

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: P332500-940

Luminaire Tested: **SA4XXDIP-C350D590U940-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332500-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-C350D590U940-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

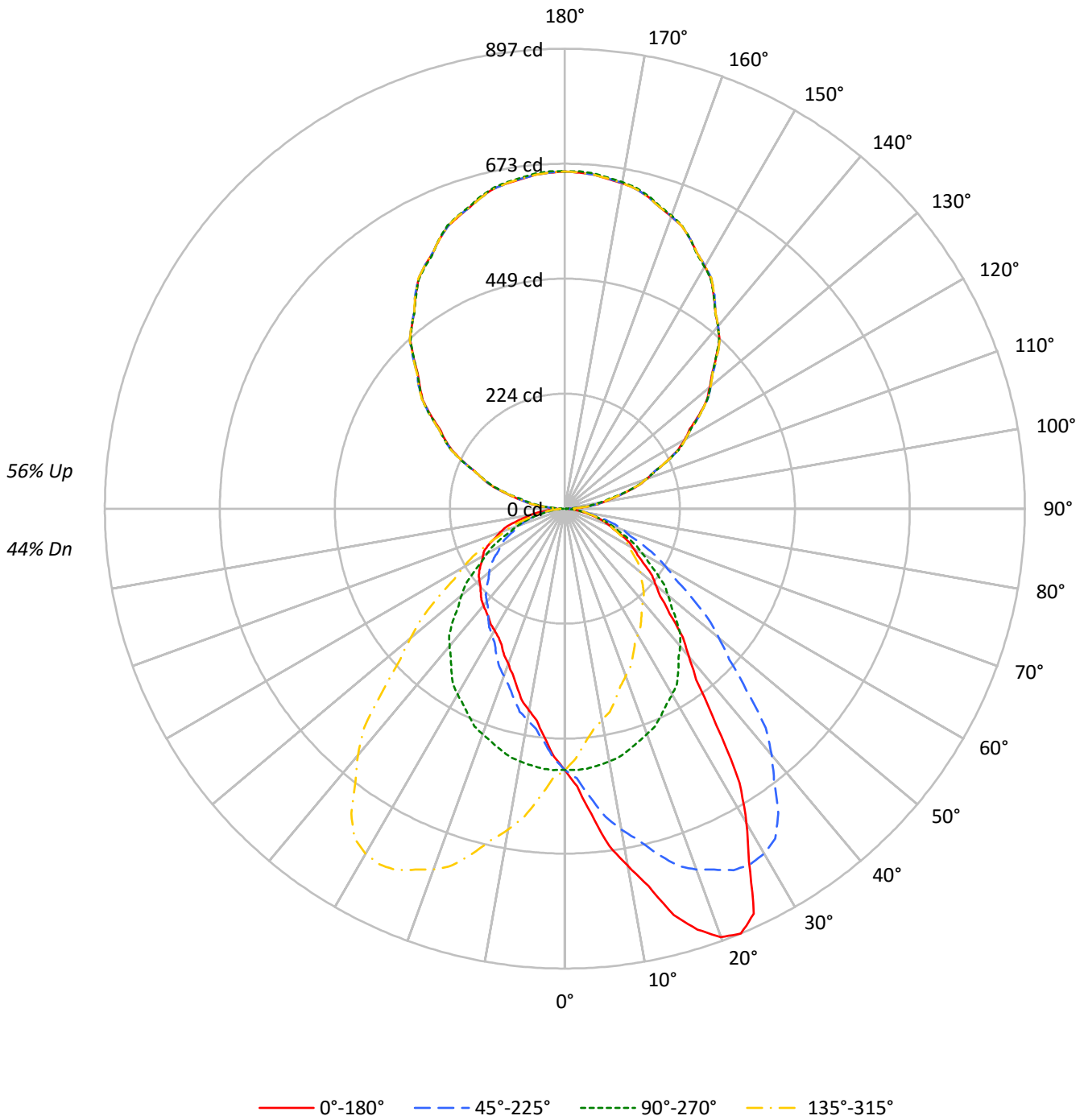
Lumens per Lamp: N/A
Luminaire Lumens: 3232.0 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

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: P332500-940
CATALOG NUMBER: SA4XXDIP-C350D590U940-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P332500-940

CATALOG NUMBER: SA4XXDIP-C350D590U940-4F0-1E-UDD-A1

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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 64 | 64 | 64 | 50 | 50 | 50 | 44 |
| 1 | 97 | 92 | 89 | 85 | 88 | 85 | 81 | 78 | 70 | 68 | 66 | 57 | 55 | 54 | 45 | 44 | 43 | 37 |
| 2 | 88 | 81 | 75 | 70 | 80 | 74 | 69 | 65 | 62 | 58 | 55 | 50 | 48 | 45 | 40 | 38 | 36 | 31 |
| 3 | 80 | 71 | 64 | 58 | 73 | 65 | 59 | 54 | 55 | 50 | 46 | 44 | 41 | 39 | 35 | 33 | 31 | 27 |
| 4 | 74 | 63 | 55 | 49 | 67 | 58 | 51 | 46 | 49 | 44 | 40 | 40 | 36 | 33 | 32 | 29 | 27 | 23 |
| 5 | 68 | 56 | 48 | 42 | 62 | 52 | 45 | 40 | 44 | 38 | 34 | 36 | 32 | 29 | 28 | 26 | 24 | 20 |
| 6 | 62 | 50 | 43 | 37 | 57 | 47 | 40 | 34 | 39 | 34 | 30 | 32 | 28 | 25 | 26 | 23 | 21 | 18 |
| 7 | 58 | 46 | 38 | 32 | 53 | 42 | 35 | 30 | 36 | 30 | 26 | 29 | 25 | 22 | 24 | 21 | 19 | 16 |
| 8 | 53 | 41 | 34 | 29 | 49 | 38 | 32 | 27 | 32 | 27 | 23 | 27 | 23 | 20 | 22 | 19 | 17 | 14 |
| 9 | 50 | 38 | 30 | 25 | 46 | 35 | 28 | 24 | 30 | 25 | 21 | 25 | 21 | 18 | 20 | 17 | 15 | 13 |
| 10 | 46 | 35 | 27 | 23 | 43 | 32 | 26 | 21 | 27 | 22 | 19 | 23 | 19 | 16 | 19 | 16 | 14 | 12 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|------|------|------|------|
| 0° | 4112 | 4112 | 4112 | 4112 |
| 5° | 4843 | 4123 | 3639 | 4123 |
| 10° | 5799 | 4105 | 3277 | 4105 |
| 15° | 6861 | 4064 | 3010 | 4064 |
| 20° | 7640 | 4021 | 2770 | 4021 |
| 25° | 7764 | 3958 | 2605 | 3958 |
| 30° | 6605 | 3899 | 2553 | 3899 |
| 35° | 5078 | 3802 | 2553 | 3802 |
| 40° | 3959 | 3687 | 2602 | 3687 |
| 45° | 3301 | 3515 | 2646 | 3515 |
| 50° | 2905 | 3304 | 2735 | 3304 |
| 55° | 2662 | 3054 | 2846 | 3054 |
| 60° | 2493 | 2827 | 2977 | 2827 |
| 65° | 2321 | 2575 | 3089 | 2575 |
| 70° | 2122 | 2325 | 3158 | 2325 |
| 75° | 1896 | 2046 | 3119 | 2046 |
| 80° | 1590 | 1678 | 3022 | 1678 |
| 85° | 1176 | 1213 | 2890 | 1213 |



TEST NUMBER: P332500-940

CATALOG NUMBER: SA4XXDIP-C350D590U940-4F0-1E-UDD-A1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 49.6 | 1.5 |
| 10°-20° | 153.0 | 4.7 |
| 20°-30° | 242.6 | 7.5 |
| 30°-40° | 270.0 | 8.4 |
| 40°-50° | 245.7 | 7.6 |
| 50°-60° | 200.8 | 6.2 |
| 60°-70° | 143.4 | 4.4 |
| 70°-80° | 78.9 | 2.4 |
| 80°-90° | 23.5 | 0.7 |
| 90°-100° | 43.4 | 1.3 |
| 100°-110° | 128.5 | 4.0 |
| 110°-120° | 218.1 | 6.7 |
| 120°-130° | 287.6 | 8.9 |
| 130°-140° | 322.9 | 10.0 |
| 140°-150° | 317.3 | 9.8 |
| 150°-160° | 266.9 | 8.3 |
| 160°-170° | 177.6 | 5.5 |
| 170°-180° | 62.2 | 1.9 |
| 0°-30° | 445.2 | 13.8 |
| 0°-40° | 715.2 | 22.1 |
| 0°-60° | 1161.7 | 35.9 |
| 0°-90° | 1407.6 | 43.6 |
| 90°-120° | 389.9 | 12.1 |
| 90°-150° | 1317.8 | 40.8 |
| 90°-180° | 1824.0 | 56.4 |
| 0°-180° | 3232.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0° | 509 | 509 | 509 | 509 | 509 | |
| 5° | 598 | 509 | 449 | 509 | 598 | 61 |
| 15° | 821 | 486 | 360 | 486 | 821 | 232 |
| 25° | 872 | 444 | 292 | 444 | 872 | 384 |
| 35° | 515 | 386 | 259 | 386 | 515 | 327 |
| 45° | 289 | 308 | 232 | 308 | 289 | 228 |
| 55° | 189 | 217 | 202 | 217 | 189 | 171 |
| 65° | 122 | 135 | 162 | 135 | 122 | 120 |
| 75° | 61 | 66 | 100 | 66 | 61 | 65 |
| 85° | 13 | 13 | 31 | 13 | 13 | 16 |
| 90° | 15 | 2 | 15 | 2 | 15 | 8 |
| 95° | 40 | 30 | 40 | 30 | 40 | 42 |
| 105° | 124 | 118 | 124 | 118 | 124 | 131 |
| 115° | 220 | 222 | 220 | 222 | 220 | 217 |
| 125° | 320 | 323 | 320 | 323 | 320 | 286 |
| 135° | 417 | 416 | 417 | 416 | 417 | 322 |
| 145° | 507 | 506 | 507 | 506 | 507 | 317 |
| 155° | 579 | 580 | 579 | 580 | 579 | 267 |
| 165° | 630 | 631 | 630 | 631 | 630 | 177 |
| 175° | 654 | 657 | 654 | 657 | 654 | 62 |
| 180° | 658 | 658 | 658 | 658 | 658 | |



TEST NUMBER: P332500-940

CATALOG NUMBER: SA4XXDIP-C350D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 |
| 2.5° | 542.2 | 542.1 | 540.4 | 540.0 | 538.9 | 537.3 | 537.0 | 534.2 | 528.9 | 526.3 | 525.7 |
| 5° | 597.6 | 601.9 | 596.4 | 595.3 | 594.7 | 587.7 | 584.2 | 580.0 | 570.2 | 564.5 | 560.1 |
| 7.5° | 663.9 | 664.3 | 661.9 | 660.0 | 654.6 | 648.5 | 639.4 | 629.7 | 618.1 | 606.2 | 597.1 |
| 10° | 707.4 | 709.1 | 706.3 | 706.0 | 695.2 | 688.4 | 674.9 | 663.5 | 650.4 | 635.9 | 622.6 |
| 12.5° | 753.3 | 751.0 | 749.6 | 740.6 | 738.5 | 726.2 | 710.5 | 698.8 | 678.6 | 661.8 | 644.2 |
| 15° | 820.9 | 816.3 | 813.3 | 800.9 | 794.8 | 777.7 | 761.0 | 748.1 | 721.8 | 696.6 | 677.6 |
| 17.5° | 860.6 | 865.2 | 858.4 | 853.3 | 837.5 | 825.5 | 808.4 | 781.4 | 760.8 | 729.6 | 705.6 |
| 20° | 889.3 | 889.7 | 885.9 | 880.7 | 868.3 | 853.0 | 834.5 | 804.9 | 780.2 | 749.2 | 716.2 |
| 22.5° | 897.1 | 897.2 | 895.5 | 890.6 | 881.2 | 868.9 | 850.2 | 825.5 | 795.6 | 761.9 | 728.9 |
| 25° | 871.6 | 870.8 | 872.6 | 878.2 | 874.6 | 870.8 | 860.0 | 841.6 | 813.8 | 778.1 | 742.6 |
| 27.5° | 776.9 | 782.7 | 793.4 | 806.9 | 819.9 | 829.8 | 832.6 | 828.8 | 811.6 | 782.3 | 745.1 |
| 30° | 708.6 | 715.9 | 723.9 | 737.4 | 763.6 | 778.6 | 795.0 | 807.4 | 800.5 | 777.0 | 742.4 |
| 32.5° | 633.7 | 635.5 | 647.4 | 662.7 | 686.7 | 715.5 | 741.6 | 767.0 | 775.3 | 763.0 | 734.1 |
| 35° | 515.3 | 518.4 | 531.2 | 546.4 | 575.7 | 611.0 | 650.2 | 685.3 | 714.2 | 725.8 | 711.0 |
| 37.5° | 420.5 | 429.0 | 438.1 | 454.4 | 480.3 | 512.0 | 552.8 | 598.2 | 641.2 | 670.1 | 675.0 |
| 40° | 375.7 | 380.9 | 387.4 | 399.9 | 421.9 | 453.1 | 488.1 | 540.0 | 585.9 | 627.2 | 640.7 |
| 42.5° | 340.2 | 343.3 | 347.3 | 358.6 | 375.2 | 406.4 | 438.4 | 484.0 | 529.9 | 579.4 | 602.1 |
| 45° | 289.1 | 292.3 | 299.1 | 305.6 | 318.3 | 339.7 | 369.5 | 407.1 | 453.3 | 501.0 | 542.8 |
| 47.5° | 252.3 | 254.2 | 258.2 | 265.3 | 276.1 | 290.3 | 314.4 | 345.8 | 388.6 | 435.0 | 479.5 |
| 50° | 231.3 | 233.0 | 236.1 | 242.5 | 250.7 | 263.4 | 283.2 | 312.5 | 346.1 | 392.7 | 436.4 |
| 52.5° | 214.7 | 215.4 | 217.8 | 222.0 | 228.6 | 239.2 | 255.6 | 279.8 | 311.0 | 352.6 | 396.1 |
| 55° | 189.1 | 189.9 | 192.1 | 195.2 | 200.9 | 207.7 | 220.1 | 238.3 | 265.5 | 301.6 | 339.4 |
| 57.5° | 168.0 | 168.6 | 170.3 | 171.6 | 176.3 | 181.7 | 191.4 | 204.3 | 224.9 | 255.6 | 289.3 |
| 60° | 154.4 | 154.1 | 156.1 | 157.2 | 160.4 | 165.1 | 172.5 | 184.9 | 202.8 | 227.5 | 258.5 |
| 62.5° | 141.3 | 140.7 | 142.5 | 143.9 | 145.7 | 149.6 | 155.7 | 165.4 | 180.0 | 202.3 | 229.2 |
| 65° | 121.5 | 120.7 | 121.8 | 123.5 | 125.1 | 127.2 | 131.7 | 140.4 | 151.9 | 168.0 | 188.4 |
| 67.5° | 101.7 | 102.6 | 102.8 | 103.6 | 104.6 | 107.5 | 110.5 | 116.6 | 124.8 | 137.7 | 155.0 |
| 70° | 89.9 | 90.2 | 91.0 | 91.0 | 91.6 | 94.2 | 96.7 | 100.2 | 108.3 | 120.1 | 134.2 |
| 72.5° | 78.1 | 79.0 | 78.6 | 79.3 | 79.8 | 81.5 | 83.3 | 86.8 | 93.5 | 102.4 | 114.3 |
| 75° | 60.8 | 61.4 | 61.4 | 61.6 | 62.2 | 62.9 | 64.4 | 66.9 | 71.8 | 78.3 | 86.5 |
| 77.5° | 44.3 | 44.4 | 44.7 | 45.5 | 45.5 | 46.5 | 47.5 | 49.6 | 52.0 | 56.4 | 61.5 |
| 80° | 34.2 | 34.6 | 34.4 | 34.9 | 34.9 | 35.7 | 36.1 | 38.6 | 39.7 | 42.6 | 46.6 |
| 82.5° | 25.1 | 25.5 | 25.4 | 26.0 | 26.4 | 26.6 | 27.1 | 28.2 | 29.2 | 31.8 | 33.4 |
| 85° | 12.7 | 13.1 | 12.7 | 13.1 | 13.7 | 13.9 | 14.5 | 14.8 | 15.6 | 16.2 | 17.7 |
| 87.5° | 6.8 | 7.2 | 7.2 | 7.3 | 7.6 | 7.7 | 7.7 | 7.4 | 7.9 | 7.9 | 8.5 |
| 90° | 15.2 | 15.1 | 14.8 | 14.6 | 14.4 | 13.9 | 13.2 | 12.6 | 11.9 | 11.1 | 10.3 |
| 92.5° | 22.6 | 22.5 | 22.3 | 22.2 | 22.0 | 21.8 | 21.4 | 21.0 | 20.5 | 20.2 | 19.5 |
| 95° | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.0 | 39.7 | 39.3 | 39.0 | 38.6 | 37.9 |
| 97.5° | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 62.8 | 62.3 | 62.0 | 61.5 | 61.2 | 60.2 |
| 100° | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.7 | 78.5 | 78.3 | 78.0 | 77.8 | 76.8 |
| 102.5° | 96.8 | 96.7 | 96.6 | 96.5 | 96.4 | 96.1 | 95.9 | 95.5 | 95.2 | 94.9 | 94.0 |
| 105° | 124.1 | 123.8 | 123.4 | 123.1 | 122.7 | 122.4 | 122.1 | 121.7 | 121.4 | 121.0 | 120.6 |
| 107.5° | 150.8 | 150.8 | 150.8 | 150.8 | 150.9 | 150.7 | 150.3 | 150.1 | 149.7 | 149.5 | 149.4 |
| 110° | 169.9 | 169.5 | 169.2 | 168.9 | 168.5 | 168.4 | 168.7 | 168.9 | 169.2 | 169.3 | 169.5 |



TEST NUMBER: P332500-940

CATALOG NUMBER: SA4XXDIP-C350D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 189.4 | 189.3 | 189.2 | 189.2 | 189.1 | 189.1 | 189.1 | 189.2 | 189.2 | 189.3 | 189.5 |
| 115° | 219.7 | 219.8 | 219.9 | 220.1 | 220.2 | 220.3 | 220.4 | 220.5 | 220.6 | 220.7 | 221.0 |
| 117.5° | 248.6 | 248.8 | 249.1 | 249.2 | 249.5 | 249.8 | 250.2 | 250.6 | 250.9 | 251.4 | 251.5 |
| 120° | 270.5 | 270.4 | 270.1 | 269.9 | 269.7 | 269.8 | 270.4 | 271.0 | 271.5 | 272.1 | 272.4 |
| 122.5° | 288.9 | 289.3 | 289.7 | 290.1 | 290.5 | 290.9 | 291.3 | 291.7 | 292.0 | 292.5 | 292.6 |
| 125° | 320.4 | 320.7 | 320.8 | 321.1 | 321.3 | 321.6 | 321.7 | 322.0 | 322.2 | 322.4 | 322.5 |
| 127.5° | 349.6 | 349.8 | 350.0 | 350.2 | 350.4 | 350.5 | 350.8 | 351.0 | 351.2 | 351.4 | 351.6 |
| 130° | 368.7 | 369.2 | 369.6 | 370.1 | 370.5 | 370.9 | 371.1 | 371.3 | 371.6 | 371.8 | 371.8 |
| 132.5° | 389.1 | 389.2 | 389.4 | 389.6 | 389.8 | 390.0 | 390.2 | 390.5 | 390.7 | 390.9 | 391.0 |
| 135° | 417.1 | 417.4 | 417.7 | 418.0 | 418.4 | 418.7 | 418.9 | 419.1 | 419.4 | 419.5 | 419.5 |
| 137.5° | 446.5 | 446.4 | 446.3 | 446.2 | 446.1 | 446.3 | 446.6 | 446.8 | 447.2 | 447.5 | 447.3 |
| 140° | 464.3 | 464.5 | 464.6 | 464.7 | 464.8 | 464.9 | 465.0 | 465.1 | 465.2 | 465.4 | 465.4 |
| 142.5° | 482.2 | 482.2 | 482.3 | 482.3 | 482.3 | 482.3 | 482.4 | 482.4 | 482.4 | 482.4 | 482.5 |
| 145° | 506.6 | 506.8 | 507.2 | 507.6 | 507.9 | 508.1 | 508.3 | 508.4 | 508.5 | 508.5 | 508.5 |
| 147.5° | 531.2 | 531.3 | 531.4 | 531.5 | 531.6 | 531.7 | 531.8 | 531.9 | 532.0 | 532.1 | 532.2 |
| 150° | 546.3 | 546.4 | 546.4 | 546.5 | 546.7 | 546.7 | 546.7 | 546.7 | 546.7 | 546.7 | 546.7 |
| 152.5° | 560.1 | 560.4 | 560.6 | 561.0 | 561.2 | 561.2 | 561.0 | 560.7 | 560.4 | 560.2 | 560.1 |
| 155° | 579.3 | 579.7 | 580.1 | 580.6 | 581.1 | 581.1 | 580.6 | 580.1 | 579.7 | 579.3 | 579.4 |
| 157.5° | 596.5 | 596.8 | 597.3 | 597.6 | 598.0 | 598.1 | 597.7 | 597.4 | 597.0 | 596.6 | 596.7 |
| 160° | 606.3 | 606.8 | 607.3 | 608.0 | 608.5 | 608.6 | 608.2 | 608.0 | 607.6 | 607.3 | 607.3 |
| 162.5° | 616.4 | 617.0 | 617.5 | 618.1 | 618.7 | 618.7 | 618.0 | 617.4 | 616.8 | 616.2 | 616.4 |
| 165° | 629.6 | 630.1 | 630.5 | 631.0 | 631.4 | 631.3 | 630.6 | 630.0 | 629.3 | 628.7 | 628.8 |
| 167.5° | 639.1 | 639.8 | 640.5 | 641.2 | 641.9 | 641.9 | 641.2 | 640.5 | 639.9 | 639.2 | 639.2 |
| 170° | 644.4 | 645.2 | 646.0 | 646.8 | 647.6 | 647.6 | 646.9 | 646.2 | 645.6 | 644.9 | 644.8 |
| 172.5° | 648.9 | 649.6 | 650.4 | 651.2 | 652.0 | 652.0 | 651.3 | 650.5 | 649.7 | 649.0 | 648.9 |
| 175° | 653.5 | 654.3 | 655.1 | 655.9 | 656.7 | 656.7 | 655.9 | 655.1 | 654.3 | 653.5 | 653.6 |
| 177.5° | 655.9 | 656.7 | 657.5 | 658.2 | 658.9 | 658.9 | 658.3 | 657.6 | 657.0 | 656.4 | 656.4 |
| 180° | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 |



TEST NUMBER: P332500-940

CATALOG NUMBER: SA4XXDIP-C350D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 |
| 2.5° | 525.8 | 523.4 | 521.7 | 520.4 | 516.7 | 514.5 | 512.8 | 510.5 | 507.7 | 504.9 | 501.3 |
| 5° | 555.6 | 548.5 | 543.2 | 535.2 | 527.6 | 521.3 | 514.7 | 508.8 | 501.7 | 493.8 | 488.1 |
| 7.5° | 587.0 | 576.3 | 562.7 | 550.8 | 537.4 | 525.8 | 515.5 | 504.9 | 493.8 | 483.0 | 473.2 |
| 10° | 607.0 | 593.3 | 578.0 | 560.1 | 543.2 | 528.2 | 514.3 | 500.8 | 487.7 | 474.7 | 463.4 |
| 12.5° | 628.4 | 611.3 | 588.8 | 567.8 | 548.9 | 528.9 | 512.1 | 495.5 | 479.7 | 466.0 | 453.0 |
| 15° | 657.2 | 632.5 | 606.5 | 578.5 | 553.6 | 530.1 | 507.1 | 486.2 | 468.5 | 450.3 | 437.7 |
| 17.5° | 674.8 | 644.3 | 614.7 | 585.3 | 555.2 | 525.6 | 500.8 | 476.7 | 454.5 | 436.5 | 420.5 |
| 20° | 686.5 | 656.1 | 619.2 | 589.9 | 554.0 | 523.6 | 494.9 | 468.1 | 444.9 | 425.7 | 409.2 |
| 22.5° | 696.6 | 661.6 | 624.6 | 585.9 | 550.3 | 518.0 | 486.6 | 459.7 | 436.0 | 415.7 | 399.9 |
| 25° | 702.1 | 661.8 | 621.7 | 583.3 | 542.8 | 504.6 | 476.1 | 444.4 | 419.1 | 397.8 | 380.9 |
| 27.5° | 702.8 | 659.6 | 614.2 | 571.6 | 529.8 | 494.2 | 458.3 | 429.9 | 403.7 | 381.1 | 364.9 |
| 30° | 700.9 | 655.9 | 607.2 | 561.0 | 519.0 | 480.4 | 449.1 | 418.3 | 391.5 | 369.1 | 352.2 |
| 32.5° | 694.9 | 648.2 | 598.1 | 549.1 | 505.6 | 467.8 | 435.6 | 406.3 | 380.1 | 358.1 | 340.4 |
| 35° | 677.9 | 631.6 | 578.3 | 527.4 | 482.9 | 444.7 | 415.5 | 385.8 | 359.6 | 338.8 | 321.6 |
| 37.5° | 651.1 | 609.4 | 555.1 | 502.5 | 458.7 | 420.4 | 391.5 | 364.6 | 341.0 | 319.8 | 302.3 |
| 40° | 627.9 | 591.1 | 536.6 | 485.4 | 438.1 | 401.6 | 374.6 | 349.9 | 326.5 | 306.4 | 289.7 |
| 42.5° | 601.0 | 569.0 | 518.8 | 464.5 | 418.8 | 382.2 | 355.9 | 333.7 | 311.7 | 293.1 | 276.4 |
| 45° | 553.1 | 532.0 | 484.7 | 434.5 | 387.0 | 352.4 | 327.3 | 307.9 | 289.4 | 271.2 | 257.3 |
| 47.5° | 498.1 | 487.6 | 447.8 | 400.1 | 355.1 | 320.9 | 299.2 | 281.2 | 264.9 | 249.6 | 237.3 |
| 50° | 461.1 | 456.0 | 421.7 | 375.7 | 332.6 | 300.5 | 278.6 | 263.1 | 249.2 | 235.8 | 224.1 |
| 52.5° | 424.6 | 424.5 | 393.4 | 351.3 | 311.5 | 280.6 | 258.8 | 244.4 | 232.4 | 221.4 | 211.0 |
| 55° | 368.9 | 374.8 | 350.5 | 313.0 | 277.3 | 249.4 | 229.8 | 217.0 | 208.5 | 199.5 | 191.6 |
| 57.5° | 317.7 | 327.5 | 307.5 | 274.4 | 244.6 | 219.0 | 201.9 | 192.3 | 183.2 | 177.7 | 172.0 |
| 60° | 284.3 | 293.6 | 277.9 | 250.1 | 222.0 | 200.1 | 183.8 | 175.1 | 167.4 | 163.5 | 159.5 |
| 62.5° | 254.6 | 262.8 | 251.3 | 225.4 | 201.1 | 179.9 | 166.2 | 157.9 | 152.7 | 148.6 | 145.9 |
| 65° | 212.1 | 219.1 | 209.1 | 190.4 | 169.4 | 152.6 | 141.4 | 134.8 | 129.8 | 128.1 | 125.1 |
| 67.5° | 171.5 | 177.8 | 172.5 | 156.5 | 139.7 | 126.9 | 118.2 | 111.9 | 108.9 | 107.5 | 105.3 |
| 70° | 147.3 | 153.6 | 147.9 | 134.0 | 121.1 | 110.4 | 102.1 | 98.5 | 95.4 | 94.8 | 91.8 |
| 72.5° | 126.9 | 131.2 | 125.5 | 114.6 | 103.6 | 94.5 | 88.1 | 84.4 | 82.8 | 81.6 | 80.0 |
| 75° | 95.1 | 99.0 | 95.1 | 86.8 | 78.9 | 72.6 | 67.1 | 65.6 | 63.8 | 63.1 | 62.1 |
| 77.5° | 67.3 | 70.6 | 67.8 | 62.5 | 56.6 | 51.7 | 48.8 | 46.9 | 46.5 | 45.4 | 45.9 |
| 80° | 51.5 | 53.6 | 50.8 | 47.3 | 42.6 | 39.2 | 37.2 | 36.1 | 34.9 | 34.4 | 35.2 |
| 82.5° | 37.0 | 37.9 | 36.5 | 34.1 | 30.7 | 28.4 | 27.0 | 25.8 | 25.5 | 25.6 | 25.6 |
| 85° | 19.2 | 19.0 | 18.8 | 16.7 | 15.6 | 14.2 | 13.3 | 13.1 | 12.8 | 13.3 | 13.7 |
| 87.5° | 8.3 | 8.3 | 7.9 | 7.0 | 6.2 | 5.5 | 5.1 | 4.7 | 5.1 | 5.5 | 6.0 |
| 90° | 9.4 | 8.5 | 7.6 | 6.5 | 5.3 | 4.0 | 2.8 | 1.5 | 2.8 | 4.0 | 5.3 |
| 92.5° | 18.9 | 18.3 | 17.6 | 16.6 | 15.2 | 13.7 | 12.3 | 10.9 | 12.3 | 13.7 | 15.2 |
| 95° | 37.1 | 36.3 | 35.5 | 34.6 | 33.5 | 32.5 | 31.6 | 30.5 | 31.6 | 32.5 | 33.5 |
| 97.5° | 59.3 | 58.3 | 57.4 | 56.5 | 55.7 | 54.9 | 54.1 | 53.3 | 54.1 | 54.9 | 55.7 |
| 100° | 75.8 | 74.7 | 73.7 | 73.0 | 72.6 | 72.1 | 71.7 | 71.2 | 71.7 | 72.1 | 72.6 |
| 102.5° | 93.0 | 92.1 | 91.2 | 90.6 | 90.4 | 90.2 | 90.1 | 89.9 | 90.1 | 90.2 | 90.4 |
| 105° | 120.1 | 119.7 | 119.2 | 119.0 | 118.9 | 118.7 | 118.6 | 118.5 | 118.6 | 118.7 | 118.9 |
| 107.5° | 149.3 | 149.2 | 149.2 | 149.1 | 148.9 | 148.7 | 148.6 | 148.5 | 148.6 | 148.7 | 148.9 |
| 110° | 169.6 | 169.7 | 169.8 | 169.8 | 169.5 | 169.3 | 169.1 | 168.9 | 169.1 | 169.3 | 169.5 |



TEST NUMBER: P332500-940

CATALOG NUMBER: SA4XXDIP-C350D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 189.7 | 189.9 | 190.1 | 190.2 | 190.1 | 190.1 | 190.0 | 190.0 | 190.0 | 190.1 | 190.1 |
| 115° | 221.1 | 221.4 | 221.6 | 221.8 | 221.8 | 221.8 | 221.8 | 221.8 | 221.8 | 221.8 | 221.8 |
| 117.5° | 251.6 | 251.8 | 252.0 | 252.0 | 251.9 | 251.8 | 251.7 | 251.6 | 251.7 | 251.8 | 251.9 |
| 120° | 272.8 | 273.1 | 273.5 | 273.4 | 273.0 | 272.5 | 272.1 | 271.6 | 272.1 | 272.5 | 273.0 |
| 122.5° | 292.7 | 292.9 | 293.1 | 293.0 | 292.8 | 292.7 | 292.5 | 292.3 | 292.5 | 292.7 | 292.8 |
| 125° | 322.7 | 322.8 | 322.9 | 323.0 | 323.0 | 323.0 | 323.0 | 323.0 | 323.0 | 323.0 | 323.0 |
| 127.5° | 351.8 | 352.0 | 352.1 | 352.0 | 351.8 | 351.4 | 351.1 | 350.7 | 351.1 | 351.4 | 351.8 |
| 130° | 371.8 | 371.8 | 371.8 | 371.6 | 371.3 | 371.0 | 370.6 | 370.2 | 370.6 | 371.0 | 371.3 |
| 132.5° | 391.1 | 391.2 | 391.3 | 391.2 | 390.9 | 390.7 | 390.5 | 390.2 | 390.5 | 390.7 | 390.9 |
| 135° | 419.5 | 419.5 | 419.5 | 419.3 | 418.6 | 417.9 | 417.2 | 416.5 | 417.2 | 417.9 | 418.6 |
| 137.5° | 447.1 | 446.9 | 446.7 | 446.5 | 446.1 | 445.9 | 445.5 | 445.2 | 445.5 | 445.9 | 446.1 |
| 140° | 465.4 | 465.4 | 465.4 | 465.2 | 465.0 | 464.8 | 464.6 | 464.3 | 464.6 | 464.8 | 465.0 |
| 142.5° | 482.6 | 482.7 | 482.8 | 482.8 | 482.5 | 482.3 | 482.1 | 481.8 | 482.1 | 482.3 | 482.5 |
| 145° | 508.4 | 508.3 | 508.1 | 507.8 | 507.4 | 506.9 | 506.5 | 506.0 | 506.5 | 506.9 | 507.4 |
| 147.5° | 532.3 | 532.4 | 532.4 | 532.3 | 531.6 | 531.1 | 530.6 | 530.0 | 530.6 | 531.1 | 531.6 |
| 150° | 546.7 | 546.7 | 546.7 | 546.5 | 546.1 | 545.6 | 545.2 | 544.7 | 545.2 | 545.6 | 546.1 |
| 152.5° | 560.0 | 559.9 | 559.8 | 559.6 | 559.4 | 559.1 | 558.8 | 558.6 | 558.8 | 559.1 | 559.4 |
| 155° | 579.5 | 579.6 | 579.7 | 579.8 | 579.8 | 579.8 | 579.8 | 579.8 | 579.8 | 579.8 | 579.8 |
| 157.5° | 596.7 | 596.7 | 596.7 | 596.9 | 597.1 | 597.3 | 597.4 | 597.7 | 597.4 | 597.3 | 597.1 |
| 160° | 607.5 | 607.6 | 607.7 | 607.8 | 608.0 | 608.1 | 608.1 | 608.2 | 608.1 | 608.1 | 608.0 |
| 162.5° | 616.4 | 616.5 | 616.6 | 616.9 | 617.2 | 617.4 | 617.8 | 618.0 | 617.8 | 617.4 | 617.2 |
| 165° | 629.1 | 629.3 | 629.5 | 629.8 | 630.2 | 630.4 | 630.8 | 631.2 | 630.8 | 630.4 | 630.2 |
| 167.5° | 639.2 | 639.1 | 639.1 | 639.4 | 639.8 | 640.2 | 640.8 | 641.2 | 640.8 | 640.2 | 639.8 |
| 170° | 644.6 | 644.5 | 644.4 | 644.6 | 645.2 | 645.8 | 646.4 | 646.9 | 646.4 | 645.8 | 645.2 |
| 172.5° | 648.9 | 648.9 | 648.9 | 649.1 | 649.6 | 650.1 | 650.5 | 650.9 | 650.5 | 650.1 | 649.6 |
| 175° | 653.8 | 653.9 | 654.0 | 654.3 | 654.9 | 655.5 | 656.0 | 656.6 | 656.0 | 655.5 | 654.9 |
| 177.5° | 656.4 | 656.4 | 656.4 | 656.6 | 657.1 | 657.5 | 658.0 | 658.4 | 658.0 | 657.5 | 657.1 |
| 180° | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 |



TEST NUMBER: P332500-940

CATALOG NUMBER: SA4XXDIP-C350D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 |
| 2.5° | 499.6 | 498.1 | 496.0 | 492.9 | 490.4 | 487.7 | 487.0 | 486.0 | 488.0 | 486.3 | 485.8 |
| 5° | 483.3 | 478.8 | 473.1 | 466.6 | 462.8 | 457.4 | 456.3 | 454.1 | 452.0 | 451.8 | 449.7 |
| 7.5° | 465.9 | 459.4 | 451.9 | 445.3 | 439.2 | 433.1 | 429.2 | 428.4 | 425.3 | 423.4 | 421.3 |
| 10° | 454.8 | 446.7 | 438.1 | 431.8 | 424.6 | 418.3 | 413.8 | 411.3 | 409.2 | 406.9 | 404.7 |
| 12.5° | 441.7 | 433.1 | 426.0 | 419.1 | 410.6 | 405.8 | 398.5 | 394.1 | 393.7 | 393.7 | 388.3 |
| 15° | 426.3 | 417.9 | 406.9 | 397.2 | 392.5 | 383.3 | 379.2 | 374.2 | 371.0 | 367.8 | 365.3 |
| 17.5° | 408.8 | 398.2 | 389.7 | 378.5 | 369.7 | 362.3 | 357.0 | 354.0 | 349.2 | 344.7 | 341.5 |
| 20° | 397.8 | 386.6 | 377.6 | 365.7 | 356.1 | 347.0 | 342.5 | 338.3 | 334.7 | 330.9 | 327.3 |
| 22.5° | 386.6 | 375.0 | 363.9 | 352.4 | 343.4 | 333.8 | 329.5 | 323.8 | 320.4 | 318.3 | 314.7 |
| 25° | 369.1 | 356.4 | 343.8 | 332.8 | 323.5 | 315.0 | 309.4 | 305.0 | 301.1 | 299.4 | 297.1 |
| 27.5° | 350.0 | 337.4 | 325.2 | 312.7 | 302.2 | 296.0 | 291.5 | 288.2 | 286.0 | 283.7 | 282.7 |
| 30° | 337.9 | 324.8 | 311.7 | 300.1 | 290.4 | 284.3 | 280.1 | 277.8 | 276.1 | 275.0 | 273.9 |
| 32.5° | 325.6 | 312.6 | 298.9 | 288.3 | 279.6 | 274.1 | 270.9 | 268.6 | 267.8 | 267.4 | 267.0 |
| 35° | 305.8 | 292.7 | 280.1 | 270.5 | 262.3 | 260.2 | 257.4 | 256.2 | 255.7 | 257.3 | 257.9 |
| 37.5° | 286.7 | 274.6 | 262.9 | 253.7 | 248.3 | 245.2 | 244.2 | 244.3 | 245.8 | 247.1 | 248.6 |
| 40° | 274.4 | 262.5 | 251.6 | 243.5 | 238.4 | 236.6 | 236.1 | 237.2 | 238.9 | 240.4 | 242.1 |
| 42.5° | 262.3 | 250.7 | 240.8 | 233.3 | 229.7 | 227.9 | 228.2 | 229.3 | 231.7 | 233.4 | 235.9 |
| 45° | 243.8 | 234.1 | 224.4 | 218.2 | 215.3 | 215.7 | 215.7 | 217.6 | 219.9 | 222.7 | 225.4 |
| 47.5° | 226.2 | 216.4 | 208.5 | 203.3 | 201.8 | 201.4 | 202.6 | 205.1 | 208.4 | 211.8 | 215.6 |
| 50° | 214.5 | 205.1 | 198.1 | 193.5 | 191.8 | 192.4 | 194.1 | 196.4 | 200.5 | 204.7 | 208.7 |
| 52.5° | 202.4 | 193.9 | 187.5 | 183.2 | 182.0 | 183.2 | 184.9 | 188.5 | 192.1 | 196.6 | 201.4 |
| 55° | 183.8 | 176.6 | 171.6 | 168.4 | 168.0 | 168.6 | 170.5 | 174.5 | 179.6 | 185.3 | 189.9 |
| 57.5° | 165.3 | 159.3 | 154.6 | 152.5 | 152.7 | 153.3 | 156.4 | 161.1 | 166.6 | 172.6 | 178.6 |
| 60° | 152.8 | 147.3 | 143.5 | 141.8 | 142.0 | 143.3 | 147.1 | 151.5 | 158.3 | 164.2 | 170.5 |
| 62.5° | 141.0 | 136.2 | 132.5 | 131.0 | 130.7 | 133.5 | 137.1 | 141.7 | 148.5 | 155.1 | 161.9 |
| 65° | 122.0 | 118.2 | 115.2 | 114.4 | 115.0 | 117.2 | 121.8 | 127.9 | 133.6 | 140.5 | 147.8 |
| 67.5° | 103.4 | 100.3 | 98.3 | 98.6 | 99.4 | 102.5 | 106.4 | 111.6 | 118.2 | 125.4 | 132.4 |
| 70° | 91.6 | 88.6 | 86.9 | 87.1 | 88.5 | 92.2 | 95.6 | 100.9 | 107.8 | 115.2 | 121.1 |
| 72.5° | 79.5 | 77.5 | 76.0 | 76.9 | 78.1 | 80.7 | 85.0 | 90.2 | 96.4 | 103.3 | 109.5 |
| 75° | 61.0 | 61.0 | 60.2 | 60.8 | 62.7 | 65.2 | 68.4 | 73.8 | 80.0 | 85.5 | 90.5 |
| 77.5° | 45.2 | 44.8 | 45.3 | 46.1 | 47.2 | 50.2 | 53.9 | 57.8 | 62.3 | 67.9 | 72.1 |
| 80° | 34.6 | 34.9 | 35.8 | 37.2 | 37.5 | 39.9 | 43.7 | 47.3 | 50.8 | 55.5 | 59.5 |
| 82.5° | 26.0 | 26.2 | 26.8 | 28.4 | 28.8 | 31.3 | 33.7 | 37.3 | 40.6 | 43.7 | 47.0 |
| 85° | 14.2 | 14.2 | 15.2 | 15.9 | 16.9 | 18.5 | 20.1 | 22.2 | 25.1 | 27.2 | 30.4 |
| 87.5° | 6.7 | 7.0 | 7.8 | 8.3 | 9.0 | 10.0 | 10.4 | 12.5 | 13.3 | 14.3 | 15.9 |
| 90° | 6.5 | 7.6 | 8.5 | 9.4 | 10.3 | 11.1 | 11.9 | 12.6 | 13.2 | 13.9 | 14.4 |
| 92.5° | 16.6 | 17.6 | 18.3 | 18.9 | 19.5 | 20.2 | 20.5 | 21.0 | 21.4 | 21.8 | 22.0 |
| 95° | 34.6 | 35.5 | 36.3 | 37.1 | 37.9 | 38.6 | 39.0 | 39.3 | 39.7 | 40.0 | 40.2 |
| 97.5° | 56.5 | 57.4 | 58.3 | 59.3 | 60.2 | 61.2 | 61.5 | 62.0 | 62.3 | 62.8 | 63.0 |
| 100° | 73.0 | 73.7 | 74.7 | 75.8 | 76.8 | 77.8 | 78.0 | 78.3 | 78.5 | 78.7 | 78.8 |
| 102.5° | 90.6 | 91.2 | 92.1 | 93.0 | 94.0 | 94.9 | 95.2 | 95.5 | 95.9 | 96.1 | 96.4 |
| 105° | 119.0 | 119.2 | 119.7 | 120.1 | 120.6 | 121.0 | 121.4 | 121.7 | 122.1 | 122.4 | 122.7 |
| 107.5° | 149.1 | 149.2 | 149.2 | 149.3 | 149.4 | 149.5 | 149.7 | 150.1 | 150.3 | 150.7 | 150.9 |
| 110° | 169.8 | 169.8 | 169.7 | 169.6 | 169.5 | 169.3 | 169.2 | 168.9 | 168.7 | 168.4 | 168.5 |



TEST NUMBER: P332500-940

CATALOG NUMBER: SA4XXDIP-C350D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 190.2 | 190.1 | 189.9 | 189.7 | 189.5 | 189.3 | 189.2 | 189.2 | 189.1 | 189.1 | 189.1 |
| 115° | 221.8 | 221.6 | 221.4 | 221.1 | 221.0 | 220.7 | 220.6 | 220.5 | 220.4 | 220.3 | 220.2 |
| 117.5° | 252.0 | 252.0 | 251.8 | 251.6 | 251.5 | 251.4 | 250.9 | 250.6 | 250.2 | 249.8 | 249.5 |
| 120° | 273.4 | 273.5 | 273.1 | 272.8 | 272.4 | 272.1 | 271.5 | 271.0 | 270.4 | 269.8 | 269.7 |
| 122.5° | 293.0 | 293.1 | 292.9 | 292.7 | 292.6 | 292.5 | 292.0 | 291.7 | 291.3 | 290.9 | 290.5 |
| 125° | 323.0 | 322.9 | 322.8 | 322.7 | 322.5 | 322.4 | 322.2 | 322.0 | 321.7 | 321.6 | 321.3 |
| 127.5° | 352.0 | 352.1 | 352.0 | 351.8 | 351.6 | 351.4 | 351.2 | 351.0 | 350.8 | 350.5 | 350.4 |
| 130° | 371.6 | 371.8 | 371.8 | 371.8 | 371.8 | 371.8 | 371.6 | 371.3 | 371.1 | 370.9 | 370.5 |
| 132.5° | 391.2 | 391.3 | 391.2 | 391.1 | 391.0 | 390.9 | 390.7 | 390.5 | 390.2 | 390.0 | 389.8 |
| 135° | 419.3 | 419.5 | 419.5 | 419.5 | 419.5 | 419.5 | 419.4 | 419.1 | 418.9 | 418.7 | 418.4 |
| 137.5° | 446.5 | 446.7 | 446.9 | 447.1 | 447.3 | 447.5 | 447.2 | 446.8 | 446.6 | 446.3 | 446.1 |
| 140° | 465.2 | 465.4 | 465.4 | 465.4 | 465.4 | 465.4 | 465.2 | 465.1 | 465.0 | 464.9 | 464.8 |
| 142.5° | 482.8 | 482.8 | 482.7 | 482.6 | 482.5 | 482.4 | 482.4 | 482.4 | 482.4 | 482.3 | 482.3 |
| 145° | 507.8 | 508.1 | 508.3 | 508.4 | 508.5 | 508.5 | 508.5 | 508.4 | 508.3 | 508.1 | 507.9 |
| 147.5° | 532.3 | 532.4 | 532.4 | 532.3 | 532.2 | 532.1 | 532.0 | 531.9 | 531.8 | 531.7 | 531.6 |
| 150° | 546.5 | 546.7 | 546.7 | 546.7 | 546.7 | 546.7 | 546.7 | 546.7 | 546.7 | 546.7 | 546.7 |
| 152.5° | 559.6 | 559.8 | 559.9 | 560.0 | 560.1 | 560.2 | 560.4 | 560.7 | 561.0 | 561.2 | 561.2 |
| 155° | 579.8 | 579.7 | 579.6 | 579.5 | 579.4 | 579.3 | 579.7 | 580.1 | 580.6 | 581.1 | 581.1 |
| 157.5° | 596.9 | 596.7 | 596.7 | 596.7 | 596.7 | 596.6 | 597.0 | 597.4 | 597.7 | 598.1 | 598.0 |
| 160° | 607.8 | 607.7 | 607.6 | 607.5 | 607.3 | 607.3 | 607.6 | 608.0 | 608.2 | 608.6 | 608.5 |
| 162.5° | 616.9 | 616.6 | 616.5 | 616.4 | 616.4 | 616.2 | 616.8 | 617.4 | 618.0 | 618.7 | 618.7 |
| 165° | 629.8 | 629.5 | 629.3 | 629.1 | 628.8 | 628.7 | 629.3 | 630.0 | 630.6 | 631.3 | 631.4 |
| 167.5° | 639.4 | 639.1 | 639.1 | 639.2 | 639.2 | 639.2 | 639.9 | 640.5 | 641.2 | 641.9 | 641.9 |
| 170° | 644.6 | 644.4 | 644.5 | 644.6 | 644.8 | 644.9 | 645.6 | 646.2 | 646.9 | 647.6 | 647.6 |
| 172.5° | 649.1 | 648.9 | 648.9 | 648.9 | 648.9 | 649.0 | 649.7 | 650.5 | 651.3 | 652.0 | 652.0 |
| 175° | 654.3 | 654.0 | 653.9 | 653.8 | 653.6 | 653.5 | 654.3 | 655.1 | 655.9 | 656.7 | 656.7 |
| 177.5° | 656.6 | 656.4 | 656.4 | 656.4 | 656.4 | 656.4 | 657.0 | 657.6 | 658.3 | 658.9 | 658.9 |
| 180° | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 |



TEST NUMBER: P332500-940

CATALOG NUMBER: SA4XXDIP-C350D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 |
| 2.5° | 485.4 | 485.2 | 483.9 | 483.8 | 483.9 | 485.2 | 485.4 | 485.8 | 486.3 | 488.0 | 486.0 |
| 5° | 448.4 | 447.4 | 446.7 | 449.1 | 446.7 | 447.4 | 448.4 | 449.7 | 451.8 | 452.0 | 454.1 |
| 7.5° | 420.5 | 419.7 | 417.9 | 417.2 | 417.9 | 419.7 | 420.5 | 421.3 | 423.4 | 425.3 | 428.4 |
| 10° | 402.7 | 401.8 | 400.1 | 399.7 | 400.1 | 401.8 | 402.7 | 404.7 | 406.9 | 409.2 | 411.3 |
| 12.5° | 385.4 | 383.8 | 383.4 | 383.9 | 383.4 | 383.8 | 385.4 | 388.3 | 393.7 | 393.7 | 394.1 |
| 15° | 362.6 | 361.7 | 359.4 | 360.1 | 359.4 | 361.7 | 362.6 | 365.3 | 367.8 | 371.0 | 374.2 |
| 17.5° | 340.0 | 339.0 | 336.2 | 338.7 | 336.2 | 339.0 | 340.0 | 341.5 | 344.7 | 349.2 | 354.0 |
| 20° | 325.8 | 324.1 | 322.7 | 322.4 | 322.7 | 324.1 | 325.8 | 327.3 | 330.9 | 334.7 | 338.3 |
| 22.5° | 312.4 | 310.9 | 310.7 | 309.3 | 310.7 | 310.9 | 312.4 | 314.7 | 318.3 | 320.4 | 323.8 |
| 25° | 295.4 | 294.0 | 293.6 | 292.5 | 293.6 | 294.0 | 295.4 | 297.1 | 299.4 | 301.1 | 305.0 |
| 27.5° | 282.5 | 281.8 | 281.0 | 281.3 | 281.0 | 281.8 | 282.5 | 282.7 | 283.7 | 286.0 | 288.2 |
| 30° | 274.6 | 274.4 | 273.9 | 273.9 | 273.9 | 274.4 | 274.6 | 273.9 | 275.0 | 276.1 | 277.8 |
| 32.5° | 268.0 | 268.0 | 268.2 | 268.2 | 268.2 | 268.0 | 268.0 | 267.0 | 267.4 | 267.8 | 268.6 |
| 35° | 258.8 | 259.4 | 259.8 | 259.1 | 259.8 | 259.4 | 258.8 | 257.9 | 257.3 | 255.7 | 256.2 |
| 37.5° | 250.4 | 251.0 | 251.6 | 252.4 | 251.6 | 251.0 | 250.4 | 248.6 | 247.1 | 245.8 | 244.3 |
| 40° | 244.0 | 245.4 | 245.8 | 246.9 | 245.8 | 245.4 | 244.0 | 242.1 | 240.4 | 238.9 | 237.2 |
| 42.5° | 237.9 | 239.5 | 240.6 | 240.9 | 240.6 | 239.5 | 237.9 | 235.9 | 233.4 | 231.7 | 229.3 |
| 45° | 228.5 | 230.2 | 231.8 | 231.8 | 231.8 | 230.2 | 228.5 | 225.4 | 222.7 | 219.9 | 217.6 |
| 47.5° | 218.9 | 221.3 | 222.8 | 223.2 | 222.8 | 221.3 | 218.9 | 215.6 | 211.8 | 208.4 | 205.1 |
| 50° | 212.3 | 215.3 | 216.8 | 217.8 | 216.8 | 215.3 | 212.3 | 208.7 | 204.7 | 200.5 | 196.4 |
| 52.5° | 205.9 | 208.8 | 210.8 | 211.3 | 210.8 | 208.8 | 205.9 | 201.4 | 196.6 | 192.1 | 188.5 |
| 55° | 194.7 | 199.0 | 201.3 | 202.2 | 201.3 | 199.0 | 194.7 | 189.9 | 185.3 | 179.6 | 174.5 |
| 57.5° | 184.3 | 188.2 | 190.9 | 191.5 | 190.9 | 188.2 | 184.3 | 178.6 | 172.6 | 166.6 | 161.1 |
| 60° | 176.2 | 180.5 | 183.8 | 184.4 | 183.8 | 180.5 | 176.2 | 170.5 | 164.2 | 158.3 | 151.5 |
| 62.5° | 167.9 | 172.4 | 175.4 | 177.0 | 175.4 | 172.4 | 167.9 | 161.9 | 155.1 | 148.5 | 141.7 |
| 65° | 153.6 | 158.1 | 161.0 | 161.7 | 161.0 | 158.1 | 153.6 | 147.8 | 140.5 | 133.6 | 127.9 |
| 67.5° | 138.0 | 142.5 | 144.4 | 145.6 | 144.4 | 142.5 | 138.0 | 132.4 | 125.4 | 118.2 | 111.6 |
| 70° | 127.1 | 130.6 | 132.8 | 133.8 | 132.8 | 130.6 | 127.1 | 121.1 | 115.2 | 107.8 | 100.9 |
| 72.5° | 114.6 | 118.3 | 120.7 | 121.0 | 120.7 | 118.3 | 114.6 | 109.5 | 103.3 | 96.4 | 90.2 |
| 75° | 95.4 | 98.8 | 100.0 | 100.0 | 100.0 | 98.8 | 95.4 | 90.5 | 85.5 | 80.0 | 73.8 |
| 77.5° | 75.5 | 77.2 | 78.8 | 79.2 | 78.8 | 77.2 | 75.5 | 72.1 | 67.9 | 62.3 | 57.8 |
| 80° | 62.7 | 63.8 | 65.0 | 65.0 | 65.0 | 63.8 | 62.7 | 59.5 | 55.5 | 50.8 | 47.3 |
| 82.5° | 49.5 | 50.4 | 51.6 | 51.5 | 51.6 | 50.4 | 49.5 | 47.0 | 43.7 | 40.6 | 37.3 |
| 85° | 30.0 | 31.8 | 31.7 | 31.2 | 31.7 | 31.8 | 30.0 | 30.4 | 27.2 | 25.1 | 22.2 |
| 87.5° | 16.4 | 16.7 | 17.2 | 17.6 | 17.2 | 16.7 | 16.4 | 15.9 | 14.3 | 13.3 | 12.5 |
| 90° | 14.6 | 14.8 | 15.1 | 15.2 | 15.1 | 14.8 | 14.6 | 14.4 | 13.9 | 13.2 | 12.6 |
| 92.5° | 22.2 | 22.3 | 22.5 | 22.6 | 22.5 | 22.3 | 22.2 | 22.0 | 21.8 | 21.4 | 21.0 |
| 95° | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.0 | 39.7 | 39.3 |
| 97.5° | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 62.8 | 62.3 | 62.0 |
| 100° | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.7 | 78.5 | 78.3 |
| 102.5° | 96.5 | 96.6 | 96.7 | 96.8 | 96.7 | 96.6 | 96.5 | 96.4 | 96.1 | 95.9 | 95.5 |
| 105° | 123.1 | 123.4 | 123.8 | 124.1 | 123.8 | 123.4 | 123.1 | 122.7 | 122.4 | 122.1 | 121.7 |
| 107.5° | 150.8 | 150.8 | 150.8 | 150.8 | 150.8 | 150.8 | 150.8 | 150.9 | 150.7 | 150.3 | 150.1 |
| 110° | 168.9 | 169.2 | 169.5 | 169.9 | 169.5 | 169.2 | 168.9 | 168.5 | 168.4 | 168.7 | 168.9 |



TEST NUMBER: P332500-940

CATALOG NUMBER: SA4XXDIP-C350D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 189.2 | 189.2 | 189.3 | 189.4 | 189.3 | 189.2 | 189.2 | 189.1 | 189.1 | 189.1 | 189.2 |
| 115° | 220.1 | 219.9 | 219.8 | 219.7 | 219.8 | 219.9 | 220.1 | 220.2 | 220.3 | 220.4 | 220.5 |
| 117.5° | 249.2 | 249.1 | 248.8 | 248.6 | 248.8 | 249.1 | 249.2 | 249.5 | 249.8 | 250.2 | 250.6 |
| 120° | 269.9 | 270.1 | 270.4 | 270.5 | 270.4 | 270.1 | 269.9 | 269.7 | 269.8 | 270.4 | 271.0 |
| 122.5° | 290.1 | 289.7 | 289.3 | 288.9 | 289.3 | 289.7 | 290.1 | 290.5 | 290.9 | 291.3 | 291.7 |
| 125° | 321.1 | 320.8 | 320.7 | 320.4 | 320.7 | 320.8 | 321.1 | 321.3 | 321.6 | 321.7 | 322.0 |
| 127.5° | 350.2 | 350.0 | 349.8 | 349.6 | 349.8 | 350.0 | 350.2 | 350.4 | 350.5 | 350.8 | 351.0 |
| 130° | 370.1 | 369.6 | 369.2 | 368.7 | 369.2 | 369.6 | 370.1 | 370.5 | 370.9 | 371.1 | 371.3 |
| 132.5° | 389.6 | 389.4 | 389.2 | 389.1 | 389.2 | 389.4 | 389.6 | 389.8 | 390.0 | 390.2 | 390.5 |
| 135° | 418.0 | 417.7 | 417.4 | 417.1 | 417.4 | 417.7 | 418.0 | 418.4 | 418.7 | 418.9 | 419.1 |
| 137.5° | 446.2 | 446.3 | 446.4 | 446.5 | 446.4 | 446.3 | 446.2 | 446.1 | 446.3 | 446.6 | 446.8 |
| 140° | 464.7 | 464.6 | 464.5 | 464.3 | 464.5 | 464.6 | 464.7 | 464.8 | 464.9 | 465.0 | 465.1 |
| 142.5° | 482.3 | 482.3 | 482.2 | 482.2 | 482.2 | 482.3 | 482.3 | 482.3 | 482.3 | 482.4 | 482.4 |
| 145° | 507.6 | 507.2 | 506.8 | 506.6 | 506.8 | 507.2 | 507.6 | 507.9 | 508.1 | 508.3 | 508.4 |
| 147.5° | 531.5 | 531.4 | 531.3 | 531.2 | 531.3 | 531.4 | 531.5 | 531.6 | 531.7 | 531.8 | 531.9 |
| 150° | 546.5 | 546.4 | 546.4 | 546.3 | 546.4 | 546.4 | 546.5 | 546.7 | 546.7 | 546.7 | 546.7 |
| 152.5° | 561.0 | 560.6 | 560.4 | 560.1 | 560.4 | 560.6 | 561.0 | 561.2 | 561.2 | 561.0 | 560.7 |
| 155° | 580.6 | 580.1 | 579.7 | 579.3 | 579.7 | 580.1 | 580.6 | 581.1 | 581.1 | 580.6 | 580.1 |
| 157.5° | 597.6 | 597.3 | 596.8 | 596.5 | 596.8 | 597.3 | 597.6 | 598.0 | 598.1 | 597.7 | 597.4 |
| 160° | 608.0 | 607.3 | 606.8 | 606.3 | 606.8 | 607.3 | 608.0 | 608.5 | 608.6 | 608.2 | 608.0 |
| 162.5° | 618.1 | 617.5 | 617.0 | 616.4 | 617.0 | 617.5 | 618.1 | 618.7 | 618.7 | 618.0 | 617.4 |
| 165° | 631.0 | 630.5 | 630.1 | 629.6 | 630.1 | 630.5 | 631.0 | 631.4 | 631.3 | 630.6 | 630.0 |
| 167.5° | 641.2 | 640.5 | 639.8 | 639.1 | 639.8 | 640.5 | 641.2 | 641.9 | 641.9 | 641.2 | 640.5 |
| 170° | 646.8 | 646.0 | 645.2 | 644.4 | 645.2 | 646.0 | 646.8 | 647.6 | 647.6 | 646.9 | 646.2 |
| 172.5° | 651.2 | 650.4 | 649.6 | 648.9 | 649.6 | 650.4 | 651.2 | 652.0 | 652.0 | 651.3 | 650.5 |
| 175° | 655.9 | 655.1 | 654.3 | 653.5 | 654.3 | 655.1 | 655.9 | 656.7 | 656.7 | 655.9 | 655.1 |
| 177.5° | 658.2 | 657.5 | 656.7 | 655.9 | 656.7 | 657.5 | 658.2 | 658.9 | 658.9 | 658.3 | 657.6 |
| 180° | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 |



TEST NUMBER: P332500-940

CATALOG NUMBER: SA4XXDIP-C350D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 |
| 2.5° | 487.0 | 487.7 | 490.4 | 492.9 | 496.0 | 498.1 | 499.6 | 501.3 | 504.9 | 507.7 | 510.5 |
| 5° | 456.3 | 457.4 | 462.8 | 466.6 | 473.1 | 478.8 | 483.3 | 488.1 | 493.8 | 501.7 | 508.8 |
| 7.5° | 429.2 | 433.1 | 439.2 | 445.3 | 451.9 | 459.4 | 465.9 | 473.2 | 483.0 | 493.8 | 504.9 |
| 10° | 413.8 | 418.3 | 424.6 | 431.8 | 438.1 | 446.7 | 454.8 | 463.4 | 474.7 | 487.7 | 500.8 |
| 12.5° | 398.5 | 405.8 | 410.6 | 419.1 | 426.0 | 433.1 | 441.7 | 453.0 | 466.0 | 479.7 | 495.5 |
| 15° | 379.2 | 383.3 | 392.5 | 397.2 | 406.9 | 417.9 | 426.3 | 437.7 | 450.3 | 468.5 | 486.2 |
| 17.5° | 357.0 | 362.3 | 369.7 | 378.5 | 389.7 | 398.2 | 408.8 | 420.5 | 436.5 | 454.5 | 476.7 |
| 20° | 342.5 | 347.0 | 356.1 | 365.7 | 377.6 | 386.6 | 397.8 | 409.2 | 425.7 | 444.9 | 468.1 |
| 22.5° | 329.5 | 333.8 | 343.4 | 352.4 | 363.9 | 375.0 | 386.6 | 399.9 | 415.7 | 436.0 | 459.7 |
| 25° | 309.4 | 315.0 | 323.5 | 332.8 | 343.8 | 356.4 | 369.1 | 380.9 | 397.8 | 419.1 | 444.4 |
| 27.5° | 291.5 | 296.0 | 302.2 | 312.7 | 325.2 | 337.4 | 350.0 | 364.9 | 381.1 | 403.7 | 429.9 |
| 30° | 280.1 | 284.3 | 290.4 | 300.1 | 311.7 | 324.8 | 337.9 | 352.2 | 369.1 | 391.5 | 418.3 |
| 32.5° | 270.9 | 274.1 | 279.6 | 288.3 | 298.9 | 312.6 | 325.6 | 340.4 | 358.1 | 380.1 | 406.3 |
| 35° | 257.4 | 260.2 | 262.3 | 270.5 | 280.1 | 292.7 | 305.8 | 321.6 | 338.8 | 359.6 | 385.8 |
| 37.5° | 244.2 | 245.2 | 248.3 | 253.7 | 262.9 | 274.6 | 286.7 | 302.3 | 319.8 | 341.0 | 364.6 |
| 40° | 236.1 | 236.6 | 238.4 | 243.5 | 251.6 | 262.5 | 274.4 | 289.7 | 306.4 | 326.5 | 349.9 |
| 42.5° | 228.2 | 227.9 | 229.7 | 233.3 | 240.8 | 250.7 | 262.3 | 276.4 | 293.1 | 311.7 | 333.7 |
| 45° | 215.7 | 215.7 | 215.3 | 218.2 | 224.4 | 234.1 | 243.8 | 257.3 | 271.2 | 289.4 | 307.9 |
| 47.5° | 202.6 | 201.4 | 201.8 | 203.3 | 208.5 | 216.4 | 226.2 | 237.3 | 249.6 | 264.9 | 281.2 |
| 50° | 194.1 | 192.4 | 191.8 | 193.5 | 198.1 | 205.1 | 214.5 | 224.1 | 235.8 | 249.2 | 263.1 |
| 52.5° | 184.9 | 183.2 | 182.0 | 183.2 | 187.5 | 193.9 | 202.4 | 211.0 | 221.4 | 232.4 | 244.4 |
| 55° | 170.5 | 168.6 | 168.0 | 168.4 | 171.6 | 176.6 | 183.8 | 191.6 | 199.5 | 208.5 | 217.0 |
| 57.5° | 156.4 | 153.3 | 152.7 | 152.5 | 154.6 | 159.3 | 165.3 | 172.0 | 177.7 | 183.2 | 192.3 |
| 60° | 147.1 | 143.3 | 142.0 | 141.8 | 143.5 | 147.3 | 152.8 | 159.5 | 163.5 | 167.4 | 175.1 |
| 62.5° | 137.1 | 133.5 | 130.7 | 131.0 | 132.5 | 136.2 | 141.0 | 145.9 | 148.6 | 152.7 | 157.9 |
| 65° | 121.8 | 117.2 | 115.0 | 114.4 | 115.2 | 118.2 | 122.0 | 125.1 | 128.1 | 129.8 | 134.8 |
| 67.5° | 106.4 | 102.5 | 99.4 | 98.6 | 98.3 | 100.3 | 103.4 | 105.3 | 107.5 | 108.9 | 111.9 |
| 70° | 95.6 | 92.2 | 88.5 | 87.1 | 86.9 | 88.6 | 91.6 | 91.8 | 94.8 | 95.4 | 98.5 |
| 72.5° | 85.0 | 80.7 | 78.1 | 76.9 | 76.0 | 77.5 | 79.5 | 80.0 | 81.6 | 82.8 | 84.4 |
| 75° | 68.4 | 65.2 | 62.7 | 60.8 | 60.2 | 61.0 | 61.0 | 62.1 | 63.1 | 63.8 | 65.6 |
| 77.5° | 53.9 | 50.2 | 47.2 | 46.1 | 45.3 | 44.8 | 45.2 | 45.9 | 45.4 | 46.5 | 46.9 |
| 80° | 43.7 | 39.9 | 37.5 | 37.2 | 35.8 | 34.9 | 34.6 | 35.2 | 34.4 | 34.9 | 36.1 |
| 82.5° | 33.7 | 31.3 | 28.8 | 28.4 | 26.8 | 26.2 | 26.0 | 25.6 | 25.6 | 25.5 | 25.8 |
| 85° | 20.1 | 18.5 | 16.9 | 15.9 | 15.2 | 14.2 | 14.2 | 13.7 | 13.3 | 12.8 | 13.1 |
| 87.5° | 10.4 | 10.0 | 9.0 | 8.3 | 7.8 | 7.0 | 6.7 | 6.0 | 5.5 | 5.1 | 4.7 |
| 90° | 11.9 | 11.1 | 10.3 | 9.4 | 8.5 | 7.6 | 6.5 | 5.3 | 4.0 | 2.8 | 1.5 |
| 92.5° | 20.5 | 20.2 | 19.5 | 18.9 | 18.3 | 17.6 | 16.6 | 15.2 | 13.7 | 12.3 | 10.9 |
| 95° | 39.0 | 38.6 | 37.9 | 37.1 | 36.3 | 35.5 | 34.6 | 33.5 | 32.5 | 31.6 | 30.5 |
| 97.5° | 61.5 | 61.2 | 60.2 | 59.3 | 58.3 | 57.4 | 56.5 | 55.7 | 54.9 | 54.1 | 53.3 |
| 100° | 78.0 | 77.8 | 76.8 | 75.8 | 74.7 | 73.7 | 73.0 | 72.6 | 72.1 | 71.7 | 71.2 |
| 102.5° | 95.2 | 94.9 | 94.0 | 93.0 | 92.1 | 91.2 | 90.6 | 90.4 | 90.2 | 90.1 | 89.9 |
| 105° | 121.4 | 121.0 | 120.6 | 120.1 | 119.7 | 119.2 | 119.0 | 118.9 | 118.7 | 118.6 | 118.5 |
| 107.5° | 149.7 | 149.5 | 149.4 | 149.3 | 149.2 | 149.2 | 149.1 | 148.9 | 148.7 | 148.6 | 148.5 |
| 110° | 169.2 | 169.3 | 169.5 | 169.6 | 169.7 | 169.8 | 169.8 | 169.5 | 169.3 | 169.1 | 168.9 |



TEST NUMBER: P332500-940

CATALOG NUMBER: SA4XXDIP-C350D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 189.2 | 189.3 | 189.5 | 189.7 | 189.9 | 190.1 | 190.2 | 190.1 | 190.1 | 190.0 | 190.0 |
| 115° | 220.6 | 220.7 | 221.0 | 221.1 | 221.4 | 221.6 | 221.8 | 221.8 | 221.8 | 221.8 | 221.8 |
| 117.5° | 250.9 | 251.4 | 251.5 | 251.6 | 251.8 | 252.0 | 252.0 | 251.9 | 251.8 | 251.7 | 251.6 |
| 120° | 271.5 | 272.1 | 272.4 | 272.8 | 273.1 | 273.5 | 273.4 | 273.0 | 272.5 | 272.1 | 271.6 |
| 122.5° | 292.0 | 292.5 | 292.6 | 292.7 | 292.9 | 293.1 | 293.0 | 292.8 | 292.7 | 292.5 | 292.3 |
| 125° | 322.2 | 322.4 | 322.5 | 322.7 | 322.8 | 322.9 | 323.0 | 323.0 | 323.0 | 323.0 | 323.0 |
| 127.5° | 351.2 | 351.4 | 351.6 | 351.8 | 352.0 | 352.1 | 352.0 | 351.8 | 351.4 | 351.1 | 350.7 |
| 130° | 371.6 | 371.8 | 371.8 | 371.8 | 371.8 | 371.8 | 371.6 | 371.3 | 371.0 | 370.6 | 370.2 |
| 132.5° | 390.7 | 390.9 | 391.0 | 391.1 | 391.2 | 391.3 | 391.2 | 390.9 | 390.7 | 390.5 | 390.2 |
| 135° | 419.4 | 419.5 | 419.5 | 419.5 | 419.5 | 419.5 | 419.3 | 418.6 | 417.9 | 417.2 | 416.5 |
| 137.5° | 447.2 | 447.5 | 447.3 | 447.1 | 446.9 | 446.7 | 446.5 | 446.1 | 445.9 | 445.5 | 445.2 |
| 140° | 465.2 | 465.4 | 465.4 | 465.4 | 465.4 | 465.4 | 465.2 | 465.0 | 464.8 | 464.6 | 464.3 |
| 142.5° | 482.4 | 482.4 | 482.5 | 482.6 | 482.7 | 482.8 | 482.8 | 482.5 | 482.3 | 482.1 | 481.8 |
| 145° | 508.5 | 508.5 | 508.5 | 508.4 | 508.3 | 508.1 | 507.8 | 507.4 | 506.9 | 506.5 | 506.0 |
| 147.5° | 532.0 | 532.1 | 532.2 | 532.3 | 532.4 | 532.4 | 532.3 | 531.6 | 531.1 | 530.6 | 530.0 |
| 150° | 546.7 | 546.7 | 546.7 | 546.7 | 546.7 | 546.7 | 546.5 | 546.1 | 545.6 | 545.2 | 544.7 |
| 152.5° | 560.4 | 560.2 | 560.1 | 560.0 | 559.9 | 559.8 | 559.6 | 559.4 | 559.1 | 558.8 | 558.6 |
| 155° | 579.7 | 579.3 | 579.4 | 579.5 | 579.6 | 579.7 | 579.8 | 579.8 | 579.8 | 579.8 | 579.8 |
| 157.5° | 597.0 | 596.6 | 596.7 | 596.7 | 596.7 | 596.7 | 596.9 | 597.1 | 597.3 | 597.4 | 597.7 |
| 160° | 607.6 | 607.3 | 607.3 | 607.5 | 607.6 | 607.7 | 607.8 | 608.0 | 608.1 | 608.1 | 608.2 |
| 162.5° | 616.8 | 616.2 | 616.4 | 616.4 | 616.5 | 616.6 | 616.9 | 617.2 | 617.4 | 617.8 | 618.0 |
| 165° | 629.3 | 628.7 | 628.8 | 629.1 | 629.3 | 629.5 | 629.8 | 630.2 | 630.4 | 630.8 | 631.2 |
| 167.5° | 639.9 | 639.2 | 639.2 | 639.2 | 639.1 | 639.1 | 639.4 | 639.8 | 640.2 | 640.8 | 641.2 |
| 170° | 645.6 | 644.9 | 644.8 | 644.6 | 644.5 | 644.4 | 644.6 | 645.2 | 645.8 | 646.4 | 646.9 |
| 172.5° | 649.7 | 649.0 | 648.9 | 648.9 | 648.9 | 648.9 | 649.1 | 649.6 | 650.1 | 650.5 | 650.9 |
| 175° | 654.3 | 653.5 | 653.6 | 653.8 | 653.9 | 654.0 | 654.3 | 654.9 | 655.5 | 656.0 | 656.6 |
| 177.5° | 657.0 | 656.4 | 656.4 | 656.4 | 656.4 | 656.4 | 656.6 | 657.1 | 657.5 | 658.0 | 658.4 |
| 180° | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 |



TEST NUMBER: P332500-940

CATALOG NUMBER: SA4XXDIP-C350D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 |
| 2.5° | 512.8 | 514.5 | 516.7 | 520.4 | 521.7 | 523.4 | 525.8 | 525.7 | 526.3 | 528.9 | 534.2 |
| 5° | 514.7 | 521.3 | 527.6 | 535.2 | 543.2 | 548.5 | 555.6 | 560.1 | 564.5 | 570.2 | 580.0 |
| 7.5° | 515.5 | 525.8 | 537.4 | 550.8 | 562.7 | 576.3 | 587.0 | 597.1 | 606.2 | 618.1 | 629.7 |
| 10° | 514.3 | 528.2 | 543.2 | 560.1 | 578.0 | 593.3 | 607.0 | 622.6 | 635.9 | 650.4 | 663.5 |
| 12.5° | 512.1 | 528.9 | 548.9 | 567.8 | 588.8 | 611.3 | 628.4 | 644.2 | 661.8 | 678.6 | 698.8 |
| 15° | 507.1 | 530.1 | 553.6 | 578.5 | 606.5 | 632.5 | 657.2 | 677.6 | 696.6 | 721.8 | 748.1 |
| 17.5° | 500.8 | 525.6 | 555.2 | 585.3 | 614.7 | 644.3 | 674.8 | 705.6 | 729.6 | 760.8 | 781.4 |
| 20° | 494.9 | 523.6 | 554.0 | 589.9 | 619.2 | 656.1 | 686.5 | 716.2 | 749.2 | 780.2 | 804.9 |
| 22.5° | 486.6 | 518.0 | 550.3 | 585.9 | 624.6 | 661.6 | 696.6 | 728.9 | 761.9 | 795.6 | 825.5 |
| 25° | 476.1 | 504.6 | 542.8 | 583.3 | 621.7 | 661.8 | 702.1 | 742.6 | 778.1 | 813.8 | 841.6 |
| 27.5° | 458.3 | 494.2 | 529.8 | 571.6 | 614.2 | 659.6 | 702.8 | 745.1 | 782.3 | 811.6 | 828.8 |
| 30° | 449.1 | 480.4 | 519.0 | 561.0 | 607.2 | 655.9 | 700.9 | 742.4 | 777.0 | 800.5 | 807.4 |
| 32.5° | 435.6 | 467.8 | 505.6 | 549.1 | 598.1 | 648.2 | 694.9 | 734.1 | 763.0 | 775.3 | 767.0 |
| 35° | 415.5 | 444.7 | 482.9 | 527.4 | 578.3 | 631.6 | 677.9 | 711.0 | 725.8 | 714.2 | 685.3 |
| 37.5° | 391.5 | 420.4 | 458.7 | 502.5 | 555.1 | 609.4 | 651.1 | 675.0 | 670.1 | 641.2 | 598.2 |
| 40° | 374.6 | 401.6 | 438.1 | 485.4 | 536.6 | 591.1 | 627.9 | 640.7 | 627.2 | 585.9 | 540.0 |
| 42.5° | 355.9 | 382.2 | 418.8 | 464.5 | 518.8 | 569.0 | 601.0 | 602.1 | 579.4 | 529.9 | 484.0 |
| 45° | 327.3 | 352.4 | 387.0 | 434.5 | 484.7 | 532.0 | 553.1 | 542.8 | 501.0 | 453.3 | 407.1 |
| 47.5° | 299.2 | 320.9 | 355.1 | 400.1 | 447.8 | 487.6 | 498.1 | 479.5 | 435.0 | 388.6 | 345.8 |
| 50° | 278.6 | 300.5 | 332.6 | 375.7 | 421.7 | 456.0 | 461.1 | 436.4 | 392.7 | 346.1 | 312.5 |
| 52.5° | 258.8 | 280.6 | 311.5 | 351.3 | 393.4 | 424.5 | 424.6 | 396.1 | 352.6 | 311.0 | 279.8 |
| 55° | 229.8 | 249.4 | 277.3 | 313.0 | 350.5 | 374.8 | 368.9 | 339.4 | 301.6 | 265.5 | 238.3 |
| 57.5° | 201.9 | 219.0 | 244.6 | 274.4 | 307.5 | 327.5 | 317.7 | 289.3 | 255.6 | 224.9 | 204.3 |
| 60° | 183.8 | 200.1 | 222.0 | 250.1 | 277.9 | 293.6 | 284.3 | 258.5 | 227.5 | 202.8 | 184.9 |
| 62.5° | 166.2 | 179.9 | 201.1 | 225.4 | 251.3 | 262.8 | 254.6 | 229.2 | 202.3 | 180.0 | 165.4 |
| 65° | 141.4 | 152.6 | 169.4 | 190.4 | 209.1 | 219.1 | 212.1 | 188.4 | 168.0 | 151.9 | 140.4 |
| 67.5° | 118.2 | 126.9 | 139.7 | 156.5 | 172.5 | 177.8 | 171.5 | 155.0 | 137.7 | 124.8 | 116.6 |
| 70° | 102.1 | 110.4 | 121.1 | 134.0 | 147.9 | 153.6 | 147.3 | 134.2 | 120.1 | 108.3 | 100.2 |
| 72.5° | 88.1 | 94.5 | 103.6 | 114.6 | 125.5 | 131.2 | 126.9 | 114.3 | 102.4 | 93.5 | 86.8 |
| 75° | 67.1 | 72.6 | 78.9 | 86.8 | 95.1 | 99.0 | 95.1 | 86.5 | 78.3 | 71.8 | 66.9 |
| 77.5° | 48.8 | 51.7 | 56.6 | 62.5 | 67.8 | 70.6 | 67.3 | 61.5 | 56.4 | 52.0 | 49.6 |
| 80° | 37.2 | 39.2 | 42.6 | 47.3 | 50.8 | 53.6 | 51.5 | 46.6 | 42.6 | 39.7 | 38.6 |
| 82.5° | 27.0 | 28.4 | 30.7 | 34.1 | 36.5 | 37.9 | 37.0 | 33.4 | 31.8 | 29.2 | 28.2 |
| 85° | 13.3 | 14.2 | 15.6 | 16.7 | 18.8 | 19.0 | 19.2 | 17.7 | 16.2 | 15.6 | 14.8 |
| 87.5° | 5.1 | 5.5 | 6.2 | 7.0 | 7.9 | 8.3 | 8.3 | 8.5 | 7.9 | 7.9 | 7.4 |
| 90° | 2.8 | 4.0 | 5.3 | 6.5 | 7.6 | 8.5 | 9.4 | 10.3 | 11.1 | 11.9 | 12.6 |
| 92.5° | 12.3 | 13.7 | 15.2 | 16.6 | 17.6 | 18.3 | 18.9 | 19.5 | 20.2 | 20.5 | 21.0 |
| 95° | 31.6 | 32.5 | 33.5 | 34.6 | 35.5 | 36.3 | 37.1 | 37.9 | 38.6 | 39.0 | 39.3 |
| 97.5° | 54.1 | 54.9 | 55.7 | 56.5 | 57.4 | 58.3 | 59.3 | 60.2 | 61.2 | 61.5 | 62.0 |
| 100° | 71.7 | 72.1 | 72.6 | 73.0 | 73.7 | 74.7 | 75.8 | 76.8 | 77.8 | 78.0 | 78.3 |
| 102.5° | 90.1 | 90.2 | 90.4 | 90.6 | 91.2 | 92.1 | 93.0 | 94.0 | 94.9 | 95.2 | 95.5 |
| 105° | 118.6 | 118.7 | 118.9 | 119.0 | 119.2 | 119.7 | 120.1 | 120.6 | 121.0 | 121.4 | 121.7 |
| 107.5° | 148.6 | 148.7 | 148.9 | 149.1 | 149.2 | 149.2 | 149.3 | 149.4 | 149.5 | 149.7 | 150.1 |
| 110° | 169.1 | 169.3 | 169.5 | 169.8 | 169.8 | 169.7 | 169.6 | 169.5 | 169.3 | 169.2 | 168.9 |



TEST NUMBER: P332500-940

CATALOG NUMBER: SA4XXDIP-C350D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 190.0 | 190.1 | 190.1 | 190.2 | 190.1 | 189.9 | 189.7 | 189.5 | 189.3 | 189.2 | 189.2 |
| 115° | 221.8 | 221.8 | 221.8 | 221.8 | 221.6 | 221.4 | 221.1 | 221.0 | 220.7 | 220.6 | 220.5 |
| 117.5° | 251.7 | 251.8 | 251.9 | 252.0 | 252.0 | 251.8 | 251.6 | 251.5 | 251.4 | 250.9 | 250.6 |
| 120° | 272.1 | 272.5 | 273.0 | 273.4 | 273.5 | 273.1 | 272.8 | 272.4 | 272.1 | 271.5 | 271.0 |
| 122.5° | 292.5 | 292.7 | 292.8 | 293.0 | 293.1 | 292.9 | 292.7 | 292.6 | 292.5 | 292.0 | 291.7 |
| 125° | 323.0 | 323.0 | 323.0 | 323.0 | 322.9 | 322.8 | 322.7 | 322.5 | 322.4 | 322.2 | 322.0 |
| 127.5° | 351.1 | 351.4 | 351.8 | 352.0 | 352.1 | 352.0 | 351.8 | 351.6 | 351.4 | 351.2 | 351.0 |
| 130° | 370.6 | 371.0 | 371.3 | 371.6 | 371.8 | 371.8 | 371.8 | 371.8 | 371.8 | 371.6 | 371.3 |
| 132.5° | 390.5 | 390.7 | 390.9 | 391.2 | 391.3 | 391.2 | 391.1 | 391.0 | 390.9 | 390.7 | 390.5 |
| 135° | 417.2 | 417.9 | 418.6 | 419.3 | 419.5 | 419.5 | 419.5 | 419.5 | 419.5 | 419.4 | 419.1 |
| 137.5° | 445.5 | 445.9 | 446.1 | 446.5 | 446.7 | 446.9 | 447.1 | 447.3 | 447.5 | 447.2 | 446.8 |
| 140° | 464.6 | 464.8 | 465.0 | 465.2 | 465.4 | 465.4 | 465.4 | 465.4 | 465.4 | 465.2 | 465.1 |
| 142.5° | 482.1 | 482.3 | 482.5 | 482.8 | 482.8 | 482.7 | 482.6 | 482.5 | 482.4 | 482.4 | 482.4 |
| 145° | 506.5 | 506.9 | 507.4 | 507.8 | 508.1 | 508.3 | 508.4 | 508.5 | 508.5 | 508.5 | 508.4 |
| 147.5° | 530.6 | 531.1 | 531.6 | 532.3 | 532.4 | 532.4 | 532.3 | 532.2 | 532.1 | 532.0 | 531.9 |
| 150° | 545.2 | 545.6 | 546.1 | 546.5 | 546.7 | 546.7 | 546.7 | 546.7 | 546.7 | 546.7 | 546.7 |
| 152.5° | 558.8 | 559.1 | 559.4 | 559.6 | 559.8 | 559.9 | 560.0 | 560.1 | 560.2 | 560.4 | 560.7 |
| 155° | 579.8 | 579.8 | 579.8 | 579.8 | 579.7 | 579.6 | 579.5 | 579.4 | 579.3 | 579.7 | 580.1 |
| 157.5° | 597.4 | 597.3 | 597.1 | 596.9 | 596.7 | 596.7 | 596.7 | 596.7 | 596.6 | 597.0 | 597.4 |
| 160° | 608.1 | 608.1 | 608.0 | 607.8 | 607.7 | 607.6 | 607.5 | 607.3 | 607.3 | 607.6 | 608.0 |
| 162.5° | 617.8 | 617.4 | 617.2 | 616.9 | 616.6 | 616.5 | 616.4 | 616.4 | 616.2 | 616.8 | 617.4 |
| 165° | 630.8 | 630.4 | 630.2 | 629.8 | 629.5 | 629.3 | 629.1 | 628.8 | 628.7 | 629.3 | 630.0 |
| 167.5° | 640.8 | 640.2 | 639.8 | 639.4 | 639.1 | 639.1 | 639.2 | 639.2 | 639.2 | 639.9 | 640.5 |
| 170° | 646.4 | 645.8 | 645.2 | 644.6 | 644.4 | 644.5 | 644.6 | 644.8 | 644.9 | 645.6 | 646.2 |
| 172.5° | 650.5 | 650.1 | 649.6 | 649.1 | 648.9 | 648.9 | 648.9 | 648.9 | 649.0 | 649.7 | 650.5 |
| 175° | 656.0 | 655.5 | 654.9 | 654.3 | 654.0 | 653.9 | 653.8 | 653.6 | 653.5 | 654.3 | 655.1 |
| 177.5° | 658.0 | 657.5 | 657.1 | 656.6 | 656.4 | 656.4 | 656.4 | 656.4 | 656.4 | 657.0 | 657.6 |
| 180° | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 |



TEST NUMBER: P332500-940

CATALOG NUMBER: SA4XXDIP-C350D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 |
| 2.5° | 537.0 | 537.3 | 538.9 | 540.0 | 540.4 | 542.1 | 542.2 |
| 5° | 584.2 | 587.7 | 594.7 | 595.3 | 596.4 | 601.9 | 597.6 |
| 7.5° | 639.4 | 648.5 | 654.6 | 660.0 | 661.9 | 664.3 | 663.9 |
| 10° | 674.9 | 688.4 | 695.2 | 706.0 | 706.3 | 709.1 | 707.4 |
| 12.5° | 710.5 | 726.2 | 738.5 | 740.6 | 749.6 | 751.0 | 753.3 |
| 15° | 761.0 | 777.7 | 794.8 | 800.9 | 813.3 | 816.3 | 820.9 |
| 17.5° | 808.4 | 825.5 | 837.5 | 853.3 | 858.4 | 865.2 | 860.6 |
| 20° | 834.5 | 853.0 | 868.3 | 880.7 | 885.9 | 889.7 | 889.3 |
| 22.5° | 850.2 | 868.9 | 881.2 | 890.6 | 895.5 | 897.2 | 897.1 |
| 25° | 860.0 | 870.8 | 874.6 | 878.2 | 872.6 | 870.8 | 871.6 |
| 27.5° | 832.6 | 829.8 | 819.9 | 806.9 | 793.4 | 782.7 | 776.9 |
| 30° | 795.0 | 778.6 | 763.6 | 737.4 | 723.9 | 715.9 | 708.6 |
| 32.5° | 741.6 | 715.5 | 686.7 | 662.7 | 647.4 | 635.5 | 633.7 |
| 35° | 650.2 | 611.0 | 575.7 | 546.4 | 531.2 | 518.4 | 515.3 |
| 37.5° | 552.8 | 512.0 | 480.3 | 454.4 | 438.1 | 429.0 | 420.5 |
| 40° | 488.1 | 453.1 | 421.9 | 399.9 | 387.4 | 380.9 | 375.7 |
| 42.5° | 438.4 | 406.4 | 375.2 | 358.6 | 347.3 | 343.3 | 340.2 |
| 45° | 369.5 | 339.7 | 318.3 | 305.6 | 299.1 | 292.3 | 289.1 |
| 47.5° | 314.4 | 290.3 | 276.1 | 265.3 | 258.2 | 254.2 | 252.3 |
| 50° | 283.2 | 263.4 | 250.7 | 242.5 | 236.1 | 233.0 | 231.3 |
| 52.5° | 255.6 | 239.2 | 228.6 | 222.0 | 217.8 | 215.4 | 214.7 |
| 55° | 220.1 | 207.7 | 200.9 | 195.2 | 192.1 | 189.9 | 189.1 |
| 57.5° | 191.4 | 181.7 | 176.3 | 171.6 | 170.3 | 168.6 | 168.0 |
| 60° | 172.5 | 165.1 | 160.4 | 157.2 | 156.1 | 154.1 | 154.4 |
| 62.5° | 155.7 | 149.6 | 145.7 | 143.9 | 142.5 | 140.7 | 141.3 |
| 65° | 131.7 | 127.2 | 125.1 | 123.5 | 121.8 | 120.7 | 121.5 |
| 67.5° | 110.5 | 107.5 | 104.6 | 103.6 | 102.8 | 102.6 | 101.7 |
| 70° | 96.7 | 94.2 | 91.6 | 91.0 | 91.0 | 90.2 | 89.9 |
| 72.5° | 83.3 | 81.5 | 79.8 | 79.3 | 78.6 | 79.0 | 78.1 |
| 75° | 64.4 | 62.9 | 62.2 | 61.6 | 61.4 | 61.4 | 60.8 |
| 77.5° | 47.5 | 46.5 | 45.5 | 45.5 | 44.7 | 44.4 | 44.3 |
| 80° | 36.1 | 35.7 | 34.9 | 34.9 | 34.4 | 34.6 | 34.2 |
| 82.5° | 27.1 | 26.6 | 26.4 | 26.0 | 25.4 | 25.5 | 25.1 |
| 85° | 14.5 | 13.9 | 13.7 | 13.1 | 12.7 | 13.1 | 12.7 |
| 87.5° | 7.7 | 7.7 | 7.6 | 7.3 | 7.2 | 7.2 | 6.8 |
| 90° | 13.2 | 13.9 | 14.4 | 14.6 | 14.8 | 15.1 | 15.2 |
| 92.5° | 21.4 | 21.8 | 22.0 | 22.2 | 22.3 | 22.5 | 22.6 |
| 95° | 39.7 | 40.0 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 97.5° | 62.3 | 62.8 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| 100° | 78.5 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |
| 102.5° | 95.9 | 96.1 | 96.4 | 96.5 | 96.6 | 96.7 | 96.8 |
| 105° | 122.1 | 122.4 | 122.7 | 123.1 | 123.4 | 123.8 | 124.1 |
| 107.5° | 150.3 | 150.7 | 150.9 | 150.8 | 150.8 | 150.8 | 150.8 |
| 110° | 168.7 | 168.4 | 168.5 | 168.9 | 169.2 | 169.5 | 169.9 |



TEST NUMBER: P332500-940

CATALOG NUMBER: SA4XXDIP-C350D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 189.1 | 189.1 | 189.1 | 189.2 | 189.2 | 189.3 | 189.4 |
| 115° | 220.4 | 220.3 | 220.2 | 220.1 | 219.9 | 219.8 | 219.7 |
| 117.5° | 250.2 | 249.8 | 249.5 | 249.2 | 249.1 | 248.8 | 248.6 |
| 120° | 270.4 | 269.8 | 269.7 | 269.9 | 270.1 | 270.4 | 270.5 |
| 122.5° | 291.3 | 290.9 | 290.5 | 290.1 | 289.7 | 289.3 | 288.9 |
| 125° | 321.7 | 321.6 | 321.3 | 321.1 | 320.8 | 320.7 | 320.4 |
| 127.5° | 350.8 | 350.5 | 350.4 | 350.2 | 350.0 | 349.8 | 349.6 |
| 130° | 371.1 | 370.9 | 370.5 | 370.1 | 369.6 | 369.2 | 368.7 |
| 132.5° | 390.2 | 390.0 | 389.8 | 389.6 | 389.4 | 389.2 | 389.1 |
| 135° | 418.9 | 418.7 | 418.4 | 418.0 | 417.7 | 417.4 | 417.1 |
| 137.5° | 446.6 | 446.3 | 446.1 | 446.2 | 446.3 | 446.4 | 446.5 |
| 140° | 465.0 | 464.9 | 464.8 | 464.7 | 464.6 | 464.5 | 464.3 |
| 142.5° | 482.4 | 482.3 | 482.3 | 482.3 | 482.3 | 482.2 | 482.2 |
| 145° | 508.3 | 508.1 | 507.9 | 507.6 | 507.2 | 506.8 | 506.6 |
| 147.5° | 531.8 | 531.7 | 531.6 | 531.5 | 531.4 | 531.3 | 531.2 |
| 150° | 546.7 | 546.7 | 546.7 | 546.5 | 546.4 | 546.4 | 546.3 |
| 152.5° | 561.0 | 561.2 | 561.2 | 561.0 | 560.6 | 560.4 | 560.1 |
| 155° | 580.6 | 581.1 | 581.1 | 580.6 | 580.1 | 579.7 | 579.3 |
| 157.5° | 597.7 | 598.1 | 598.0 | 597.6 | 597.3 | 596.8 | 596.5 |
| 160° | 608.2 | 608.6 | 608.5 | 608.0 | 607.3 | 606.8 | 606.3 |
| 162.5° | 618.0 | 618.7 | 618.7 | 618.1 | 617.5 | 617.0 | 616.4 |
| 165° | 630.6 | 631.3 | 631.4 | 631.0 | 630.5 | 630.1 | 629.6 |
| 167.5° | 641.2 | 641.9 | 641.9 | 641.2 | 640.5 | 639.8 | 639.1 |
| 170° | 646.9 | 647.6 | 647.6 | 646.8 | 646.0 | 645.2 | 644.4 |
| 172.5° | 651.3 | 652.0 | 652.0 | 651.2 | 650.4 | 649.6 | 648.9 |
| 175° | 655.9 | 656.7 | 656.7 | 655.9 | 655.1 | 654.3 | 653.5 |
| 177.5° | 658.3 | 658.9 | 658.9 | 658.2 | 657.5 | 656.7 | 655.9 |
| 180° | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 | 657.6 |

(END OF REPORT)