

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P332871

Luminaire Tested: **SA4XXRDIP-C350D590U835-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332871
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXRDIP-C350D590U835-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 590 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

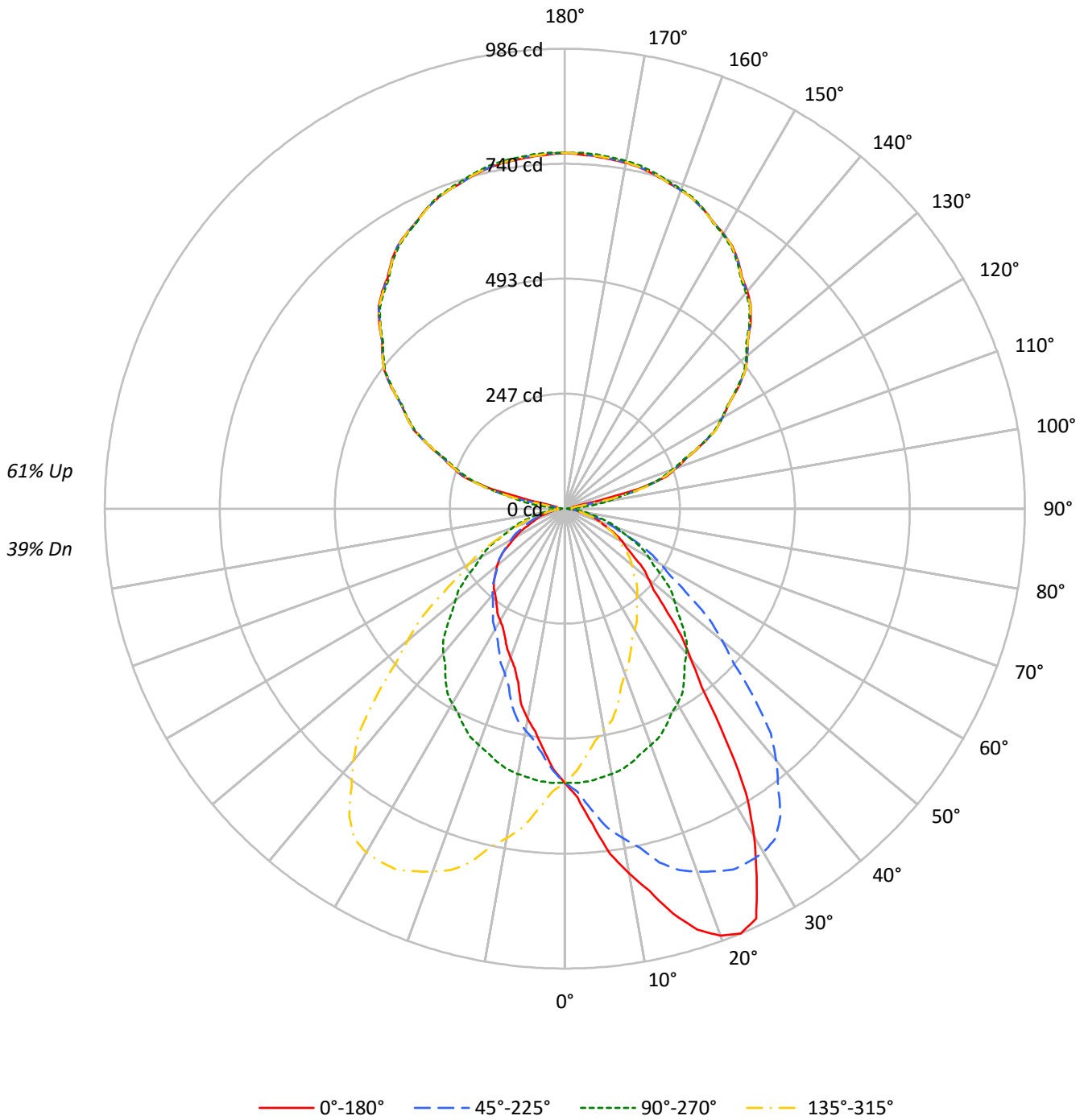
Lumens per Lamp: N/A
Luminaire Lumens: 3846.2 lumens
Efficiency: N/A
Efficacy: 150.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 25.6
Input Voltage (V): 120
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: 25 FT



TEST NUMBER: P332871
CATALOG NUMBER: SA4XXRDIP-C350D590U835-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P332871

CATALOG NUMBER: SA4XXRDIP-C350D590U835-4F0-1E-UDD-A

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| RF | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | 20 | |
| RC | 80 | | | | | 70 | | | | | 50 | | | | | 30 | | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 104 | 104 | 104 | 104 | 95 | 95 | 95 | 95 | 77 | 77 | 77 | 61 | 61 | 61 | 46 | 46 | 46 | 39 | | | | |
| 1 | 96 | 91 | 88 | 84 | 87 | 83 | 80 | 77 | 68 | 66 | 64 | 54 | 52 | 51 | 41 | 40 | 39 | 33 | | | | |
| 2 | 87 | 80 | 74 | 70 | 79 | 73 | 68 | 64 | 60 | 56 | 53 | 48 | 45 | 43 | 36 | 35 | 34 | 28 | | | | |
| 3 | 80 | 71 | 64 | 58 | 72 | 65 | 59 | 54 | 53 | 49 | 45 | 42 | 39 | 37 | 33 | 31 | 29 | 24 | | | | |
| 4 | 73 | 63 | 55 | 49 | 66 | 57 | 51 | 46 | 47 | 43 | 39 | 38 | 35 | 32 | 29 | 27 | 25 | 21 | | | | |
| 5 | 67 | 56 | 48 | 42 | 61 | 51 | 45 | 39 | 42 | 37 | 34 | 34 | 31 | 28 | 27 | 24 | 22 | 19 | | | | |
| 6 | 62 | 50 | 42 | 37 | 56 | 46 | 39 | 34 | 38 | 33 | 29 | 31 | 27 | 24 | 24 | 22 | 20 | 17 | | | | |
| 7 | 57 | 45 | 38 | 32 | 52 | 42 | 35 | 30 | 35 | 30 | 26 | 28 | 24 | 22 | 22 | 19 | 17 | 15 | | | | |
| 8 | 53 | 41 | 34 | 29 | 48 | 38 | 31 | 27 | 32 | 27 | 23 | 26 | 22 | 19 | 20 | 18 | 16 | 13 | | | | |
| 9 | 49 | 38 | 30 | 25 | 45 | 35 | 28 | 24 | 29 | 24 | 21 | 24 | 20 | 17 | 19 | 16 | 14 | 12 | | | | |
| 10 | 46 | 34 | 27 | 23 | 42 | 32 | 26 | 21 | 27 | 22 | 18 | 22 | 18 | 16 | 17 | 15 | 13 | 11 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|------|------|------|------|
| 0° | 4742 | 4742 | 4742 | 4742 |
| 5° | 5501 | 4756 | 4204 | 4756 |
| 10° | 6507 | 4736 | 3752 | 4736 |
| 15° | 7516 | 4692 | 3224 | 4692 |
| 20° | 8369 | 4631 | 2916 | 4631 |
| 25° | 8639 | 4572 | 2707 | 4572 |
| 30° | 7563 | 4501 | 2581 | 4501 |
| 35° | 5887 | 4394 | 2505 | 4394 |
| 40° | 4415 | 4272 | 2464 | 4272 |
| 45° | 3486 | 4077 | 2442 | 4077 |
| 50° | 2943 | 3852 | 2372 | 3852 |
| 55° | 2564 | 3605 | 2245 | 3605 |
| 60° | 2307 | 3347 | 1988 | 3347 |
| 65° | 2034 | 3070 | 1710 | 3070 |
| 70° | 1832 | 2783 | 1541 | 2783 |
| 75° | 1535 | 2464 | 1313 | 2464 |
| 80° | 1297 | 2101 | 1232 | 2101 |
| 85° | 1093 | 1649 | 1093 | 1649 |



TEST NUMBER: P332871

CATALOG NUMBER: SA4XXRDIP-C350D590U835-4F0-1E-UDD-A

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 56.9 | 1.5 |
| 10°-20° | 171.7 | 4.5 |
| 20°-30° | 268.5 | 7.0 |
| 30°-40° | 298.5 | 7.8 |
| 40°-50° | 264.9 | 6.9 |
| 50°-60° | 206.4 | 5.4 |
| 60°-70° | 135.1 | 3.5 |
| 70°-80° | 66.4 | 1.7 |
| 80°-90° | 18.6 | 0.5 |
| 90°-100° | 26.1 | 0.7 |
| 100°-110° | 166.3 | 4.3 |
| 110°-120° | 318.2 | 8.3 |
| 120°-130° | 403.9 | 10.5 |
| 130°-140° | 432.1 | 11.2 |
| 140°-150° | 404.1 | 10.5 |
| 150°-160° | 325.9 | 8.5 |
| 160°-170° | 210.2 | 5.5 |
| 170°-180° | 72.4 | 1.9 |
| 0°-30° | 497.1 | 12.9 |
| 0°-40° | 795.6 | 20.7 |
| 0°-60° | 1266.9 | 32.9 |
| 0°-90° | 1487.0 | 38.7 |
| 90°-120° | 510.6 | 13.3 |
| 90°-150° | 1750.6 | 45.5 |
| 90°-180° | 2359.0 | 61.3 |
| 0°-180° | 3846.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0° | 587 | 587 | 587 | 587 | 587 | |
| 5° | 679 | 587 | 519 | 587 | 679 | 69 |
| 15° | 899 | 561 | 386 | 561 | 899 | 256 |
| 25° | 970 | 513 | 304 | 513 | 970 | 430 |
| 35° | 597 | 446 | 254 | 446 | 597 | 374 |
| 45° | 305 | 357 | 214 | 357 | 305 | 242 |
| 55° | 182 | 256 | 160 | 256 | 182 | 166 |
| 65° | 106 | 161 | 90 | 161 | 106 | 107 |
| 75° | 49 | 79 | 42 | 79 | 49 | 54 |
| 85° | 12 | 18 | 12 | 18 | 12 | 14 |
| 90° | 17 | 2 | 17 | 2 | 17 | 8 |
| 95° | 16 | 31 | 16 | 31 | 16 | 13 |
| 105° | 163 | 172 | 163 | 172 | 163 | 142 |
| 115° | 323 | 321 | 323 | 321 | 323 | 320 |
| 125° | 454 | 451 | 454 | 451 | 454 | 404 |
| 135° | 563 | 559 | 563 | 559 | 563 | 433 |
| 145° | 648 | 645 | 648 | 645 | 648 | 405 |
| 155° | 706 | 707 | 706 | 707 | 706 | 326 |
| 165° | 742 | 746 | 742 | 746 | 742 | 210 |
| 175° | 758 | 763 | 758 | 763 | 758 | 72 |
| 180° | 763 | 763 | 763 | 763 | 763 | |



TEST NUMBER: P332871

CATALOG NUMBER: SA4XXRDIP-C350D590U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 |
| 2.5° | 619.6 | 621.3 | 619.6 | 619.4 | 617.5 | 616.9 | 616.2 | 613.7 | 609.2 | 606.5 | 607.1 |
| 5° | 678.8 | 684.7 | 681.4 | 680.9 | 675.7 | 670.5 | 667.2 | 659.6 | 651.5 | 646.1 | 641.6 |
| 7.5° | 747.2 | 750.6 | 748.5 | 745.2 | 736.8 | 732.0 | 724.3 | 714.4 | 699.9 | 688.9 | 678.8 |
| 10° | 793.8 | 796.6 | 795.7 | 789.5 | 783.4 | 770.8 | 763.7 | 749.8 | 731.5 | 717.1 | 703.6 |
| 12.5° | 839.6 | 842.6 | 834.3 | 834.6 | 822.9 | 813.0 | 801.8 | 784.2 | 763.2 | 744.6 | 727.7 |
| 15° | 899.3 | 895.5 | 895.5 | 890.8 | 877.8 | 864.1 | 852.5 | 834.0 | 807.5 | 785.3 | 761.8 |
| 17.5° | 946.1 | 947.4 | 945.5 | 934.3 | 924.1 | 909.9 | 888.6 | 867.1 | 842.5 | 812.6 | 788.7 |
| 20° | 974.1 | 974.1 | 972.0 | 964.4 | 951.2 | 936.0 | 913.1 | 889.6 | 858.4 | 828.3 | 801.4 |
| 22.5° | 985.5 | 986.2 | 983.7 | 977.5 | 965.6 | 950.8 | 931.2 | 907.4 | 875.2 | 841.4 | 808.0 |
| 25° | 969.9 | 974.4 | 974.8 | 973.2 | 969.6 | 960.6 | 943.8 | 919.5 | 890.6 | 853.9 | 817.9 |
| 27.5° | 890.4 | 896.1 | 901.1 | 909.3 | 920.2 | 925.8 | 926.6 | 914.2 | 889.0 | 853.7 | 817.5 |
| 30° | 811.3 | 816.0 | 831.4 | 851.5 | 867.1 | 881.3 | 893.7 | 897.0 | 882.8 | 851.1 | 813.0 |
| 32.5° | 723.4 | 729.9 | 745.3 | 766.9 | 792.9 | 817.0 | 844.6 | 858.7 | 858.3 | 839.3 | 804.1 |
| 35° | 597.3 | 602.1 | 616.3 | 639.0 | 670.2 | 706.0 | 749.8 | 783.8 | 807.0 | 805.4 | 783.8 |
| 37.5° | 481.8 | 487.1 | 501.4 | 520.3 | 550.6 | 594.8 | 637.2 | 684.2 | 727.0 | 751.1 | 743.9 |
| 40° | 418.9 | 419.1 | 433.1 | 452.5 | 480.9 | 519.5 | 565.6 | 617.7 | 665.5 | 704.6 | 712.1 |
| 42.5° | 369.3 | 369.3 | 378.6 | 399.5 | 419.9 | 456.2 | 500.3 | 552.0 | 608.0 | 653.1 | 673.1 |
| 45° | 305.3 | 307.4 | 315.0 | 327.5 | 343.6 | 374.4 | 409.7 | 457.7 | 520.4 | 573.9 | 607.3 |
| 47.5° | 258.5 | 261.7 | 266.5 | 276.7 | 289.5 | 310.0 | 339.2 | 382.4 | 433.4 | 492.2 | 539.7 |
| 50° | 234.3 | 234.8 | 240.9 | 246.6 | 257.7 | 274.1 | 299.6 | 335.6 | 382.5 | 439.0 | 491.8 |
| 52.5° | 213.5 | 213.4 | 217.1 | 224.3 | 233.3 | 246.0 | 266.7 | 299.4 | 341.0 | 391.7 | 446.2 |
| 55° | 182.2 | 183.4 | 186.3 | 191.9 | 198.8 | 207.8 | 224.1 | 248.7 | 281.4 | 324.7 | 374.2 |
| 57.5° | 158.5 | 159.1 | 161.3 | 163.7 | 170.0 | 176.6 | 188.8 | 205.9 | 233.4 | 268.9 | 315.0 |
| 60° | 142.9 | 143.2 | 143.9 | 147.4 | 152.4 | 158.6 | 166.9 | 181.3 | 204.5 | 236.9 | 273.4 |
| 62.5° | 127.8 | 128.2 | 129.3 | 131.9 | 135.8 | 140.0 | 148.7 | 160.3 | 179.5 | 207.2 | 240.0 |
| 65° | 106.5 | 106.7 | 108.4 | 109.3 | 112.4 | 116.2 | 122.6 | 130.4 | 143.7 | 166.9 | 191.7 |
| 67.5° | 89.0 | 89.0 | 89.1 | 90.4 | 92.5 | 95.0 | 98.8 | 105.1 | 115.1 | 129.3 | 151.2 |
| 70° | 77.6 | 77.6 | 78.1 | 78.8 | 80.0 | 82.1 | 84.3 | 89.0 | 96.3 | 107.9 | 124.7 |
| 72.5° | 67.0 | 67.2 | 67.7 | 67.8 | 68.4 | 70.2 | 71.8 | 74.8 | 80.2 | 89.0 | 102.6 |
| 75° | 49.2 | 49.9 | 51.1 | 52.1 | 53.3 | 53.0 | 54.7 | 56.6 | 58.2 | 63.4 | 71.2 |
| 77.5° | 36.6 | 36.3 | 36.4 | 37.2 | 37.3 | 37.6 | 38.8 | 40.2 | 41.5 | 43.9 | 46.7 |
| 80° | 27.9 | 27.9 | 28.6 | 28.9 | 28.6 | 28.9 | 30.1 | 30.8 | 31.2 | 32.2 | 34.8 |
| 82.5° | 21.1 | 21.5 | 21.3 | 21.5 | 21.6 | 21.9 | 22.9 | 23.0 | 23.5 | 23.9 | 24.9 |
| 85° | 11.8 | 12.1 | 12.3 | 11.8 | 11.8 | 11.8 | 12.3 | 12.5 | 13.0 | 12.8 | 13.3 |
| 87.5° | 7.6 | 7.3 | 7.5 | 7.4 | 7.6 | 7.3 | 7.3 | 7.5 | 7.0 | 7.1 | 6.9 |
| 90° | 17.1 | 16.9 | 16.6 | 16.4 | 16.1 | 15.6 | 14.8 | 14.1 | 13.3 | 12.5 | 11.5 |
| 92.5° | 15.7 | 15.7 | 15.6 | 15.6 | 15.5 | 15.1 | 14.4 | 13.6 | 12.9 | 12.1 | 11.1 |
| 95° | 16.5 | 16.4 | 16.3 | 16.2 | 16.0 | 15.6 | 14.8 | 14.1 | 13.3 | 12.5 | 12.4 |
| 97.5° | 16.0 | 15.8 | 15.7 | 15.6 | 15.5 | 15.4 | 15.3 | 15.2 | 15.1 | 15.1 | 29.2 |
| 100° | 16.0 | 15.8 | 15.7 | 15.6 | 15.5 | 16.5 | 18.6 | 20.8 | 22.9 | 25.1 | 42.6 |
| 102.5° | 16.4 | 16.4 | 16.4 | 16.4 | 16.3 | 27.9 | 51.2 | 74.4 | 97.7 | 120.9 | 123.2 |
| 105° | 162.6 | 167.1 | 171.7 | 176.3 | 180.8 | 182.5 | 181.4 | 180.3 | 179.1 | 178.0 | 177.3 |
| 107.5° | 226.6 | 226.1 | 225.6 | 225.1 | 224.6 | 224.1 | 223.6 | 223.0 | 222.5 | 221.9 | 221.0 |
| 110° | 254.4 | 254.0 | 253.6 | 253.3 | 252.9 | 252.6 | 252.3 | 252.1 | 251.8 | 251.6 | 250.8 |



TEST NUMBER: P332871

CATALOG NUMBER: SA4XXRDIP-C350D590U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 282.2 | 281.8 | 281.3 | 280.8 | 280.3 | 280.1 | 280.2 | 280.2 | 280.3 | 280.3 | 280.0 |
| 115° | 322.9 | 322.9 | 322.9 | 322.9 | 322.9 | 322.7 | 322.5 | 322.2 | 322.0 | 321.7 | 321.8 |
| 117.5° | 364.2 | 364.2 | 364.3 | 364.3 | 364.4 | 364.4 | 364.5 | 364.5 | 364.6 | 364.6 | 364.3 |
| 120° | 390.2 | 390.4 | 390.7 | 390.9 | 391.2 | 391.2 | 390.9 | 390.7 | 390.4 | 390.2 | 390.3 |
| 122.5° | 415.7 | 416.0 | 416.2 | 416.5 | 416.7 | 416.8 | 416.6 | 416.5 | 416.3 | 416.2 | 416.0 |
| 125° | 454.1 | 453.9 | 453.8 | 453.7 | 453.6 | 453.3 | 452.9 | 452.5 | 452.2 | 451.8 | 452.0 |
| 127.5° | 487.7 | 487.8 | 487.9 | 488.0 | 488.1 | 488.2 | 488.3 | 488.4 | 488.4 | 488.5 | 487.9 |
| 130° | 510.5 | 510.5 | 510.5 | 510.5 | 510.5 | 510.5 | 510.3 | 510.2 | 510.1 | 510.0 | 509.6 |
| 132.5° | 531.5 | 531.6 | 531.7 | 531.8 | 531.9 | 531.9 | 531.8 | 531.7 | 531.5 | 531.4 | 530.9 |
| 135° | 563.0 | 562.8 | 562.5 | 562.2 | 562.0 | 561.7 | 561.5 | 561.2 | 561.0 | 560.7 | 560.2 |
| 137.5° | 589.9 | 590.0 | 590.1 | 590.2 | 590.2 | 590.1 | 589.9 | 589.6 | 589.3 | 589.0 | 588.5 |
| 140° | 608.6 | 608.5 | 608.4 | 608.3 | 608.1 | 607.9 | 607.5 | 607.1 | 606.7 | 606.4 | 606.1 |
| 142.5° | 624.2 | 624.1 | 624.1 | 624.1 | 624.1 | 623.9 | 623.6 | 623.3 | 623.1 | 622.8 | 622.6 |
| 145° | 648.0 | 647.8 | 647.5 | 647.2 | 647.0 | 646.8 | 646.7 | 646.5 | 646.4 | 646.3 | 646.3 |
| 147.5° | 667.7 | 667.6 | 667.5 | 667.4 | 667.2 | 667.1 | 667.0 | 666.9 | 666.8 | 666.7 | 666.8 |
| 150° | 680.5 | 680.4 | 680.3 | 680.1 | 680.0 | 679.9 | 679.9 | 679.9 | 679.9 | 679.9 | 680.1 |
| 152.5° | 691.5 | 691.5 | 691.6 | 691.7 | 691.8 | 691.7 | 691.5 | 691.3 | 691.1 | 690.9 | 691.1 |
| 155° | 706.2 | 706.6 | 706.9 | 707.3 | 707.7 | 707.6 | 707.1 | 706.6 | 706.1 | 705.6 | 706.0 |
| 157.5° | 718.5 | 719.2 | 719.8 | 720.5 | 721.1 | 721.1 | 720.5 | 719.8 | 719.2 | 718.5 | 718.9 |
| 160° | 726.7 | 727.5 | 728.2 | 729.0 | 729.8 | 729.8 | 729.0 | 728.2 | 727.5 | 726.7 | 726.8 |
| 162.5° | 733.1 | 734.0 | 734.8 | 735.7 | 736.6 | 736.6 | 735.8 | 735.1 | 734.3 | 733.6 | 733.7 |
| 165° | 742.1 | 743.3 | 744.4 | 745.5 | 746.7 | 746.8 | 745.7 | 744.7 | 743.7 | 742.7 | 742.7 |
| 167.5° | 748.9 | 750.1 | 751.4 | 752.7 | 753.9 | 754.0 | 752.9 | 751.8 | 750.7 | 749.5 | 749.6 |
| 170° | 753.0 | 754.2 | 755.5 | 756.8 | 758.0 | 758.2 | 757.1 | 756.1 | 755.1 | 754.1 | 754.0 |
| 172.5° | 755.2 | 756.6 | 758.0 | 759.4 | 760.7 | 760.9 | 759.9 | 758.9 | 757.9 | 756.8 | 756.7 |
| 175° | 758.1 | 759.6 | 761.1 | 762.7 | 764.2 | 764.4 | 763.2 | 762.1 | 760.9 | 759.8 | 759.7 |
| 177.5° | 759.9 | 761.1 | 762.4 | 763.6 | 764.8 | 765.0 | 764.2 | 763.4 | 762.6 | 761.7 | 761.5 |
| 180° | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 |



TEST NUMBER: P332871

CATALOG NUMBER: SA4XXRDIP-C350D590U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 |
| 2.5° | 605.2 | 602.6 | 601.2 | 598.2 | 594.6 | 592.7 | 591.0 | 588.5 | 585.3 | 581.9 | 579.5 |
| 5° | 635.9 | 630.2 | 623.1 | 614.6 | 607.1 | 599.7 | 593.3 | 586.9 | 579.6 | 572.0 | 564.5 |
| 7.5° | 667.4 | 656.3 | 644.2 | 630.2 | 616.7 | 604.3 | 592.9 | 582.1 | 569.8 | 558.7 | 548.7 |
| 10° | 689.4 | 674.3 | 657.5 | 639.7 | 622.0 | 606.6 | 591.4 | 577.7 | 562.6 | 549.1 | 537.7 |
| 12.5° | 707.2 | 689.4 | 669.2 | 647.1 | 625.7 | 607.1 | 589.7 | 571.8 | 554.6 | 540.0 | 524.8 |
| 15° | 736.7 | 712.4 | 685.2 | 658.6 | 631.0 | 605.6 | 582.2 | 561.4 | 541.7 | 521.1 | 506.7 |
| 17.5° | 757.1 | 728.1 | 695.0 | 663.2 | 630.5 | 600.6 | 573.6 | 548.8 | 526.1 | 505.1 | 487.9 |
| 20° | 769.2 | 737.2 | 700.5 | 664.3 | 627.6 | 595.7 | 566.6 | 539.1 | 515.7 | 493.0 | 475.2 |
| 22.5° | 776.0 | 740.6 | 700.5 | 662.6 | 624.6 | 590.0 | 558.1 | 529.5 | 504.0 | 481.2 | 461.6 |
| 25° | 778.2 | 740.3 | 699.4 | 655.8 | 614.2 | 577.5 | 544.3 | 513.3 | 484.9 | 462.2 | 441.4 |
| 27.5° | 775.1 | 730.5 | 688.6 | 643.9 | 600.9 | 562.3 | 527.5 | 494.9 | 466.5 | 442.1 | 420.7 |
| 30° | 770.6 | 722.8 | 677.8 | 631.4 | 587.9 | 550.7 | 514.0 | 482.8 | 453.2 | 427.9 | 406.4 |
| 32.5° | 760.7 | 713.3 | 664.9 | 617.4 | 573.3 | 535.0 | 500.2 | 468.8 | 439.8 | 413.9 | 391.0 |
| 35° | 741.2 | 693.2 | 640.7 | 591.9 | 548.6 | 508.8 | 476.2 | 445.9 | 418.2 | 390.5 | 366.4 |
| 37.5° | 715.5 | 666.5 | 614.2 | 560.8 | 517.4 | 479.9 | 450.0 | 421.5 | 394.5 | 369.2 | 342.5 |
| 40° | 691.3 | 646.6 | 592.6 | 539.6 | 495.1 | 458.9 | 431.2 | 405.4 | 378.2 | 353.1 | 326.4 |
| 42.5° | 662.0 | 623.9 | 569.3 | 516.1 | 472.2 | 437.3 | 411.5 | 386.3 | 361.5 | 337.2 | 309.3 |
| 45° | 613.0 | 584.1 | 533.0 | 481.9 | 437.6 | 403.0 | 379.4 | 357.1 | 335.4 | 312.2 | 285.9 |
| 47.5° | 556.8 | 537.3 | 493.2 | 440.8 | 399.9 | 368.8 | 345.9 | 327.7 | 309.3 | 286.1 | 263.1 |
| 50° | 517.8 | 505.3 | 462.7 | 414.9 | 375.8 | 347.2 | 323.8 | 306.7 | 291.3 | 269.1 | 248.5 |
| 52.5° | 476.2 | 469.5 | 433.5 | 387.8 | 350.1 | 322.0 | 302.0 | 286.7 | 271.1 | 252.6 | 233.4 |
| 55° | 412.7 | 416.3 | 385.8 | 346.2 | 310.7 | 287.1 | 268.9 | 256.1 | 242.8 | 227.2 | 212.3 |
| 57.5° | 347.9 | 360.9 | 340.4 | 305.7 | 272.4 | 250.5 | 236.8 | 226.1 | 214.9 | 202.0 | 189.2 |
| 60° | 309.1 | 320.0 | 308.4 | 277.8 | 248.7 | 228.4 | 215.6 | 207.3 | 196.2 | 184.4 | 174.7 |
| 62.5° | 271.2 | 282.9 | 276.0 | 251.3 | 224.3 | 206.8 | 195.5 | 187.8 | 179.5 | 169.2 | 159.1 |
| 65° | 223.7 | 231.2 | 227.9 | 210.9 | 191.7 | 176.8 | 166.4 | 160.7 | 153.1 | 145.6 | 136.6 |
| 67.5° | 171.3 | 185.9 | 184.0 | 174.9 | 158.4 | 146.7 | 139.9 | 134.9 | 128.0 | 122.4 | 116.3 |
| 70° | 140.8 | 154.3 | 154.1 | 146.7 | 137.7 | 126.9 | 122.1 | 117.9 | 111.7 | 106.3 | 101.3 |
| 72.5° | 115.3 | 127.6 | 129.5 | 123.8 | 117.7 | 109.4 | 104.9 | 102.0 | 96.0 | 92.3 | 88.2 |
| 75° | 80.7 | 89.7 | 92.1 | 92.1 | 89.2 | 85.0 | 80.9 | 79.0 | 74.8 | 71.5 | 69.1 |
| 77.5° | 52.9 | 58.6 | 62.3 | 63.1 | 63.6 | 62.1 | 58.8 | 57.5 | 54.2 | 53.1 | 50.8 |
| 80° | 37.4 | 41.2 | 45.4 | 46.9 | 48.0 | 47.6 | 46.2 | 45.2 | 42.1 | 40.9 | 40.0 |
| 82.5° | 25.8 | 27.9 | 31.4 | 34.6 | 34.2 | 35.5 | 34.2 | 33.5 | 31.1 | 30.7 | 29.8 |
| 85° | 13.5 | 13.7 | 14.2 | 16.3 | 17.5 | 18.0 | 18.2 | 17.8 | 17.0 | 17.0 | 15.4 |
| 87.5° | 6.6 | 6.3 | 6.4 | 6.2 | 6.1 | 6.6 | 6.9 | 6.8 | 6.5 | 6.2 | 5.9 |
| 90° | 10.5 | 9.5 | 8.5 | 7.3 | 5.9 | 4.5 | 3.1 | 1.7 | 3.1 | 4.5 | 5.9 |
| 92.5° | 10.1 | 9.1 | 8.0 | 7.5 | 7.4 | 7.3 | 7.3 | 7.2 | 7.3 | 7.3 | 7.4 |
| 95° | 12.3 | 12.2 | 12.0 | 14.1 | 18.4 | 22.8 | 27.1 | 31.4 | 27.1 | 22.8 | 18.4 |
| 97.5° | 43.4 | 57.5 | 71.6 | 77.4 | 74.7 | 72.0 | 69.3 | 66.6 | 69.3 | 72.0 | 74.7 |
| 100° | 60.1 | 77.6 | 95.1 | 102.7 | 100.4 | 98.1 | 95.8 | 93.5 | 95.8 | 98.1 | 100.4 |
| 102.5° | 125.5 | 127.8 | 130.1 | 130.4 | 128.7 | 127.0 | 125.3 | 123.7 | 125.3 | 127.0 | 128.7 |
| 105° | 176.7 | 176.1 | 175.4 | 174.7 | 174.0 | 173.2 | 172.5 | 171.7 | 172.5 | 173.2 | 174.0 |
| 107.5° | 220.2 | 219.3 | 218.4 | 217.8 | 217.4 | 217.1 | 216.7 | 216.3 | 216.7 | 217.1 | 217.4 |
| 110° | 250.0 | 249.3 | 248.5 | 247.9 | 247.6 | 247.2 | 246.8 | 246.4 | 246.8 | 247.2 | 247.6 |



TEST NUMBER: P332871

CATALOG NUMBER: SA4XXRDIP-C350D590U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 279.6 | 279.2 | 278.9 | 278.4 | 277.7 | 277.0 | 276.3 | 275.6 | 276.3 | 277.0 | 277.7 |
| 115° | 322.0 | 322.1 | 322.2 | 322.1 | 321.7 | 321.3 | 321.0 | 320.6 | 321.0 | 321.3 | 321.7 |
| 117.5° | 364.1 | 363.8 | 363.5 | 363.1 | 362.6 | 362.1 | 361.6 | 361.1 | 361.6 | 362.1 | 362.6 |
| 120° | 390.4 | 390.6 | 390.7 | 390.5 | 390.0 | 389.5 | 389.0 | 388.5 | 389.0 | 389.5 | 390.0 |
| 122.5° | 415.8 | 415.7 | 415.5 | 415.2 | 414.9 | 414.6 | 414.3 | 414.0 | 414.3 | 414.6 | 414.9 |
| 125° | 452.3 | 452.5 | 452.8 | 452.7 | 452.2 | 451.7 | 451.1 | 450.6 | 451.1 | 451.7 | 452.2 |
| 127.5° | 487.3 | 486.8 | 486.2 | 485.8 | 485.7 | 485.6 | 485.4 | 485.3 | 485.4 | 485.6 | 485.7 |
| 130° | 509.2 | 508.8 | 508.4 | 508.2 | 508.1 | 507.9 | 507.8 | 507.7 | 507.8 | 507.9 | 508.1 |
| 132.5° | 530.4 | 530.0 | 529.5 | 529.1 | 528.9 | 528.7 | 528.4 | 528.2 | 528.4 | 528.7 | 528.9 |
| 135° | 559.7 | 559.2 | 558.7 | 558.5 | 558.6 | 558.8 | 558.9 | 559.0 | 558.9 | 558.8 | 558.6 |
| 137.5° | 587.9 | 587.3 | 586.8 | 586.5 | 586.4 | 586.4 | 586.3 | 586.3 | 586.3 | 586.4 | 586.4 |
| 140° | 605.9 | 605.6 | 605.3 | 605.1 | 604.8 | 604.6 | 604.3 | 604.1 | 604.3 | 604.6 | 604.8 |
| 142.5° | 622.5 | 622.3 | 622.2 | 621.9 | 621.4 | 621.0 | 620.5 | 620.1 | 620.5 | 621.0 | 621.4 |
| 145° | 646.3 | 646.3 | 646.3 | 646.1 | 645.7 | 645.3 | 645.0 | 644.6 | 645.0 | 645.3 | 645.7 |
| 147.5° | 667.0 | 667.1 | 667.2 | 666.9 | 666.2 | 665.5 | 664.8 | 664.1 | 664.8 | 665.5 | 666.2 |
| 150° | 680.2 | 680.3 | 680.5 | 680.3 | 679.8 | 679.3 | 678.7 | 678.2 | 678.7 | 679.3 | 679.8 |
| 152.5° | 691.4 | 691.6 | 691.8 | 691.7 | 691.3 | 690.9 | 690.5 | 690.1 | 690.5 | 690.9 | 691.3 |
| 155° | 706.4 | 706.8 | 707.1 | 707.3 | 707.1 | 707.0 | 706.9 | 706.8 | 706.9 | 707.0 | 707.1 |
| 157.5° | 719.4 | 719.8 | 720.2 | 720.5 | 720.6 | 720.6 | 720.7 | 720.8 | 720.7 | 720.6 | 720.6 |
| 160° | 727.0 | 727.1 | 727.2 | 727.5 | 727.9 | 728.2 | 728.6 | 729.0 | 728.6 | 728.2 | 727.9 |
| 162.5° | 733.8 | 733.9 | 734.1 | 734.4 | 734.9 | 735.3 | 735.8 | 736.3 | 735.8 | 735.3 | 734.9 |
| 165° | 742.7 | 742.7 | 742.7 | 743.0 | 743.6 | 744.3 | 744.9 | 745.5 | 744.9 | 744.3 | 743.6 |
| 167.5° | 749.7 | 749.8 | 749.8 | 750.2 | 750.9 | 751.5 | 752.2 | 752.8 | 752.2 | 751.5 | 750.9 |
| 170° | 753.8 | 753.7 | 753.6 | 753.9 | 754.7 | 755.4 | 756.2 | 757.0 | 756.2 | 755.4 | 754.7 |
| 172.5° | 756.6 | 756.5 | 756.3 | 756.7 | 757.4 | 758.2 | 758.9 | 759.7 | 758.9 | 758.2 | 757.4 |
| 175° | 759.6 | 759.4 | 759.3 | 759.6 | 760.4 | 761.1 | 761.9 | 762.7 | 761.9 | 761.1 | 760.4 |
| 177.5° | 761.3 | 761.1 | 760.9 | 761.2 | 761.9 | 762.6 | 763.3 | 764.0 | 763.3 | 762.6 | 761.9 |
| 180° | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 |



TEST NUMBER: P332871

CATALOG NUMBER: SA4XXRDIP-C350D590U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 |
| 2.5° | 576.8 | 574.9 | 572.5 | 569.6 | 566.2 | 563.2 | 561.8 | 563.0 | 563.6 | 562.0 | 561.8 |
| 5° | 559.2 | 553.3 | 548.6 | 541.5 | 535.8 | 531.1 | 527.8 | 526.3 | 526.8 | 523.0 | 522.1 |
| 7.5° | 539.5 | 532.5 | 524.7 | 516.3 | 508.5 | 501.5 | 497.9 | 495.9 | 491.8 | 490.1 | 487.2 |
| 10° | 526.8 | 517.4 | 509.8 | 499.8 | 490.8 | 482.6 | 478.5 | 475.2 | 471.2 | 469.3 | 465.3 |
| 12.5° | 513.8 | 502.8 | 494.4 | 484.1 | 474.9 | 465.0 | 461.1 | 455.0 | 448.7 | 444.7 | 439.5 |
| 15° | 495.3 | 482.1 | 471.9 | 459.6 | 448.7 | 437.4 | 427.2 | 415.8 | 411.6 | 402.6 | 397.4 |
| 17.5° | 473.8 | 460.4 | 447.8 | 431.3 | 414.5 | 400.3 | 389.5 | 378.6 | 372.1 | 366.4 | 363.7 |
| 20° | 459.6 | 447.3 | 429.8 | 410.6 | 391.9 | 376.3 | 367.5 | 360.4 | 353.3 | 349.3 | 346.5 |
| 22.5° | 446.2 | 430.4 | 410.1 | 389.4 | 370.7 | 358.5 | 351.1 | 343.8 | 338.0 | 334.2 | 330.4 |
| 25° | 423.6 | 403.0 | 381.5 | 357.8 | 345.1 | 334.4 | 326.4 | 320.4 | 316.9 | 311.9 | 310.0 |
| 27.5° | 400.5 | 375.5 | 351.8 | 335.9 | 322.6 | 312.8 | 305.8 | 301.4 | 296.9 | 293.7 | 291.2 |
| 30° | 382.7 | 357.4 | 336.1 | 320.9 | 307.4 | 299.4 | 293.7 | 288.5 | 284.9 | 282.3 | 280.5 |
| 32.5° | 365.1 | 339.8 | 321.9 | 305.6 | 294.9 | 287.1 | 281.0 | 277.1 | 274.3 | 271.0 | 269.8 |
| 35° | 339.6 | 317.1 | 301.5 | 286.8 | 276.0 | 268.9 | 264.1 | 260.1 | 257.7 | 256.8 | 256.1 |
| 37.5° | 315.1 | 296.7 | 279.9 | 267.9 | 258.2 | 252.6 | 247.0 | 245.0 | 243.4 | 241.7 | 242.5 |
| 40° | 299.6 | 282.3 | 267.4 | 254.7 | 246.8 | 240.7 | 237.4 | 235.0 | 233.6 | 233.6 | 233.6 |
| 42.5° | 286.2 | 269.3 | 254.7 | 243.3 | 235.5 | 230.3 | 226.6 | 224.6 | 224.1 | 223.9 | 225.1 |
| 45° | 265.3 | 249.7 | 235.0 | 225.5 | 218.9 | 213.7 | 211.6 | 209.9 | 209.9 | 210.9 | 211.1 |
| 47.5° | 244.6 | 230.0 | 218.2 | 207.6 | 201.5 | 198.3 | 196.4 | 195.6 | 195.7 | 196.6 | 197.7 |
| 50° | 231.9 | 217.5 | 205.9 | 196.4 | 190.8 | 187.7 | 186.0 | 185.5 | 186.0 | 186.0 | 187.7 |
| 52.5° | 218.1 | 205.2 | 193.8 | 185.8 | 179.4 | 176.5 | 175.6 | 174.9 | 175.2 | 176.0 | 176.7 |
| 55° | 197.9 | 186.3 | 175.4 | 167.8 | 163.1 | 161.2 | 159.0 | 159.3 | 158.8 | 159.3 | 159.3 |
| 57.5° | 177.5 | 167.1 | 157.0 | 151.0 | 146.8 | 144.1 | 141.8 | 142.4 | 141.7 | 141.6 | 141.2 |
| 60° | 164.5 | 153.1 | 145.1 | 139.6 | 134.9 | 132.5 | 130.4 | 130.9 | 130.2 | 129.7 | 128.7 |
| 62.5° | 150.3 | 140.8 | 133.1 | 127.9 | 124.1 | 121.4 | 119.2 | 118.8 | 117.1 | 115.5 | 113.4 |
| 65° | 129.7 | 121.9 | 115.0 | 110.1 | 106.5 | 104.4 | 102.7 | 101.3 | 97.7 | 94.0 | 92.1 |
| 67.5° | 109.7 | 104.0 | 97.6 | 93.4 | 90.5 | 87.8 | 84.6 | 82.2 | 78.9 | 76.8 | 75.6 |
| 70° | 96.8 | 91.4 | 85.9 | 81.9 | 78.8 | 76.2 | 72.7 | 71.0 | 68.6 | 67.7 | 66.5 |
| 72.5° | 84.5 | 79.4 | 74.4 | 70.7 | 67.5 | 65.4 | 62.6 | 61.0 | 59.9 | 59.5 | 58.4 |
| 75° | 65.8 | 61.8 | 58.0 | 54.7 | 52.1 | 50.6 | 49.5 | 48.3 | 47.8 | 45.7 | 44.5 |
| 77.5° | 48.0 | 45.3 | 43.0 | 40.6 | 38.8 | 37.8 | 35.5 | 34.2 | 33.4 | 32.4 | 32.1 |
| 80° | 37.4 | 35.5 | 33.1 | 31.7 | 29.1 | 28.2 | 27.2 | 27.0 | 26.7 | 26.5 | 26.3 |
| 82.5° | 28.1 | 26.2 | 23.9 | 23.0 | 22.3 | 21.7 | 21.2 | 20.9 | 20.7 | 20.8 | 20.8 |
| 85° | 14.2 | 13.3 | 13.3 | 13.0 | 12.8 | 12.5 | 12.3 | 12.3 | 12.1 | 12.3 | 12.1 |
| 87.5° | 6.2 | 6.2 | 6.4 | 6.3 | 6.7 | 6.9 | 6.8 | 7.0 | 7.3 | 7.1 | 7.2 |
| 90° | 7.3 | 8.5 | 9.5 | 10.5 | 11.5 | 12.5 | 13.3 | 14.1 | 14.8 | 15.6 | 16.1 |
| 92.5° | 7.5 | 8.0 | 9.1 | 10.1 | 11.1 | 12.1 | 12.9 | 13.6 | 14.4 | 15.1 | 15.5 |
| 95° | 14.1 | 12.0 | 12.2 | 12.3 | 12.4 | 12.5 | 13.3 | 14.1 | 14.8 | 15.6 | 16.0 |
| 97.5° | 77.4 | 71.6 | 57.5 | 43.4 | 29.2 | 15.1 | 15.1 | 15.2 | 15.3 | 15.4 | 15.5 |
| 100° | 102.7 | 95.1 | 77.6 | 60.1 | 42.6 | 25.1 | 22.9 | 20.8 | 18.6 | 16.5 | 15.5 |
| 102.5° | 130.4 | 130.1 | 127.8 | 125.5 | 123.2 | 120.9 | 97.7 | 74.4 | 51.2 | 27.9 | 16.3 |
| 105° | 174.7 | 175.4 | 176.1 | 176.7 | 177.3 | 178.0 | 179.1 | 180.3 | 181.4 | 182.5 | 180.8 |
| 107.5° | 217.8 | 218.4 | 219.3 | 220.2 | 221.0 | 221.9 | 222.5 | 223.0 | 223.6 | 224.1 | 224.6 |
| 110° | 247.9 | 248.5 | 249.3 | 250.0 | 250.8 | 251.6 | 251.8 | 252.1 | 252.3 | 252.6 | 252.9 |



TEST NUMBER: P332871

CATALOG NUMBER: SA4XXRDIP-C350D590U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 278.4 | 278.9 | 279.2 | 279.6 | 280.0 | 280.3 | 280.3 | 280.2 | 280.2 | 280.1 | 280.3 |
| 115° | 322.1 | 322.2 | 322.1 | 322.0 | 321.8 | 321.7 | 322.0 | 322.2 | 322.5 | 322.7 | 322.9 |
| 117.5° | 363.1 | 363.5 | 363.8 | 364.1 | 364.3 | 364.6 | 364.6 | 364.5 | 364.5 | 364.4 | 364.4 |
| 120° | 390.5 | 390.7 | 390.6 | 390.4 | 390.3 | 390.2 | 390.4 | 390.7 | 390.9 | 391.2 | 391.2 |
| 122.5° | 415.2 | 415.5 | 415.7 | 415.8 | 416.0 | 416.2 | 416.3 | 416.5 | 416.6 | 416.8 | 416.7 |
| 125° | 452.7 | 452.8 | 452.5 | 452.3 | 452.0 | 451.8 | 452.2 | 452.5 | 452.9 | 453.3 | 453.6 |
| 127.5° | 485.8 | 486.2 | 486.8 | 487.3 | 487.9 | 488.5 | 488.4 | 488.4 | 488.3 | 488.2 | 488.1 |
| 130° | 508.2 | 508.4 | 508.8 | 509.2 | 509.6 | 510.0 | 510.1 | 510.2 | 510.3 | 510.5 | 510.5 |
| 132.5° | 529.1 | 529.5 | 530.0 | 530.4 | 530.9 | 531.4 | 531.5 | 531.7 | 531.8 | 531.9 | 531.9 |
| 135° | 558.5 | 558.7 | 559.2 | 559.7 | 560.2 | 560.7 | 561.0 | 561.2 | 561.5 | 561.7 | 562.0 |
| 137.5° | 586.5 | 586.8 | 587.3 | 587.9 | 588.5 | 589.0 | 589.3 | 589.6 | 589.9 | 590.1 | 590.2 |
| 140° | 605.1 | 605.3 | 605.6 | 605.9 | 606.1 | 606.4 | 606.7 | 607.1 | 607.5 | 607.9 | 608.1 |
| 142.5° | 621.9 | 622.2 | 622.3 | 622.5 | 622.6 | 622.8 | 623.1 | 623.3 | 623.6 | 623.9 | 624.1 |
| 145° | 646.1 | 646.3 | 646.3 | 646.3 | 646.3 | 646.3 | 646.4 | 646.5 | 646.7 | 646.8 | 647.0 |
| 147.5° | 666.9 | 667.2 | 667.1 | 667.0 | 666.8 | 666.7 | 666.8 | 666.9 | 667.0 | 667.1 | 667.2 |
| 150° | 680.3 | 680.5 | 680.3 | 680.2 | 680.1 | 679.9 | 679.9 | 679.9 | 679.9 | 679.9 | 680.0 |
| 152.5° | 691.7 | 691.8 | 691.6 | 691.4 | 691.1 | 690.9 | 691.1 | 691.3 | 691.5 | 691.7 | 691.8 |
| 155° | 707.3 | 707.1 | 706.8 | 706.4 | 706.0 | 705.6 | 706.1 | 706.6 | 707.1 | 707.6 | 707.7 |
| 157.5° | 720.5 | 720.2 | 719.8 | 719.4 | 718.9 | 718.5 | 719.2 | 719.8 | 720.5 | 721.1 | 721.1 |
| 160° | 727.5 | 727.2 | 727.1 | 727.0 | 726.8 | 726.7 | 727.5 | 728.2 | 729.0 | 729.8 | 729.8 |
| 162.5° | 734.4 | 734.1 | 733.9 | 733.8 | 733.7 | 733.6 | 734.3 | 735.1 | 735.8 | 736.6 | 736.6 |
| 165° | 743.0 | 742.7 | 742.7 | 742.7 | 742.7 | 742.7 | 743.7 | 744.7 | 745.7 | 746.8 | 746.7 |
| 167.5° | 750.2 | 749.8 | 749.8 | 749.7 | 749.6 | 749.5 | 750.7 | 751.8 | 752.9 | 754.0 | 753.9 |
| 170° | 753.9 | 753.6 | 753.7 | 753.8 | 754.0 | 754.1 | 755.1 | 756.1 | 757.1 | 758.2 | 758.0 |
| 172.5° | 756.7 | 756.3 | 756.5 | 756.6 | 756.7 | 756.8 | 757.9 | 758.9 | 759.9 | 760.9 | 760.7 |
| 175° | 759.6 | 759.3 | 759.4 | 759.6 | 759.7 | 759.8 | 760.9 | 762.1 | 763.2 | 764.4 | 764.2 |
| 177.5° | 761.2 | 760.9 | 761.1 | 761.3 | 761.5 | 761.7 | 762.6 | 763.4 | 764.2 | 765.0 | 764.8 |
| 180° | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 |



TEST NUMBER: P332871

CATALOG NUMBER: SA4XXRDIP-C350D590U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 |
| 2.5° | 560.7 | 561.1 | 559.8 | 559.4 | 559.8 | 561.1 | 560.7 | 561.8 | 562.0 | 563.6 | 563.0 |
| 5° | 520.2 | 519.7 | 518.5 | 518.8 | 518.5 | 519.7 | 520.2 | 522.1 | 523.0 | 526.8 | 526.3 |
| 7.5° | 485.5 | 483.7 | 484.2 | 482.3 | 484.2 | 483.7 | 485.5 | 487.2 | 490.1 | 491.8 | 495.9 |
| 10° | 464.3 | 461.7 | 459.6 | 457.7 | 459.6 | 461.7 | 464.3 | 465.3 | 469.3 | 471.2 | 475.2 |
| 12.5° | 435.4 | 433.1 | 430.3 | 430.8 | 430.3 | 433.1 | 435.4 | 439.5 | 444.7 | 448.7 | 455.0 |
| 15° | 394.3 | 390.7 | 385.1 | 385.8 | 385.1 | 390.7 | 394.3 | 397.4 | 402.6 | 411.6 | 415.8 |
| 17.5° | 359.5 | 359.5 | 356.9 | 357.6 | 356.9 | 359.5 | 359.5 | 363.7 | 366.4 | 372.1 | 378.6 |
| 20° | 341.5 | 339.9 | 340.1 | 339.4 | 340.1 | 339.9 | 341.5 | 346.5 | 349.3 | 353.3 | 360.4 |
| 22.5° | 329.0 | 327.0 | 325.3 | 323.9 | 325.3 | 327.0 | 329.0 | 330.4 | 334.2 | 338.0 | 343.8 |
| 25° | 307.9 | 306.5 | 304.4 | 303.9 | 304.4 | 306.5 | 307.9 | 310.0 | 311.9 | 316.9 | 320.4 |
| 27.5° | 289.3 | 289.1 | 288.2 | 287.1 | 288.2 | 289.1 | 289.3 | 291.2 | 293.7 | 296.9 | 301.4 |
| 30° | 278.6 | 278.1 | 277.6 | 276.9 | 277.6 | 278.1 | 278.6 | 280.5 | 282.3 | 284.9 | 288.5 |
| 32.5° | 268.9 | 268.6 | 268.1 | 268.2 | 268.1 | 268.6 | 268.9 | 269.8 | 271.0 | 274.3 | 277.1 |
| 35° | 255.1 | 254.9 | 254.4 | 254.2 | 254.4 | 254.9 | 255.1 | 256.1 | 256.8 | 257.7 | 260.1 |
| 37.5° | 242.3 | 242.9 | 242.6 | 242.5 | 242.6 | 242.9 | 242.3 | 242.5 | 241.7 | 243.4 | 245.0 |
| 40° | 233.4 | 233.6 | 234.1 | 233.8 | 234.1 | 233.6 | 233.4 | 233.6 | 233.6 | 233.6 | 235.0 |
| 42.5° | 226.0 | 226.0 | 226.7 | 225.9 | 226.7 | 226.0 | 226.0 | 225.1 | 223.9 | 224.1 | 224.6 |
| 45° | 212.8 | 214.2 | 213.9 | 213.9 | 213.9 | 214.2 | 212.8 | 211.1 | 210.9 | 209.9 | 209.9 |
| 47.5° | 198.3 | 199.6 | 199.9 | 199.8 | 199.9 | 199.6 | 198.3 | 197.7 | 196.6 | 195.7 | 195.6 |
| 50° | 188.9 | 188.4 | 189.1 | 188.9 | 189.1 | 188.4 | 188.9 | 187.7 | 186.0 | 186.0 | 185.5 |
| 52.5° | 177.3 | 177.4 | 177.4 | 177.1 | 177.4 | 177.4 | 177.3 | 176.7 | 176.0 | 175.2 | 174.9 |
| 55° | 159.5 | 159.8 | 159.3 | 159.5 | 159.3 | 159.8 | 159.5 | 159.3 | 159.3 | 158.8 | 159.3 |
| 57.5° | 140.2 | 139.1 | 139.5 | 139.0 | 139.5 | 139.1 | 140.2 | 141.2 | 141.6 | 141.7 | 142.4 |
| 60° | 126.4 | 124.5 | 124.0 | 123.1 | 124.0 | 124.5 | 126.4 | 128.7 | 129.7 | 130.2 | 130.9 |
| 62.5° | 110.9 | 109.5 | 107.9 | 108.7 | 107.9 | 109.5 | 110.9 | 113.4 | 115.5 | 117.1 | 118.8 |
| 65° | 90.2 | 89.2 | 88.5 | 89.5 | 88.5 | 89.2 | 90.2 | 92.1 | 94.0 | 97.7 | 101.3 |
| 67.5° | 74.6 | 74.1 | 74.1 | 73.7 | 74.1 | 74.1 | 74.6 | 75.6 | 76.8 | 78.9 | 82.2 |
| 70° | 66.5 | 65.8 | 65.8 | 65.3 | 65.8 | 65.8 | 66.5 | 66.5 | 67.7 | 68.6 | 71.0 |
| 72.5° | 58.2 | 57.5 | 57.7 | 57.4 | 57.7 | 57.5 | 58.2 | 58.4 | 59.5 | 59.9 | 61.0 |
| 75° | 43.1 | 41.9 | 41.9 | 42.1 | 41.9 | 41.9 | 43.1 | 44.5 | 45.7 | 47.8 | 48.3 |
| 77.5° | 32.1 | 31.9 | 32.2 | 31.8 | 32.2 | 31.9 | 32.1 | 32.1 | 32.4 | 33.4 | 34.2 |
| 80° | 26.3 | 26.0 | 25.8 | 26.5 | 25.8 | 26.0 | 26.3 | 26.3 | 26.5 | 26.7 | 27.0 |
| 82.5° | 20.4 | 20.4 | 20.3 | 21.2 | 20.3 | 20.4 | 20.4 | 20.8 | 20.8 | 20.7 | 20.9 |
| 85° | 12.3 | 11.8 | 12.3 | 11.8 | 12.3 | 11.8 | 12.3 | 12.1 | 12.3 | 12.1 | 12.3 |
| 87.5° | 7.6 | 7.5 | 7.3 | 7.6 | 7.3 | 7.5 | 7.6 | 7.2 | 7.1 | 7.3 | 7.0 |
| 90° | 16.4 | 16.6 | 16.9 | 17.1 | 16.9 | 16.6 | 16.4 | 16.1 | 15.6 | 14.8 | 14.1 |
| 92.5° | 15.6 | 15.6 | 15.7 | 15.7 | 15.7 | 15.6 | 15.6 | 15.5 | 15.1 | 14.4 | 13.6 |
| 95° | 16.2 | 16.3 | 16.4 | 16.5 | 16.4 | 16.3 | 16.2 | 16.0 | 15.6 | 14.8 | 14.1 |
| 97.5° | 15.6 | 15.7 | 15.8 | 16.0 | 15.8 | 15.7 | 15.6 | 15.5 | 15.4 | 15.3 | 15.2 |
| 100° | 15.6 | 15.7 | 15.8 | 16.0 | 15.8 | 15.7 | 15.6 | 15.5 | 16.5 | 18.6 | 20.8 |
| 102.5° | 16.4 | 16.4 | 16.4 | 16.4 | 16.4 | 16.4 | 16.4 | 16.3 | 27.9 | 51.2 | 74.4 |
| 105° | 176.3 | 171.7 | 167.1 | 162.6 | 167.1 | 171.7 | 176.3 | 180.8 | 182.5 | 181.4 | 180.3 |
| 107.5° | 225.1 | 225.6 | 226.1 | 226.6 | 226.1 | 225.6 | 225.1 | 224.6 | 224.1 | 223.6 | 223.0 |
| 110° | 253.3 | 253.6 | 254.0 | 254.4 | 254.0 | 253.6 | 253.3 | 252.9 | 252.6 | 252.3 | 252.1 |



TEST NUMBER: P332871

CATALOG NUMBER: SA4XXRDIP-C350D590U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 280.8 | 281.3 | 281.8 | 282.2 | 281.8 | 281.3 | 280.8 | 280.3 | 280.1 | 280.2 | 280.2 |
| 115° | 322.9 | 322.9 | 322.9 | 322.9 | 322.9 | 322.9 | 322.9 | 322.9 | 322.7 | 322.5 | 322.2 |
| 117.5° | 364.3 | 364.3 | 364.2 | 364.2 | 364.2 | 364.3 | 364.3 | 364.4 | 364.4 | 364.5 | 364.5 |
| 120° | 390.9 | 390.7 | 390.4 | 390.2 | 390.4 | 390.7 | 390.9 | 391.2 | 391.2 | 390.9 | 390.7 |
| 122.5° | 416.5 | 416.2 | 416.0 | 415.7 | 416.0 | 416.2 | 416.5 | 416.7 | 416.8 | 416.6 | 416.5 |
| 125° | 453.7 | 453.8 | 453.9 | 454.1 | 453.9 | 453.8 | 453.7 | 453.6 | 453.3 | 452.9 | 452.5 |
| 127.5° | 488.0 | 487.9 | 487.8 | 487.7 | 487.8 | 487.9 | 488.0 | 488.1 | 488.2 | 488.3 | 488.4 |
| 130° | 510.5 | 510.5 | 510.5 | 510.5 | 510.5 | 510.5 | 510.5 | 510.5 | 510.5 | 510.3 | 510.2 |
| 132.5° | 531.8 | 531.7 | 531.6 | 531.5 | 531.6 | 531.7 | 531.8 | 531.9 | 531.9 | 531.8 | 531.7 |
| 135° | 562.2 | 562.5 | 562.8 | 563.0 | 562.8 | 562.5 | 562.2 | 562.0 | 561.7 | 561.5 | 561.2 |
| 137.5° | 590.2 | 590.1 | 590.0 | 589.9 | 590.0 | 590.1 | 590.2 | 590.2 | 590.1 | 589.9 | 589.6 |
| 140° | 608.3 | 608.4 | 608.5 | 608.6 | 608.5 | 608.4 | 608.3 | 608.1 | 607.9 | 607.5 | 607.1 |
| 142.5° | 624.1 | 624.1 | 624.1 | 624.2 | 624.1 | 624.1 | 624.1 | 624.1 | 623.9 | 623.6 | 623.3 |
| 145° | 647.2 | 647.5 | 647.8 | 648.0 | 647.8 | 647.5 | 647.2 | 647.0 | 646.8 | 646.7 | 646.5 |
| 147.5° | 667.4 | 667.5 | 667.6 | 667.7 | 667.6 | 667.5 | 667.4 | 667.2 | 667.1 | 667.0 | 666.9 |
| 150° | 680.1 | 680.3 | 680.4 | 680.5 | 680.4 | 680.3 | 680.1 | 680.0 | 679.9 | 679.9 | 679.9 |
| 152.5° | 691.7 | 691.6 | 691.5 | 691.5 | 691.5 | 691.6 | 691.7 | 691.8 | 691.7 | 691.5 | 691.3 |
| 155° | 707.3 | 706.9 | 706.6 | 706.2 | 706.6 | 706.9 | 707.3 | 707.7 | 707.6 | 707.1 | 706.6 |
| 157.5° | 720.5 | 719.8 | 719.2 | 718.5 | 719.2 | 719.8 | 720.5 | 721.1 | 721.1 | 720.5 | 719.8 |
| 160° | 729.0 | 728.2 | 727.5 | 726.7 | 727.5 | 728.2 | 729.0 | 729.8 | 729.8 | 729.0 | 728.2 |
| 162.5° | 735.7 | 734.8 | 734.0 | 733.1 | 734.0 | 734.8 | 735.7 | 736.6 | 736.6 | 735.8 | 735.1 |
| 165° | 745.5 | 744.4 | 743.3 | 742.1 | 743.3 | 744.4 | 745.5 | 746.7 | 746.8 | 745.7 | 744.7 |
| 167.5° | 752.7 | 751.4 | 750.1 | 748.9 | 750.1 | 751.4 | 752.7 | 753.9 | 754.0 | 752.9 | 751.8 |
| 170° | 756.8 | 755.5 | 754.2 | 753.0 | 754.2 | 755.5 | 756.8 | 758.0 | 758.2 | 757.1 | 756.1 |
| 172.5° | 759.4 | 758.0 | 756.6 | 755.2 | 756.6 | 758.0 | 759.4 | 760.7 | 760.9 | 759.9 | 758.9 |
| 175° | 762.7 | 761.1 | 759.6 | 758.1 | 759.6 | 761.1 | 762.7 | 764.2 | 764.4 | 763.2 | 762.1 |
| 177.5° | 763.6 | 762.4 | 761.1 | 759.9 | 761.1 | 762.4 | 763.6 | 764.8 | 765.0 | 764.2 | 763.4 |
| 180° | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 |



TEST NUMBER: P332871

CATALOG NUMBER: SA4XXRDIP-C350D590U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 |
| 2.5° | 561.8 | 563.2 | 566.2 | 569.6 | 572.5 | 574.9 | 576.8 | 579.5 | 581.9 | 585.3 | 588.5 |
| 5° | 527.8 | 531.1 | 535.8 | 541.5 | 548.6 | 553.3 | 559.2 | 564.5 | 572.0 | 579.6 | 586.9 |
| 7.5° | 497.9 | 501.5 | 508.5 | 516.3 | 524.7 | 532.5 | 539.5 | 548.7 | 558.7 | 569.8 | 582.1 |
| 10° | 478.5 | 482.6 | 490.8 | 499.8 | 509.8 | 517.4 | 526.8 | 537.7 | 549.1 | 562.6 | 577.7 |
| 12.5° | 461.1 | 465.0 | 474.9 | 484.1 | 494.4 | 502.8 | 513.8 | 524.8 | 540.0 | 554.6 | 571.8 |
| 15° | 427.2 | 437.4 | 448.7 | 459.6 | 471.9 | 482.1 | 495.3 | 506.7 | 521.1 | 541.7 | 561.4 |
| 17.5° | 389.5 | 400.3 | 414.5 | 431.3 | 447.8 | 460.4 | 473.8 | 487.9 | 505.1 | 526.1 | 548.8 |
| 20° | 367.5 | 376.3 | 391.9 | 410.6 | 429.8 | 447.3 | 459.6 | 475.2 | 493.0 | 515.7 | 539.1 |
| 22.5° | 351.1 | 358.5 | 370.7 | 389.4 | 410.1 | 430.4 | 446.2 | 461.6 | 481.2 | 504.0 | 529.5 |
| 25° | 326.4 | 334.4 | 345.1 | 357.8 | 381.5 | 403.0 | 423.6 | 441.4 | 462.2 | 484.9 | 513.3 |
| 27.5° | 305.8 | 312.8 | 322.6 | 335.9 | 351.8 | 375.5 | 400.5 | 420.7 | 442.1 | 466.5 | 494.9 |
| 30° | 293.7 | 299.4 | 307.4 | 320.9 | 336.1 | 357.4 | 382.7 | 406.4 | 427.9 | 453.2 | 482.8 |
| 32.5° | 281.0 | 287.1 | 294.9 | 305.6 | 321.9 | 339.8 | 365.1 | 391.0 | 413.9 | 439.8 | 468.8 |
| 35° | 264.1 | 268.9 | 276.0 | 286.8 | 301.5 | 317.1 | 339.6 | 366.4 | 390.5 | 418.2 | 445.9 |
| 37.5° | 247.0 | 252.6 | 258.2 | 267.9 | 279.9 | 296.7 | 315.1 | 342.5 | 369.2 | 394.5 | 421.5 |
| 40° | 237.4 | 240.7 | 246.8 | 254.7 | 267.4 | 282.3 | 299.6 | 326.4 | 353.1 | 378.2 | 405.4 |
| 42.5° | 226.6 | 230.3 | 235.5 | 243.3 | 254.7 | 269.3 | 286.2 | 309.3 | 337.2 | 361.5 | 386.3 |
| 45° | 211.6 | 213.7 | 218.9 | 225.5 | 235.0 | 249.7 | 265.3 | 285.9 | 312.2 | 335.4 | 357.1 |
| 47.5° | 196.4 | 198.3 | 201.5 | 207.6 | 218.2 | 230.0 | 244.6 | 263.1 | 286.1 | 309.3 | 327.7 |
| 50° | 186.0 | 187.7 | 190.8 | 196.4 | 205.9 | 217.5 | 231.9 | 248.5 | 269.1 | 291.3 | 306.7 |
| 52.5° | 175.6 | 176.5 | 179.4 | 185.8 | 193.8 | 205.2 | 218.1 | 233.4 | 252.6 | 271.1 | 286.7 |
| 55° | 159.0 | 161.2 | 163.1 | 167.8 | 175.4 | 186.3 | 197.9 | 212.3 | 227.2 | 242.8 | 256.1 |
| 57.5° | 141.8 | 144.1 | 146.8 | 151.0 | 157.0 | 167.1 | 177.5 | 189.2 | 202.0 | 214.9 | 226.1 |
| 60° | 130.4 | 132.5 | 134.9 | 139.6 | 145.1 | 153.1 | 164.5 | 174.7 | 184.4 | 196.2 | 207.3 |
| 62.5° | 119.2 | 121.4 | 124.1 | 127.9 | 133.1 | 140.8 | 150.3 | 159.1 | 169.2 | 179.5 | 187.8 |
| 65° | 102.7 | 104.4 | 106.5 | 110.1 | 115.0 | 121.9 | 129.7 | 136.6 | 145.6 | 153.1 | 160.7 |
| 67.5° | 84.6 | 87.8 | 90.5 | 93.4 | 97.6 | 104.0 | 109.7 | 116.3 | 122.4 | 128.0 | 134.9 |
| 70° | 72.7 | 76.2 | 78.8 | 81.9 | 85.9 | 91.4 | 96.8 | 101.3 | 106.3 | 111.7 | 117.9 |
| 72.5° | 62.6 | 65.4 | 67.5 | 70.7 | 74.4 | 79.4 | 84.5 | 88.2 | 92.3 | 96.0 | 102.0 |
| 75° | 49.5 | 50.6 | 52.1 | 54.7 | 58.0 | 61.8 | 65.8 | 69.1 | 71.5 | 74.8 | 79.0 |
| 77.5° | 35.5 | 37.8 | 38.8 | 40.6 | 43.0 | 45.3 | 48.0 | 50.8 | 53.1 | 54.2 | 57.5 |
| 80° | 27.2 | 28.2 | 29.1 | 31.7 | 33.1 | 35.5 | 37.4 | 40.0 | 40.9 | 42.1 | 45.2 |
| 82.5° | 21.2 | 21.7 | 22.3 | 23.0 | 23.9 | 26.2 | 28.1 | 29.8 | 30.7 | 31.1 | 33.5 |
| 85° | 12.3 | 12.5 | 12.8 | 13.0 | 13.3 | 13.3 | 14.2 | 15.4 | 17.0 | 17.0 | 17.8 |
| 87.5° | 6.8 | 6.9 | 6.7 | 6.3 | 6.4 | 6.2 | 6.2 | 5.9 | 6.2 | 6.5 | 6.8 |
| 90° | 13.3 | 12.5 | 11.5 | 10.5 | 9.5 | 8.5 | 7.3 | 5.9 | 4.5 | 3.1 | 1.7 |
| 92.5° | 12.9 | 12.1 | 11.1 | 10.1 | 9.1 | 8.0 | 7.5 | 7.4 | 7.3 | 7.3 | 7.2 |
| 95° | 13.3 | 12.5 | 12.4 | 12.3 | 12.2 | 12.0 | 14.1 | 18.4 | 22.8 | 27.1 | 31.4 |
| 97.5° | 15.1 | 15.1 | 29.2 | 43.4 | 57.5 | 71.6 | 77.4 | 74.7 | 72.0 | 69.3 | 66.6 |
| 100° | 22.9 | 25.1 | 42.6 | 60.1 | 77.6 | 95.1 | 102.7 | 100.4 | 98.1 | 95.8 | 93.5 |
| 102.5° | 97.7 | 120.9 | 123.2 | 125.5 | 127.8 | 130.1 | 130.4 | 128.7 | 127.0 | 125.3 | 123.7 |
| 105° | 179.1 | 178.0 | 177.3 | 176.7 | 176.1 | 175.4 | 174.7 | 174.0 | 173.2 | 172.5 | 171.7 |
| 107.5° | 222.5 | 221.9 | 221.0 | 220.2 | 219.3 | 218.4 | 217.8 | 217.4 | 217.1 | 216.7 | 216.3 |
| 110° | 251.8 | 251.6 | 250.8 | 250.0 | 249.3 | 248.5 | 247.9 | 247.6 | 247.2 | 246.8 | 246.4 |



TEST NUMBER: P332871

CATALOG NUMBER: SA4XXRDIP-C350D590U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 280.3 | 280.3 | 280.0 | 279.6 | 279.2 | 278.9 | 278.4 | 277.7 | 277.0 | 276.3 | 275.6 |
| 115° | 322.0 | 321.7 | 321.8 | 322.0 | 322.1 | 322.2 | 322.1 | 321.7 | 321.3 | 321.0 | 320.6 |
| 117.5° | 364.6 | 364.6 | 364.3 | 364.1 | 363.8 | 363.5 | 363.1 | 362.6 | 362.1 | 361.6 | 361.1 |
| 120° | 390.4 | 390.2 | 390.3 | 390.4 | 390.6 | 390.7 | 390.5 | 390.0 | 389.5 | 389.0 | 388.5 |
| 122.5° | 416.3 | 416.2 | 416.0 | 415.8 | 415.7 | 415.5 | 415.2 | 414.9 | 414.6 | 414.3 | 414.0 |
| 125° | 452.2 | 451.8 | 452.0 | 452.3 | 452.5 | 452.8 | 452.7 | 452.2 | 451.7 | 451.1 | 450.6 |
| 127.5° | 488.4 | 488.5 | 487.9 | 487.3 | 486.8 | 486.2 | 485.8 | 485.7 | 485.6 | 485.4 | 485.3 |
| 130° | 510.1 | 510.0 | 509.6 | 509.2 | 508.8 | 508.4 | 508.2 | 508.1 | 507.9 | 507.8 | 507.7 |
| 132.5° | 531.5 | 531.4 | 530.9 | 530.4 | 530.0 | 529.5 | 529.1 | 528.9 | 528.7 | 528.4 | 528.2 |
| 135° | 561.0 | 560.7 | 560.2 | 559.7 | 559.2 | 558.7 | 558.5 | 558.6 | 558.8 | 558.9 | 559.0 |
| 137.5° | 589.3 | 589.0 | 588.5 | 587.9 | 587.3 | 586.8 | 586.5 | 586.4 | 586.4 | 586.3 | 586.3 |
| 140° | 606.7 | 606.4 | 606.1 | 605.9 | 605.6 | 605.3 | 605.1 | 604.8 | 604.6 | 604.3 | 604.1 |
| 142.5° | 623.1 | 622.8 | 622.6 | 622.5 | 622.3 | 622.2 | 621.9 | 621.4 | 621.0 | 620.5 | 620.1 |
| 145° | 646.4 | 646.3 | 646.3 | 646.3 | 646.3 | 646.3 | 646.1 | 645.7 | 645.3 | 645.0 | 644.6 |
| 147.5° | 666.8 | 666.7 | 666.8 | 667.0 | 667.1 | 667.2 | 666.9 | 666.2 | 665.5 | 664.8 | 664.1 |
| 150° | 679.9 | 679.9 | 680.1 | 680.2 | 680.3 | 680.5 | 680.3 | 679.8 | 679.3 | 678.7 | 678.2 |
| 152.5° | 691.1 | 690.9 | 691.1 | 691.4 | 691.6 | 691.8 | 691.7 | 691.3 | 690.9 | 690.5 | 690.1 |
| 155° | 706.1 | 705.6 | 706.0 | 706.4 | 706.8 | 707.1 | 707.3 | 707.1 | 707.0 | 706.9 | 706.8 |
| 157.5° | 719.2 | 718.5 | 718.9 | 719.4 | 719.8 | 720.2 | 720.5 | 720.6 | 720.6 | 720.7 | 720.8 |
| 160° | 727.5 | 726.7 | 726.8 | 727.0 | 727.1 | 727.2 | 727.5 | 727.9 | 728.2 | 728.6 | 729.0 |
| 162.5° | 734.3 | 733.6 | 733.7 | 733.8 | 733.9 | 734.1 | 734.4 | 734.9 | 735.3 | 735.8 | 736.3 |
| 165° | 743.7 | 742.7 | 742.7 | 742.7 | 742.7 | 742.7 | 743.0 | 743.6 | 744.3 | 744.9 | 745.5 |
| 167.5° | 750.7 | 749.5 | 749.6 | 749.7 | 749.8 | 749.8 | 750.2 | 750.9 | 751.5 | 752.2 | 752.8 |
| 170° | 755.1 | 754.1 | 754.0 | 753.8 | 753.7 | 753.6 | 753.9 | 754.7 | 755.4 | 756.2 | 757.0 |
| 172.5° | 757.9 | 756.8 | 756.7 | 756.6 | 756.5 | 756.3 | 756.7 | 757.4 | 758.2 | 758.9 | 759.7 |
| 175° | 760.9 | 759.8 | 759.7 | 759.6 | 759.4 | 759.3 | 759.6 | 760.4 | 761.1 | 761.9 | 762.7 |
| 177.5° | 762.6 | 761.7 | 761.5 | 761.3 | 761.1 | 760.9 | 761.2 | 761.9 | 762.6 | 763.3 | 764.0 |
| 180° | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 |



TEST NUMBER: P332871

CATALOG NUMBER: SA4XXRDIP-C350D590U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 |
| 2.5° | 591.0 | 592.7 | 594.6 | 598.2 | 601.2 | 602.6 | 605.2 | 607.1 | 606.5 | 609.2 | 613.7 |
| 5° | 593.3 | 599.7 | 607.1 | 614.6 | 623.1 | 630.2 | 635.9 | 641.6 | 646.1 | 651.5 | 659.6 |
| 7.5° | 592.9 | 604.3 | 616.7 | 630.2 | 644.2 | 656.3 | 667.4 | 678.8 | 688.9 | 699.9 | 714.4 |
| 10° | 591.4 | 606.6 | 622.0 | 639.7 | 657.5 | 674.3 | 689.4 | 703.6 | 717.1 | 731.5 | 749.8 |
| 12.5° | 589.7 | 607.1 | 625.7 | 647.1 | 669.2 | 689.4 | 707.2 | 727.7 | 744.6 | 763.2 | 784.2 |
| 15° | 582.2 | 605.6 | 631.0 | 658.6 | 685.2 | 712.4 | 736.7 | 761.8 | 785.3 | 807.5 | 834.0 |
| 17.5° | 573.6 | 600.6 | 630.5 | 663.2 | 695.0 | 728.1 | 757.1 | 788.7 | 812.6 | 842.5 | 867.1 |
| 20° | 566.6 | 595.7 | 627.6 | 664.3 | 700.5 | 737.2 | 769.2 | 801.4 | 828.3 | 858.4 | 889.6 |
| 22.5° | 558.1 | 590.0 | 624.6 | 662.6 | 700.5 | 740.6 | 776.0 | 808.0 | 841.4 | 875.2 | 907.4 |
| 25° | 544.3 | 577.5 | 614.2 | 655.8 | 699.4 | 740.3 | 778.2 | 817.9 | 853.9 | 890.6 | 919.5 |
| 27.5° | 527.5 | 562.3 | 600.9 | 643.9 | 688.6 | 730.5 | 775.1 | 817.5 | 853.7 | 889.0 | 914.2 |
| 30° | 514.0 | 550.7 | 587.9 | 631.4 | 677.8 | 722.8 | 770.6 | 813.0 | 851.1 | 882.8 | 897.0 |
| 32.5° | 500.2 | 535.0 | 573.3 | 617.4 | 664.9 | 713.3 | 760.7 | 804.1 | 839.3 | 858.3 | 858.7 |
| 35° | 476.2 | 508.8 | 548.6 | 591.9 | 640.7 | 693.2 | 741.2 | 783.8 | 805.4 | 807.0 | 783.8 |
| 37.5° | 450.0 | 479.9 | 517.4 | 560.8 | 614.2 | 666.5 | 715.5 | 743.9 | 751.1 | 727.0 | 684.2 |
| 40° | 431.2 | 458.9 | 495.1 | 539.6 | 592.6 | 646.6 | 691.3 | 712.1 | 704.6 | 665.5 | 617.7 |
| 42.5° | 411.5 | 437.3 | 472.2 | 516.1 | 569.3 | 623.9 | 662.0 | 673.1 | 653.1 | 608.0 | 552.0 |
| 45° | 379.4 | 403.0 | 437.6 | 481.9 | 533.0 | 584.1 | 613.0 | 607.3 | 573.9 | 520.4 | 457.7 |
| 47.5° | 345.9 | 368.8 | 399.9 | 440.8 | 493.2 | 537.3 | 556.8 | 539.7 | 492.2 | 433.4 | 382.4 |
| 50° | 323.8 | 347.2 | 375.8 | 414.9 | 462.7 | 505.3 | 517.8 | 491.8 | 439.0 | 382.5 | 335.6 |
| 52.5° | 302.0 | 322.0 | 350.1 | 387.8 | 433.5 | 469.5 | 476.2 | 446.2 | 391.7 | 341.0 | 299.4 |
| 55° | 268.9 | 287.1 | 310.7 | 346.2 | 385.8 | 416.3 | 412.7 | 374.2 | 324.7 | 281.4 | 248.7 |
| 57.5° | 236.8 | 250.5 | 272.4 | 305.7 | 340.4 | 360.9 | 347.9 | 315.0 | 268.9 | 233.4 | 205.9 |
| 60° | 215.6 | 228.4 | 248.7 | 277.8 | 308.4 | 320.0 | 309.1 | 273.4 | 236.9 | 204.5 | 181.3 |
| 62.5° | 195.5 | 206.8 | 224.3 | 251.3 | 276.0 | 282.9 | 271.2 | 240.0 | 207.2 | 179.5 | 160.3 |
| 65° | 166.4 | 176.8 | 191.7 | 210.9 | 227.9 | 231.2 | 223.7 | 191.7 | 166.9 | 143.7 | 130.4 |
| 67.5° | 139.9 | 146.7 | 158.4 | 174.9 | 184.0 | 185.9 | 171.3 | 151.2 | 129.3 | 115.1 | 105.1 |
| 70° | 122.1 | 126.9 | 137.7 | 146.7 | 154.1 | 154.3 | 140.8 | 124.7 | 107.9 | 96.3 | 89.0 |
| 72.5° | 104.9 | 109.4 | 117.7 | 123.8 | 129.5 | 127.6 | 115.3 | 102.6 | 89.0 | 80.2 | 74.8 |
| 75° | 80.9 | 85.0 | 89.2 | 92.1 | 92.1 | 89.7 | 80.7 | 71.2 | 63.4 | 58.2 | 56.6 |
| 77.5° | 58.8 | 62.1 | 63.6 | 63.1 | 62.3 | 58.6 | 52.9 | 46.7 | 43.9 | 41.5 | 40.2 |
| 80° | 46.2 | 47.6 | 48.0 | 46.9 | 45.4 | 41.2 | 37.4 | 34.8 | 32.2 | 31.2 | 30.8 |
| 82.5° | 34.2 | 35.5 | 34.2 | 34.6 | 31.4 | 27.9 | 25.8 | 24.9 | 23.9 | 23.5 | 23.0 |
| 85° | 18.2 | 18.0 | 17.5 | 16.3 | 14.2 | 13.7 | 13.5 | 13.3 | 12.8 | 13.0 | 12.5 |
| 87.5° | 6.9 | 6.6 | 6.1 | 6.2 | 6.4 | 6.3 | 6.6 | 6.9 | 7.1 | 7.0 | 7.5 |
| 90° | 3.1 | 4.5 | 5.9 | 7.3 | 8.5 | 9.5 | 10.5 | 11.5 | 12.5 | 13.3 | 14.1 |
| 92.5° | 7.3 | 7.3 | 7.4 | 7.5 | 8.0 | 9.1 | 10.1 | 11.1 | 12.1 | 12.9 | 13.6 |
| 95° | 27.1 | 22.8 | 18.4 | 14.1 | 12.0 | 12.2 | 12.3 | 12.4 | 12.5 | 13.3 | 14.1 |
| 97.5° | 69.3 | 72.0 | 74.7 | 77.4 | 71.6 | 57.5 | 43.4 | 29.2 | 15.1 | 15.1 | 15.2 |
| 100° | 95.8 | 98.1 | 100.4 | 102.7 | 95.1 | 77.6 | 60.1 | 42.6 | 25.1 | 22.9 | 20.8 |
| 102.5° | 125.3 | 127.0 | 128.7 | 130.4 | 130.1 | 127.8 | 125.5 | 123.2 | 120.9 | 97.7 | 74.4 |
| 105° | 172.5 | 173.2 | 174.0 | 174.7 | 175.4 | 176.1 | 176.7 | 177.3 | 178.0 | 179.1 | 180.3 |
| 107.5° | 216.7 | 217.1 | 217.4 | 217.8 | 218.4 | 219.3 | 220.2 | 221.0 | 221.9 | 222.5 | 223.0 |
| 110° | 246.8 | 247.2 | 247.6 | 247.9 | 248.5 | 249.3 | 250.0 | 250.8 | 251.6 | 251.8 | 252.1 |



TEST NUMBER: P332871

CATALOG NUMBER: SA4XXRDIP-C350D590U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 276.3 | 277.0 | 277.7 | 278.4 | 278.9 | 279.2 | 279.6 | 280.0 | 280.3 | 280.3 | 280.2 |
| 115° | 321.0 | 321.3 | 321.7 | 322.1 | 322.2 | 322.1 | 322.0 | 321.8 | 321.7 | 322.0 | 322.2 |
| 117.5° | 361.6 | 362.1 | 362.6 | 363.1 | 363.5 | 363.8 | 364.1 | 364.3 | 364.6 | 364.6 | 364.5 |
| 120° | 389.0 | 389.5 | 390.0 | 390.5 | 390.7 | 390.6 | 390.4 | 390.3 | 390.2 | 390.4 | 390.7 |
| 122.5° | 414.3 | 414.6 | 414.9 | 415.2 | 415.5 | 415.7 | 415.8 | 416.0 | 416.2 | 416.3 | 416.5 |
| 125° | 451.1 | 451.7 | 452.2 | 452.7 | 452.8 | 452.5 | 452.3 | 452.0 | 451.8 | 452.2 | 452.5 |
| 127.5° | 485.4 | 485.6 | 485.7 | 485.8 | 486.2 | 486.8 | 487.3 | 487.9 | 488.5 | 488.4 | 488.4 |
| 130° | 507.8 | 507.9 | 508.1 | 508.2 | 508.4 | 508.8 | 509.2 | 509.6 | 510.0 | 510.1 | 510.2 |
| 132.5° | 528.4 | 528.7 | 528.9 | 529.1 | 529.5 | 530.0 | 530.4 | 530.9 | 531.4 | 531.5 | 531.7 |
| 135° | 558.9 | 558.8 | 558.6 | 558.5 | 558.7 | 559.2 | 559.7 | 560.2 | 560.7 | 561.0 | 561.2 |
| 137.5° | 586.3 | 586.4 | 586.4 | 586.5 | 586.8 | 587.3 | 587.9 | 588.5 | 589.0 | 589.3 | 589.6 |
| 140° | 604.3 | 604.6 | 604.8 | 605.1 | 605.3 | 605.6 | 605.9 | 606.1 | 606.4 | 606.7 | 607.1 |
| 142.5° | 620.5 | 621.0 | 621.4 | 621.9 | 622.2 | 622.3 | 622.5 | 622.6 | 622.8 | 623.1 | 623.3 |
| 145° | 645.0 | 645.3 | 645.7 | 646.1 | 646.3 | 646.3 | 646.3 | 646.3 | 646.3 | 646.4 | 646.5 |
| 147.5° | 664.8 | 665.5 | 666.2 | 666.9 | 667.2 | 667.1 | 667.0 | 666.8 | 666.7 | 666.8 | 666.9 |
| 150° | 678.7 | 679.3 | 679.8 | 680.3 | 680.5 | 680.3 | 680.2 | 680.1 | 679.9 | 679.9 | 679.9 |
| 152.5° | 690.5 | 690.9 | 691.3 | 691.7 | 691.8 | 691.6 | 691.4 | 691.1 | 690.9 | 691.1 | 691.3 |
| 155° | 706.9 | 707.0 | 707.1 | 707.3 | 707.1 | 706.8 | 706.4 | 706.0 | 705.6 | 706.1 | 706.6 |
| 157.5° | 720.7 | 720.6 | 720.6 | 720.5 | 720.2 | 719.8 | 719.4 | 718.9 | 718.5 | 719.2 | 719.8 |
| 160° | 728.6 | 728.2 | 727.9 | 727.5 | 727.2 | 727.1 | 727.0 | 726.8 | 726.7 | 727.5 | 728.2 |
| 162.5° | 735.8 | 735.3 | 734.9 | 734.4 | 734.1 | 733.9 | 733.8 | 733.7 | 733.6 | 734.3 | 735.1 |
| 165° | 744.9 | 744.3 | 743.6 | 743.0 | 742.7 | 742.7 | 742.7 | 742.7 | 742.7 | 743.7 | 744.7 |
| 167.5° | 752.2 | 751.5 | 750.9 | 750.2 | 749.8 | 749.8 | 749.7 | 749.6 | 749.5 | 750.7 | 751.8 |
| 170° | 756.2 | 755.4 | 754.7 | 753.9 | 753.6 | 753.7 | 753.8 | 754.0 | 754.1 | 755.1 | 756.1 |
| 172.5° | 758.9 | 758.2 | 757.4 | 756.7 | 756.3 | 756.5 | 756.6 | 756.7 | 756.8 | 757.9 | 758.9 |
| 175° | 761.9 | 761.1 | 760.4 | 759.6 | 759.3 | 759.4 | 759.6 | 759.7 | 759.8 | 760.9 | 762.1 |
| 177.5° | 763.3 | 762.6 | 761.9 | 761.2 | 760.9 | 761.1 | 761.3 | 761.5 | 761.7 | 762.6 | 763.4 |
| 180° | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 |



TEST NUMBER: P332871

CATALOG NUMBER: SA4XXRDIP-C350D590U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 | 587.4 |
| 2.5° | 616.2 | 616.9 | 617.5 | 619.4 | 619.6 | 621.3 | 619.6 |
| 5° | 667.2 | 670.5 | 675.7 | 680.9 | 681.4 | 684.7 | 678.8 |
| 7.5° | 724.3 | 732.0 | 736.8 | 745.2 | 748.5 | 750.6 | 747.2 |
| 10° | 763.7 | 770.8 | 783.4 | 789.5 | 795.7 | 796.6 | 793.8 |
| 12.5° | 801.8 | 813.0 | 822.9 | 834.6 | 834.3 | 842.6 | 839.6 |
| 15° | 852.5 | 864.1 | 877.8 | 890.8 | 895.5 | 895.5 | 899.3 |
| 17.5° | 888.6 | 909.9 | 924.1 | 934.3 | 945.5 | 947.4 | 946.1 |
| 20° | 913.1 | 936.0 | 951.2 | 964.4 | 972.0 | 974.1 | 974.1 |
| 22.5° | 931.2 | 950.8 | 965.6 | 977.5 | 983.7 | 986.2 | 985.5 |
| 25° | 943.8 | 960.6 | 969.6 | 973.2 | 974.8 | 974.4 | 969.9 |
| 27.5° | 926.6 | 925.8 | 920.2 | 909.3 | 901.1 | 896.1 | 890.4 |
| 30° | 893.7 | 881.3 | 867.1 | 851.5 | 831.4 | 816.0 | 811.3 |
| 32.5° | 844.6 | 817.0 | 792.9 | 766.9 | 745.3 | 729.9 | 723.4 |
| 35° | 749.8 | 706.0 | 670.2 | 639.0 | 616.3 | 602.1 | 597.3 |
| 37.5° | 637.2 | 594.8 | 550.6 | 520.3 | 501.4 | 487.1 | 481.8 |
| 40° | 565.6 | 519.5 | 480.9 | 452.5 | 433.1 | 419.1 | 418.9 |
| 42.5° | 500.3 | 456.2 | 419.9 | 399.5 | 378.6 | 369.3 | 369.3 |
| 45° | 409.7 | 374.4 | 343.6 | 327.5 | 315.0 | 307.4 | 305.3 |
| 47.5° | 339.2 | 310.0 | 289.5 | 276.7 | 266.5 | 261.7 | 258.5 |
| 50° | 299.6 | 274.1 | 257.7 | 246.6 | 240.9 | 234.8 | 234.3 |
| 52.5° | 266.7 | 246.0 | 233.3 | 224.3 | 217.1 | 213.4 | 213.5 |
| 55° | 224.1 | 207.8 | 198.8 | 191.9 | 186.3 | 183.4 | 182.2 |
| 57.5° | 188.8 | 176.6 | 170.0 | 163.7 | 161.3 | 159.1 | 158.5 |
| 60° | 166.9 | 158.6 | 152.4 | 147.4 | 143.9 | 143.2 | 142.9 |
| 62.5° | 148.7 | 140.0 | 135.8 | 131.9 | 129.3 | 128.2 | 127.8 |
| 65° | 122.6 | 116.2 | 112.4 | 109.3 | 108.4 | 106.7 | 106.5 |
| 67.5° | 98.8 | 95.0 | 92.5 | 90.4 | 89.1 | 89.0 | 89.0 |
| 70° | 84.3 | 82.1 | 80.0 | 78.8 | 78.1 | 77.6 | 77.6 |
| 72.5° | 71.8 | 70.2 | 68.4 | 67.8 | 67.7 | 67.2 | 67.0 |
| 75° | 54.7 | 53.0 | 53.3 | 52.1 | 51.1 | 49.9 | 49.2 |
| 77.5° | 38.8 | 37.6 | 37.3 | 37.2 | 36.4 | 36.3 | 36.6 |
| 80° | 30.1 | 28.9 | 28.6 | 28.9 | 28.6 | 27.9 | 27.9 |
| 82.5° | 22.9 | 21.9 | 21.6 | 21.5 | 21.3 | 21.5 | 21.1 |
| 85° | 12.3 | 11.8 | 11.8 | 11.8 | 12.3 | 12.1 | 11.8 |
| 87.5° | 7.3 | 7.3 | 7.6 | 7.4 | 7.5 | 7.3 | 7.6 |
| 90° | 14.8 | 15.6 | 16.1 | 16.4 | 16.6 | 16.9 | 17.1 |
| 92.5° | 14.4 | 15.1 | 15.5 | 15.6 | 15.6 | 15.7 | 15.7 |
| 95° | 14.8 | 15.6 | 16.0 | 16.2 | 16.3 | 16.4 | 16.5 |
| 97.5° | 15.3 | 15.4 | 15.5 | 15.6 | 15.7 | 15.8 | 16.0 |
| 100° | 18.6 | 16.5 | 15.5 | 15.6 | 15.7 | 15.8 | 16.0 |
| 102.5° | 51.2 | 27.9 | 16.3 | 16.4 | 16.4 | 16.4 | 16.4 |
| 105° | 181.4 | 182.5 | 180.8 | 176.3 | 171.7 | 167.1 | 162.6 |
| 107.5° | 223.6 | 224.1 | 224.6 | 225.1 | 225.6 | 226.1 | 226.6 |
| 110° | 252.3 | 252.6 | 252.9 | 253.3 | 253.6 | 254.0 | 254.4 |



TEST NUMBER: P332871

CATALOG NUMBER: SA4XXRDIP-C350D590U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 280.2 | 280.1 | 280.3 | 280.8 | 281.3 | 281.8 | 282.2 |
| 115° | 322.5 | 322.7 | 322.9 | 322.9 | 322.9 | 322.9 | 322.9 |
| 117.5° | 364.5 | 364.4 | 364.4 | 364.3 | 364.3 | 364.2 | 364.2 |
| 120° | 390.9 | 391.2 | 391.2 | 390.9 | 390.7 | 390.4 | 390.2 |
| 122.5° | 416.6 | 416.8 | 416.7 | 416.5 | 416.2 | 416.0 | 415.7 |
| 125° | 452.9 | 453.3 | 453.6 | 453.7 | 453.8 | 453.9 | 454.1 |
| 127.5° | 488.3 | 488.2 | 488.1 | 488.0 | 487.9 | 487.8 | 487.7 |
| 130° | 510.3 | 510.5 | 510.5 | 510.5 | 510.5 | 510.5 | 510.5 |
| 132.5° | 531.8 | 531.9 | 531.9 | 531.8 | 531.7 | 531.6 | 531.5 |
| 135° | 561.5 | 561.7 | 562.0 | 562.2 | 562.5 | 562.8 | 563.0 |
| 137.5° | 589.9 | 590.1 | 590.2 | 590.2 | 590.1 | 590.0 | 589.9 |
| 140° | 607.5 | 607.9 | 608.1 | 608.3 | 608.4 | 608.5 | 608.6 |
| 142.5° | 623.6 | 623.9 | 624.1 | 624.1 | 624.1 | 624.1 | 624.2 |
| 145° | 646.7 | 646.8 | 647.0 | 647.2 | 647.5 | 647.8 | 648.0 |
| 147.5° | 667.0 | 667.1 | 667.2 | 667.4 | 667.5 | 667.6 | 667.7 |
| 150° | 679.9 | 679.9 | 680.0 | 680.1 | 680.3 | 680.4 | 680.5 |
| 152.5° | 691.5 | 691.7 | 691.8 | 691.7 | 691.6 | 691.5 | 691.5 |
| 155° | 707.1 | 707.6 | 707.7 | 707.3 | 706.9 | 706.6 | 706.2 |
| 157.5° | 720.5 | 721.1 | 721.1 | 720.5 | 719.8 | 719.2 | 718.5 |
| 160° | 729.0 | 729.8 | 729.8 | 729.0 | 728.2 | 727.5 | 726.7 |
| 162.5° | 735.8 | 736.6 | 736.6 | 735.7 | 734.8 | 734.0 | 733.1 |
| 165° | 745.7 | 746.8 | 746.7 | 745.5 | 744.4 | 743.3 | 742.1 |
| 167.5° | 752.9 | 754.0 | 753.9 | 752.7 | 751.4 | 750.1 | 748.9 |
| 170° | 757.1 | 758.2 | 758.0 | 756.8 | 755.5 | 754.2 | 753.0 |
| 172.5° | 759.9 | 760.9 | 760.7 | 759.4 | 758.0 | 756.6 | 755.2 |
| 175° | 763.2 | 764.4 | 764.2 | 762.7 | 761.1 | 759.6 | 758.1 |
| 177.5° | 764.2 | 765.0 | 764.8 | 763.6 | 762.4 | 761.1 | 759.9 |
| 180° | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 | 762.7 |

(END OF REPORT)