 165.5  | 173.2 | 194.1 | 222.6 | 265.0 | 321.0 | 382.1 | 439.8 | 490.9 | 534.9 |
| 122.5° | 169.3 | 176.8  | 184.2 | 205.0 | 231.4 | 269.9 | 320.5 | 377.7 | 433.2 | 482.1 | 521.1 |
| 125°   | 179.8 | 187.4  | 195.1 | 214.9 | 240.2 | 274.9 | 319.9 | 372.7 | 425.5 | 472.8 | 510.7 |
| 127.5° | 189.7 | 197.4  | 205.0 | 224.3 | 247.9 | 278.7 | 318.8 | 366.1 | 416.7 | 462.3 | 500.2 |
| 130°   | 199.0 | 207.0  | 214.9 | 233.6 | 255.1 | 283.1 | 318.3 | 360.1 | 405.7 | 449.1 | 486.5 |
| 132.5° | 207.8 | 215.2  | 222.6 | 241.3 | 262.2 | 287.0 | 317.7 | 354.6 | 394.1 | 434.3 | 470.6 |
| 135°   | 216.0 | 223.2  | 230.3 | 248.5 | 268.3 | 290.8 | 317.2 | 349.1 | 383.7 | 419.4 | 453.0 |
| 137.5° | 223.2 | 230.0  | 236.9 | 254.0 | 272.7 | 293.0 | 317.2 | 344.1 | 373.8 | 405.1 | 434.3 |
| 140°   | 229.8 | 236.4  | 243.0 | 259.5 | 277.1 | 295.7 | 316.6 | 340.3 | 365.6 | 391.4 | 416.1 |
| 142.5° | 235.8 | 242.2  | 248.5 | 264.4 | 280.4 | 297.9 | 316.6 | 337.0 | 357.9 | 379.9 | 400.2 |
| 145°   | 241.3 | 247.4  | 253.4 | 267.7 | 282.6 | 298.5 | 315.5 | 333.1 | 350.7 | 369.4 | 385.9 |
| 147.5° | 246.8 | 252.3  | 257.8 | 271.6 | 284.8 | 299.0 | 313.9 | 329.8 | 344.7 | 360.1 | 373.8 |
| 150°   | 251.8 | 257.0  | 262.2 | 274.3 | 286.4 | 299.0 | 312.2 | 326.0 | 339.2 | 351.8 | 362.8 |
| 152.5° | 256.7 | 261.4  | 266.1 | 276.5 | 287.5 | 297.9 | 309.5 | 321.6 | 333.1 | 343.6 | 353.5 |
| 155°   | 261.1 | 265.2  | 269.4 | 278.7 | 288.1 | 296.8 | 306.7 | 317.2 | 327.1 | 335.9 | 344.1 |
| 157.5° | 265.5 | 268.8  | 272.1 | 280.4 | 288.1 | 295.7 | 304.0 | 312.8 | 320.5 | 328.2 | 335.3 |
| 160°   | 268.8 | 271.8  | 274.9 | 281.5 | 288.1 | 294.1 | 300.7 | 307.8 | 314.4 | 320.5 | 326.5 |
| 162.5° | 272.1 | 274.3  | 276.5 | 282.6 | 288.1 | 292.4 | 297.4 | 303.4 | 308.4 | 313.3 | 317.7 |
| 165°   | 274.3 | 276.0  | 277.6 | 282.6 | 287.0 | 290.3 | 294.1 | 298.5 | 302.9 | 306.2 | 310.0 |
| 167.5° | 276.0 | 277.4  | 278.7 | 282.6 | 285.9 | 288.1 | 290.8 | 294.1 | 297.4 | 300.1 | 303.4 |
| 170°   | 277.6 | 278.5  | 279.3 | 282.0 | 284.8 | 285.9 | 287.5 | 289.7 | 292.4 | 294.1 | 296.3 |
| 172.5° | 278.7 | 279.2  | 279.8 | 281.5 | 283.7 | 283.7 | 284.2 | 285.9 | 288.1 | 289.2 | 290.3 |
| 175°   | 279.8 | 279.8  | 279.8 | 280.9 | 282.6 | 282.0 | 282.0 | 283.1 | 284.2 | 284.8 | 285.9 |
| 177.5° | 279.8 | 279.8  | 279.8 | 280.4 | 281.5 | 280.4 | 280.4 | 280.9 | 281.5 | 282.0 | 282.0 |
| 180°   | 279.8 | 279.8  | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 |



TEST NUMBER: P1001630

CATALOG NUMBER: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0°     | 899.5  | 899.5 | 899.5 | 899.5 | 899.5 | 899.5 | 899.5 | 899.5 | 899.5 | 899.5 | 899.5  |
| 2.5°   | 848.8  | 848.0 | 844.3 | 845.8 | 841.3 | 842.8 | 845.1 | 845.8 | 848.8 | 846.6 | 845.8  |
| 5°     | 796.6  | 795.1 | 792.9 | 790.7 | 789.9 | 792.9 | 787.7 | 789.2 | 790.7 | 792.9 | 795.9  |
| 7.5°   | 754.1  | 753.4 | 751.2 | 747.4 | 745.9 | 744.5 | 745.2 | 750.4 | 749.7 | 748.9 | 754.1  |
| 10°    | 715.4  | 716.1 | 711.7 | 710.9 | 706.5 | 705.7 | 706.5 | 707.9 | 710.2 | 713.2 | 713.9  |
| 12.5°  | 675.2  | 684.8 | 676.6 | 673.7 | 667.0 | 670.7 | 672.2 | 665.5 | 669.2 | 671.4 | 682.6  |
| 15°    | 649.8  | 645.3 | 640.1 | 640.1 | 637.1 | 635.7 | 631.9 | 637.1 | 640.1 | 644.6 | 643.1  |
| 17.5°  | 614.8  | 607.3 | 604.4 | 601.4 | 602.1 | 605.1 | 596.9 | 608.8 | 608.8 | 611.1 | 607.3  |
| 20°    | 584.2  | 578.3 | 574.6 | 573.1 | 570.8 | 569.3 | 568.6 | 571.6 | 576.0 | 577.5 | 581.3  |
| 22.5°  | 552.2  | 552.2 | 546.2 | 544.0 | 542.5 | 540.3 | 544.0 | 541.8 | 544.7 | 547.7 | 553.7  |
| 25°    | 525.4  | 525.4 | 523.1 | 520.2 | 517.9 | 516.4 | 518.7 | 517.9 | 520.2 | 523.9 | 525.4  |
| 27.5°  | 503.8  | 501.5 | 500.8 | 500.0 | 499.3 | 500.0 | 499.3 | 501.5 | 503.8 | 504.5 | 503.0  |
| 30°    | 485.1  | 482.9 | 483.6 | 483.6 | 484.4 | 483.6 | 482.9 | 485.1 | 485.9 | 484.4 | 485.1  |
| 32.5°  | 468.0  | 468.0 | 469.5 | 470.2 | 470.2 | 471.0 | 471.7 | 470.2 | 471.0 | 468.7 | 469.5  |
| 35°    | 453.8  | 455.3 | 456.8 | 457.6 | 458.3 | 457.6 | 459.0 | 458.3 | 456.8 | 455.3 | 454.6  |
| 37.5°  | 439.7  | 441.2 | 444.1 | 444.9 | 447.1 | 447.9 | 446.4 | 446.4 | 445.6 | 442.7 | 441.2  |
| 40°    | 424.8  | 426.3 | 430.0 | 432.2 | 433.7 | 435.9 | 434.5 | 434.5 | 431.5 | 428.5 | 426.3  |
| 42.5°  | 410.6  | 413.6 | 417.3 | 419.6 | 422.5 | 422.5 | 422.5 | 421.0 | 417.3 | 414.3 | 412.1  |
| 45°    | 396.4  | 397.2 | 402.4 | 406.1 | 409.1 | 409.1 | 409.1 | 406.9 | 404.6 | 398.7 | 395.7  |
| 47.5°  | 380.8  | 383.0 | 389.0 | 392.7 | 395.7 | 396.4 | 396.4 | 394.2 | 389.7 | 384.5 | 380.8  |
| 50°    | 363.7  | 367.4 | 374.1 | 379.3 | 383.0 | 384.5 | 382.3 | 380.8 | 375.6 | 369.6 | 365.2  |
| 52.5°  | 347.3  | 351.7 | 359.9 | 364.4 | 369.6 | 370.4 | 369.6 | 367.4 | 361.4 | 353.2 | 349.5  |
| 55°    | 330.9  | 334.6 | 343.5 | 351.0 | 355.5 | 357.0 | 355.5 | 351.7 | 344.3 | 336.1 | 332.4  |
| 57.5°  | 313.0  | 318.2 | 327.9 | 335.3 | 340.6 | 341.3 | 339.8 | 336.1 | 330.1 | 319.7 | 314.5  |
| 60°    | 294.4  | 301.1 | 310.8 | 318.2 | 324.9 | 325.7 | 324.2 | 318.9 | 311.5 | 301.1 | 296.6  |
| 62.5°  | 275.7  | 280.9 | 292.1 | 300.3 | 305.5 | 309.3 | 306.3 | 301.1 | 293.6 | 283.2 | 276.5  |
| 65°    | 254.1  | 261.6 | 271.3 | 278.7 | 284.7 | 285.4 | 283.9 | 279.5 | 271.3 | 260.1 | 254.9  |
| 67.5°  | 233.2  | 238.5 | 248.2 | 257.8 | 260.1 | 262.3 | 260.1 | 255.6 | 248.9 | 239.2 | 231.8  |
| 70°    | 207.9  | 212.4 | 224.3 | 231.0 | 234.0 | 236.2 | 234.7 | 230.3 | 224.3 | 215.4 | 209.4  |
| 72.5°  | 182.6  | 186.3 | 197.5 | 202.7 | 208.7 | 207.9 | 207.2 | 204.2 | 196.0 | 190.0 | 186.3  |
| 75°    | 155.7  | 160.2 | 167.7 | 174.4 | 176.6 | 176.6 | 176.6 | 174.4 | 169.2 | 159.5 | 155.7  |
| 77.5°  | 131.2  | 133.4 | 139.4 | 143.1 | 145.3 | 146.1 | 145.3 | 141.6 | 138.6 | 131.9 | 129.7  |
| 80°    | 100.6  | 106.6 | 111.0 | 111.8 | 114.8 | 114.8 | 114.8 | 113.3 | 110.3 | 103.6 | 102.8  |
| 82.5°  | 76.0   | 77.5  | 82.0  | 84.2  | 85.7  | 85.0  | 85.0  | 82.0  | 81.2  | 77.5  | 76.0   |
| 85°    | 51.4   | 53.7  | 52.9  | 55.9  | 56.6  | 55.1  | 55.1  | 56.6  | 52.9  | 53.7  | 51.4   |
| 87.5°  | 28.3   | 28.3  | 29.8  | 29.1  | 32.0  | 32.0  | 30.6  | 31.3  | 29.8  | 29.1  | 28.3   |
| 90°    | 11.0   | 11.0  | 11.5  | 12.1  | 11.5  | 11.5  | 11.5  | 12.1  | 11.5  | 11.0  | 11.0   |
| 92.5°  | 71.2   | 64.3  | 56.1  | 52.2  | 50.0  | 50.0  | 50.0  | 52.2  | 56.1  | 64.3  | 71.2   |
| 95°    | 221.8  | 195.1 | 168.2 | 151.2 | 141.3 | 134.1 | 141.3 | 151.2 | 168.2 | 195.1 | 221.8  |
| 97.5°  | 453.0  | 422.2 | 384.8 | 351.8 | 335.3 | 322.1 | 335.3 | 351.8 | 384.8 | 422.2 | 453.0  |
| 100°   | 626.6  | 606.3 | 558.5 | 525.0 | 508.5 | 504.1 | 508.5 | 525.0 | 558.5 | 606.3 | 626.6  |
| 102.5° | 735.5  | 730.0 | 705.3 | 683.3 | 665.7 | 662.4 | 665.7 | 683.3 | 705.3 | 730.0 | 735.5  |
| 105°   | 776.4  | 787.7 | 788.8 | 784.4 | 776.8 | 773.5 | 776.8 | 784.4 | 788.8 | 787.7 | 776.4  |
| 107.5° | 764.1  | 787.2 | 811.4 | 821.3 | 825.7 | 826.2 | 825.7 | 821.3 | 811.4 | 787.2 | 764.1  |
| 110°   | 720.2  | 750.4 | 789.4 | 812.5 | 822.4 | 827.3 | 822.4 | 812.5 | 789.4 | 750.4 | 720.2  |



TEST NUMBER: P1001630

CATALOG NUMBER: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 666.2  | 696.5 | 742.1 | 771.3 | 786.1 | 794.9 | 786.1 | 771.3 | 742.1 | 696.5 | 666.2  |
| 115°   | 617.9  | 644.3 | 687.7 | 720.7 | 738.3 | 742.7 | 738.3 | 720.7 | 687.7 | 644.3 | 617.9  |
| 117.5° | 580.0  | 603.0 | 641.5 | 670.1 | 688.8 | 691.5 | 688.8 | 670.1 | 641.5 | 603.0 | 580.0  |
| 120°   | 554.4  | 573.9 | 605.2 | 629.4 | 643.7 | 649.8 | 643.7 | 629.4 | 605.2 | 573.9 | 554.4  |
| 122.5° | 537.6  | 554.1 | 579.4 | 599.2 | 610.7 | 616.8 | 610.7 | 599.2 | 579.4 | 554.1 | 537.6  |
| 125°   | 525.8  | 540.9 | 562.9 | 578.9 | 589.3 | 592.6 | 589.3 | 578.9 | 562.9 | 540.9 | 525.8  |
| 127.5° | 514.5  | 528.8 | 550.8 | 565.1 | 573.9 | 577.2 | 573.9 | 565.1 | 550.8 | 528.8 | 514.5  |
| 130°   | 501.0  | 515.6 | 538.2 | 551.9 | 560.7 | 564.0 | 560.7 | 551.9 | 538.2 | 515.6 | 501.0  |
| 132.5° | 485.2  | 499.7 | 521.7 | 537.6 | 545.9 | 549.2 | 545.9 | 537.6 | 521.7 | 499.7 | 485.2  |
| 135°   | 466.8  | 480.5 | 502.4 | 517.8 | 526.6 | 529.9 | 526.6 | 517.8 | 502.4 | 480.5 | 466.8  |
| 137.5° | 447.0  | 459.6 | 480.5 | 496.4 | 503.5 | 507.4 | 503.5 | 496.4 | 480.5 | 459.6 | 447.0  |
| 140°   | 427.6  | 439.2 | 458.5 | 470.6 | 478.3 | 482.7 | 478.3 | 470.6 | 458.5 | 439.2 | 427.6  |
| 142.5° | 409.8  | 419.4 | 435.9 | 446.9 | 453.5 | 456.3 | 453.5 | 446.9 | 435.9 | 419.4 | 409.8  |
| 145°   | 393.6  | 401.3 | 415.0 | 424.4 | 429.9 | 432.6 | 429.9 | 424.4 | 415.0 | 401.3 | 393.6  |
| 147.5° | 380.2  | 386.5 | 396.9 | 405.1 | 409.5 | 410.6 | 409.5 | 405.1 | 396.9 | 386.5 | 380.2  |
| 150°   | 367.8  | 372.7 | 381.5 | 388.7 | 391.9 | 392.5 | 391.9 | 388.7 | 381.5 | 372.7 | 367.8  |
| 152.5° | 357.4  | 361.2 | 368.3 | 373.8 | 375.5 | 376.0 | 375.5 | 373.8 | 368.3 | 361.2 | 357.4  |
| 155°   | 347.4  | 350.7 | 356.2 | 360.6 | 362.3 | 362.3 | 362.3 | 360.6 | 356.2 | 350.7 | 347.4  |
| 157.5° | 338.0  | 340.8 | 345.2 | 348.5 | 349.6 | 349.6 | 349.6 | 348.5 | 345.2 | 340.8 | 338.0  |
| 160°   | 328.7  | 330.9 | 334.2 | 337.5 | 338.1 | 338.1 | 338.1 | 337.5 | 334.2 | 330.9 | 328.7  |
| 162.5° | 319.6  | 321.6 | 323.8 | 327.1 | 327.6 | 327.1 | 327.6 | 327.1 | 323.8 | 321.6 | 319.6  |
| 165°   | 311.4  | 312.8 | 315.0 | 317.2 | 316.6 | 316.1 | 316.6 | 317.2 | 315.0 | 312.8 | 311.4  |
| 167.5° | 304.2  | 305.1 | 306.2 | 307.8 | 307.8 | 307.3 | 307.8 | 307.8 | 306.2 | 305.1 | 304.2  |
| 170°   | 297.1  | 297.9 | 299.0 | 299.6 | 299.0 | 299.0 | 299.0 | 299.6 | 299.0 | 297.9 | 297.1  |
| 172.5° | 290.8  | 291.4 | 291.9 | 292.4 | 291.9 | 290.8 | 291.9 | 292.4 | 291.9 | 291.4 | 290.8  |
| 175°   | 285.9  | 285.9 | 285.9 | 287.0 | 285.9 | 284.8 | 285.9 | 287.0 | 285.9 | 285.9 | 285.9  |
| 177.5° | 282.3  | 282.6 | 282.0 | 282.6 | 281.5 | 280.4 | 281.5 | 282.6 | 282.0 | 282.6 | 282.3  |
| 180°   | 279.8  | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8  |

TEST NUMBER: P1001630

CATALOG NUMBER: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 0°     | 899.5 | 899.5 | 899.5 | 899.5 | 899.5 | 899.5 | 899.5 | 899.5 | 899.5 | 899.5  | 899.5 |
| 2.5°   | 845.8 | 850.3 | 845.8 | 848.8 | 850.3 | 854.0 | 855.5 | 862.2 | 864.4 | 869.7  | 869.7 |
| 5°     | 795.1 | 797.4 | 798.1 | 801.1 | 804.1 | 811.5 | 816.7 | 826.4 | 837.6 | 839.1  | 845.8 |
| 7.5°   | 754.1 | 757.9 | 763.8 | 761.6 | 766.8 | 778.0 | 784.7 | 796.6 | 807.8 | 813.8  | 822.0 |
| 10°    | 717.6 | 722.1 | 724.3 | 726.6 | 736.3 | 745.9 | 756.4 | 764.6 | 779.5 | 788.4  | 795.1 |
| 12.5°  | 687.8 | 684.1 | 688.6 | 696.8 | 707.9 | 713.9 | 728.1 | 740.7 | 751.9 | 761.6  | 767.6 |
| 15°    | 649.1 | 652.1 | 656.5 | 670.7 | 673.7 | 688.6 | 693.8 | 707.9 | 728.8 | 737.8  | 745.2 |
| 17.5°  | 611.8 | 621.5 | 630.4 | 635.7 | 644.6 | 656.5 | 671.4 | 687.1 | 700.5 | 710.9  | 719.9 |
| 20°    | 582.0 | 591.7 | 596.9 | 600.6 | 609.6 | 626.0 | 640.1 | 659.5 | 676.6 | 684.8  | 696.8 |
| 22.5°  | 558.2 | 558.2 | 565.6 | 576.8 | 582.0 | 597.7 | 609.6 | 630.4 | 649.1 | 659.5  | 670.7 |
| 25°    | 528.3 | 532.8 | 538.8 | 548.5 | 555.9 | 568.6 | 585.7 | 603.6 | 623.7 | 632.7  | 646.8 |
| 27.5°  | 503.8 | 509.0 | 517.2 | 519.4 | 526.9 | 538.0 | 555.9 | 575.3 | 596.2 | 605.9  | 617.8 |
| 30°    | 485.1 | 488.1 | 491.1 | 495.6 | 502.3 | 512.0 | 526.9 | 544.0 | 569.3 | 576.8  | 591.7 |
| 32.5°  | 468.7 | 470.2 | 471.7 | 475.4 | 479.2 | 488.9 | 500.8 | 519.4 | 540.3 | 551.5  | 564.9 |
| 35°    | 453.8 | 452.3 | 453.1 | 455.3 | 459.0 | 462.8 | 475.4 | 491.1 | 510.5 | 523.9  | 534.3 |
| 37.5°  | 439.7 | 436.7 | 435.9 | 435.9 | 437.4 | 441.9 | 451.6 | 465.0 | 485.9 | 497.1  | 507.5 |
| 40°    | 424.0 | 421.0 | 419.6 | 418.8 | 418.1 | 421.0 | 428.5 | 441.9 | 458.3 | 468.7  | 480.7 |
| 42.5°  | 409.1 | 406.1 | 402.4 | 401.7 | 400.2 | 401.7 | 406.9 | 419.6 | 433.7 | 444.1  | 453.8 |
| 45°    | 394.2 | 389.0 | 384.5 | 381.5 | 382.3 | 380.1 | 383.8 | 393.5 | 409.9 | 416.6  | 426.3 |
| 47.5°  | 377.8 | 371.9 | 365.9 | 362.9 | 359.9 | 361.4 | 362.9 | 371.1 | 385.3 | 392.0  | 401.7 |
| 50°    | 362.2 | 354.0 | 347.3 | 343.5 | 341.3 | 339.8 | 341.3 | 349.5 | 359.9 | 365.9  | 374.1 |
| 52.5°  | 344.3 | 336.1 | 329.4 | 323.4 | 320.4 | 318.2 | 318.9 | 326.4 | 336.1 | 342.0  | 350.2 |
| 55°    | 327.9 | 317.5 | 308.5 | 301.1 | 298.8 | 298.1 | 297.3 | 302.6 | 310.8 | 316.7  | 323.4 |
| 57.5°  | 309.3 | 298.8 | 289.1 | 280.2 | 275.7 | 275.0 | 275.0 | 276.5 | 286.9 | 291.4  | 295.1 |
| 60°    | 290.6 | 279.5 | 269.0 | 260.8 | 254.1 | 251.9 | 251.1 | 254.1 | 259.3 | 263.8  | 269.0 |
| 62.5°  | 269.8 | 258.6 | 245.9 | 238.5 | 231.8 | 225.8 | 228.0 | 228.8 | 236.2 | 238.5  | 242.9 |
| 65°    | 249.6 | 237.0 | 226.5 | 214.6 | 207.2 | 203.4 | 202.0 | 203.4 | 209.4 | 210.1  | 213.1 |
| 67.5°  | 226.5 | 214.6 | 202.0 | 193.8 | 187.0 | 180.3 | 178.8 | 178.8 | 181.8 | 184.1  | 187.8 |
| 70°    | 204.2 | 192.3 | 178.1 | 169.2 | 162.5 | 156.5 | 154.3 | 153.5 | 155.7 | 157.2  | 161.0 |
| 72.5°  | 178.1 | 166.2 | 155.7 | 146.1 | 137.9 | 133.4 | 131.2 | 129.7 | 131.9 | 133.4  | 134.1 |
| 75°    | 150.5 | 140.8 | 130.4 | 120.7 | 115.5 | 111.0 | 108.1 | 105.8 | 107.3 | 107.3  | 107.3 |
| 77.5°  | 124.4 | 114.8 | 106.6 | 99.9  | 93.2  | 87.9  | 85.7  | 83.5  | 84.2  | 84.2   | 85.7  |
| 80°    | 96.9  | 90.2  | 83.5  | 77.5  | 71.5  | 67.1  | 65.6  | 63.3  | 61.9  | 61.1   | 61.1  |
| 82.5°  | 71.5  | 66.3  | 60.4  | 55.1  | 52.2  | 47.7  | 46.2  | 43.2  | 43.2  | 42.5   | 42.5  |
| 85°    | 47.7  | 44.7  | 38.8  | 35.0  | 32.8  | 30.6  | 29.1  | 27.6  | 25.3  | 25.3   | 24.6  |
| 87.5°  | 25.3  | 23.8  | 22.4  | 17.9  | 17.9  | 15.6  | 14.9  | 14.2  | 11.9  | 12.7   | 12.7  |
| 90°    | 11.0  | 10.4  | 9.9   | 9.3   | 9.9   | 8.8   | 7.7   | 7.7   | 4.4   | 4.4    | 4.4   |
| 92.5°  | 78.1  | 98.9  | 132.5 | 179.2 | 215.5 | 188.6 | 136.9 | 83.6  | 49.5  | 42.4   | 35.2  |
| 95°    | 248.5 | 322.1 | 407.3 | 460.7 | 448.0 | 338.1 | 206.7 | 116.5 | 68.7  | 57.2   | 45.6  |
| 97.5°  | 483.8 | 544.2 | 586.5 | 577.8 | 479.4 | 323.8 | 188.6 | 111.0 | 73.1  | 63.2   | 53.3  |
| 100°   | 647.0 | 674.0 | 663.0 | 582.7 | 442.0 | 287.0 | 174.8 | 112.7 | 80.3  | 71.5   | 62.7  |
| 102.5° | 741.0 | 724.5 | 659.1 | 541.5 | 395.2 | 262.2 | 171.0 | 118.2 | 89.6  | 81.4   | 73.1  |
| 105°   | 765.2 | 710.8 | 615.7 | 489.8 | 360.6 | 250.1 | 173.2 | 127.5 | 101.1 | 93.2   | 85.2  |
| 107.5° | 741.0 | 665.2 | 562.4 | 447.5 | 338.1 | 246.8 | 179.8 | 137.4 | 113.2 | 105.2  | 97.3  |
| 110°   | 689.9 | 610.2 | 515.1 | 417.2 | 327.6 | 247.9 | 187.5 | 149.0 | 124.8 | 117.4  | 109.9 |

TEST NUMBER: P1001630

CATALOG NUMBER: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 636.0 | 561.8 | 480.5 | 400.2 | 322.7 | 251.2 | 195.7 | 160.0 | 136.9 | 129.4  | 122.0 |
| 115°   | 591.5 | 527.2 | 459.6 | 390.8 | 321.6 | 255.6 | 204.5 | 171.5 | 149.5 | 142.1  | 134.7 |
| 117.5° | 556.9 | 504.6 | 447.5 | 385.9 | 321.0 | 260.0 | 213.3 | 182.5 | 161.6 | 153.9  | 146.2 |
| 120°   | 534.9 | 490.9 | 439.8 | 382.1 | 321.0 | 265.0 | 222.6 | 194.1 | 173.2 | 165.5  | 157.8 |
| 122.5° | 521.1 | 482.1 | 433.2 | 377.7 | 320.5 | 269.9 | 231.4 | 205.0 | 184.2 | 176.8  | 169.3 |
| 125°   | 510.7 | 472.8 | 425.5 | 372.7 | 319.9 | 274.9 | 240.2 | 214.9 | 195.1 | 187.4  | 179.8 |
| 127.5° | 500.2 | 462.3 | 416.7 | 366.1 | 318.8 | 278.7 | 247.9 | 224.3 | 205.0 | 197.4  | 189.7 |
| 130°   | 486.5 | 449.1 | 405.7 | 360.1 | 318.3 | 283.1 | 255.1 | 233.6 | 214.9 | 207.0  | 199.0 |
| 132.5° | 470.6 | 434.3 | 394.1 | 354.6 | 317.7 | 287.0 | 262.2 | 241.3 | 222.6 | 215.2  | 207.8 |
| 135°   | 453.0 | 419.4 | 383.7 | 349.1 | 317.2 | 290.8 | 268.3 | 248.5 | 230.3 | 223.2  | 216.0 |
| 137.5° | 434.3 | 405.1 | 373.8 | 344.1 | 317.2 | 293.0 | 272.7 | 254.0 | 236.9 | 230.0  | 223.2 |
| 140°   | 416.1 | 391.4 | 365.6 | 340.3 | 316.6 | 295.7 | 277.1 | 259.5 | 243.0 | 236.4  | 229.8 |
| 142.5° | 400.2 | 379.9 | 357.9 | 337.0 | 316.6 | 297.9 | 280.4 | 264.4 | 248.5 | 242.2  | 235.8 |
| 145°   | 385.9 | 369.4 | 350.7 | 333.1 | 315.5 | 298.5 | 282.6 | 267.7 | 253.4 | 247.4  | 241.3 |
| 147.5° | 373.8 | 360.1 | 344.7 | 329.8 | 313.9 | 299.0 | 284.8 | 271.6 | 257.8 | 252.3  | 246.8 |
| 150°   | 362.8 | 351.8 | 339.2 | 326.0 | 312.2 | 299.0 | 286.4 | 274.3 | 262.2 | 257.0  | 251.8 |
| 152.5° | 353.5 | 343.6 | 333.1 | 321.6 | 309.5 | 297.9 | 287.5 | 276.5 | 266.1 | 261.4  | 256.7 |
| 155°   | 344.1 | 335.9 | 327.1 | 317.2 | 306.7 | 296.8 | 288.1 | 278.7 | 269.4 | 265.2  | 261.1 |
| 157.5° | 335.3 | 328.2 | 320.5 | 312.8 | 304.0 | 295.7 | 288.1 | 280.4 | 272.1 | 268.8  | 265.5 |
| 160°   | 326.5 | 320.5 | 314.4 | 307.8 | 300.7 | 294.1 | 288.1 | 281.5 | 274.9 | 271.8  | 268.8 |
| 162.5° | 317.7 | 313.3 | 308.4 | 303.4 | 297.4 | 292.4 | 288.1 | 282.6 | 276.5 | 274.3  | 272.1 |
| 165°   | 310.0 | 306.2 | 302.9 | 298.5 | 294.1 | 290.3 | 287.0 | 282.6 | 277.6 | 276.0  | 274.3 |
| 167.5° | 303.4 | 300.1 | 297.4 | 294.1 | 290.8 | 288.1 | 285.9 | 282.6 | 278.7 | 277.4  | 276.0 |
| 170°   | 296.3 | 294.1 | 292.4 | 289.7 | 287.5 | 285.9 | 284.8 | 282.0 | 279.3 | 278.5  | 277.6 |
| 172.5° | 290.3 | 289.2 | 288.1 | 285.9 | 284.2 | 283.7 | 283.7 | 281.5 | 279.8 | 279.2  | 278.7 |
| 175°   | 285.9 | 284.8 | 284.2 | 283.1 | 282.0 | 282.0 | 282.6 | 280.9 | 279.8 | 279.8  | 279.8 |
| 177.5° | 282.0 | 282.0 | 281.5 | 280.9 | 280.4 | 280.4 | 281.5 | 280.4 | 279.8 | 279.8  | 279.8 |
| 180°   | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8 | 279.8  | 279.8 |

TEST NUMBER: P1001630

CATALOG NUMBER: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 0°     | 899.5 | 899.5 | 899.5 | 899.5 |
| 2.5°   | 874.9 | 882.3 | 889.0 | 899.5 |
| 5°     | 855.5 | 865.9 | 880.1 | 895.7 |
| 7.5°   | 833.1 | 849.5 | 868.2 | 889.8 |
| 10°    | 812.3 | 830.9 | 854.7 | 880.8 |
| 12.5°  | 790.7 | 813.0 | 839.1 | 867.4 |
| 15°    | 766.1 | 788.4 | 817.5 | 855.5 |
| 17.5°  | 743.7 | 770.5 | 801.8 | 842.1 |
| 20°    | 717.6 | 743.0 | 777.2 | 823.5 |
| 22.5°  | 694.5 | 723.6 | 761.6 | 801.8 |
| 25°    | 669.2 | 694.5 | 732.5 | 781.0 |
| 27.5°  | 643.9 | 675.2 | 711.7 | 758.6 |
| 30°    | 619.3 | 645.3 | 684.8 | 734.0 |
| 32.5°  | 592.4 | 623.7 | 660.3 | 706.5 |
| 35°    | 563.4 | 593.2 | 627.5 | 677.4 |
| 37.5°  | 537.3 | 566.4 | 601.4 | 645.3 |
| 40°    | 508.2 | 538.8 | 570.8 | 614.8 |
| 42.5°  | 479.9 | 507.5 | 539.5 | 579.8 |
| 45°    | 452.3 | 476.2 | 505.2 | 540.3 |
| 47.5°  | 424.0 | 444.1 | 471.0 | 502.3 |
| 50°    | 393.5 | 415.1 | 435.2 | 461.3 |
| 52.5°  | 365.2 | 383.8 | 400.2 | 421.8 |
| 55°    | 337.6 | 350.2 | 363.7 | 380.1 |
| 57.5°  | 308.5 | 318.2 | 327.9 | 345.0 |
| 60°    | 279.5 | 288.4 | 293.6 | 304.8 |
| 62.5°  | 251.1 | 254.9 | 261.6 | 268.3 |
| 65°    | 219.8 | 225.1 | 228.8 | 237.0 |
| 67.5°  | 191.5 | 193.8 | 197.5 | 202.7 |
| 70°    | 161.7 | 166.9 | 168.4 | 172.1 |
| 72.5°  | 136.4 | 138.6 | 140.1 | 140.8 |
| 75°    | 108.1 | 110.3 | 111.8 | 116.3 |
| 77.5°  | 85.0  | 84.2  | 87.2  | 87.9  |
| 80°    | 62.6  | 60.4  | 61.1  | 64.1  |
| 82.5°  | 41.0  | 41.7  | 41.0  | 41.0  |
| 85°    | 25.3  | 24.6  | 23.1  | 23.8  |
| 87.5°  | 11.2  | 11.2  | 10.4  | 10.4  |
| 90°    | 3.8   | 3.3   | 1.6   | 0.5   |
| 92.5°  | 25.3  | 17.0  | 11.0  | 7.7   |
| 95°    | 32.4  | 25.3  | 19.8  | 18.1  |
| 97.5°  | 41.8  | 35.2  | 30.2  | 30.2  |
| 100°   | 52.2  | 45.6  | 41.8  | 41.8  |
| 102.5° | 63.2  | 57.2  | 53.9  | 52.8  |
| 105°   | 75.3  | 68.7  | 66.0  | 64.3  |
| 107.5° | 88.0  | 80.8  | 78.1  | 77.0  |
| 110°   | 100.0 | 93.5  | 90.7  | 89.6  |



TEST NUMBER: P1001630

CATALOG NUMBER: SA4XXDIP-B575D590UB50-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 112.1 | 106.1 | 102.8 | 101.7 |
| 115°   | 124.2 | 118.7 | 114.9 | 113.2 |
| 117.5° | 136.3 | 130.3 | 127.0 | 125.3 |
| 120°   | 148.4 | 142.4 | 138.5 | 137.4 |
| 122.5° | 158.9 | 153.4 | 149.5 | 148.4 |
| 125°   | 169.3 | 163.3 | 160.0 | 157.8 |
| 127.5° | 178.7 | 172.1 | 168.2 | 166.6 |
| 130°   | 188.6 | 180.3 | 175.9 | 173.7 |
| 132.5° | 196.2 | 188.6 | 182.5 | 180.9 |
| 135°   | 204.5 | 195.1 | 189.7 | 187.5 |
| 137.5° | 211.1 | 202.3 | 196.2 | 194.1 |
| 140°   | 218.2 | 208.9 | 202.8 | 201.2 |
| 142.5° | 224.8 | 216.0 | 210.5 | 208.9 |
| 145°   | 230.9 | 223.2 | 217.7 | 216.0 |
| 147.5° | 238.0 | 229.8 | 224.8 | 224.3 |
| 150°   | 243.5 | 236.9 | 232.5 | 232.0 |
| 152.5° | 249.6 | 243.5 | 239.1 | 239.1 |
| 155°   | 255.1 | 249.6 | 246.3 | 245.7 |
| 157.5° | 260.0 | 255.6 | 252.3 | 252.3 |
| 160°   | 264.4 | 260.6 | 258.4 | 258.4 |
| 162.5° | 268.3 | 265.0 | 263.3 | 263.9 |
| 165°   | 271.6 | 268.8 | 267.7 | 267.7 |
| 167.5° | 274.3 | 272.1 | 271.6 | 272.1 |
| 170°   | 276.5 | 274.9 | 274.3 | 274.9 |
| 172.5° | 278.2 | 277.1 | 277.1 | 277.6 |
| 175°   | 279.3 | 278.7 | 278.7 | 279.3 |
| 177.5° | 279.8 | 279.3 | 279.8 | 280.4 |
| 180°   | 279.8 | 279.8 | 279.8 | 279.8 |

(END OF REPORT)