

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: P332500-927

Luminaire Tested: **SA4XXDIP-C350D590U927-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332500-927
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-C350D590U927-4F0-1E-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: 2871.3 lumens
Efficiency: N/A
Efficacy: 112.2 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

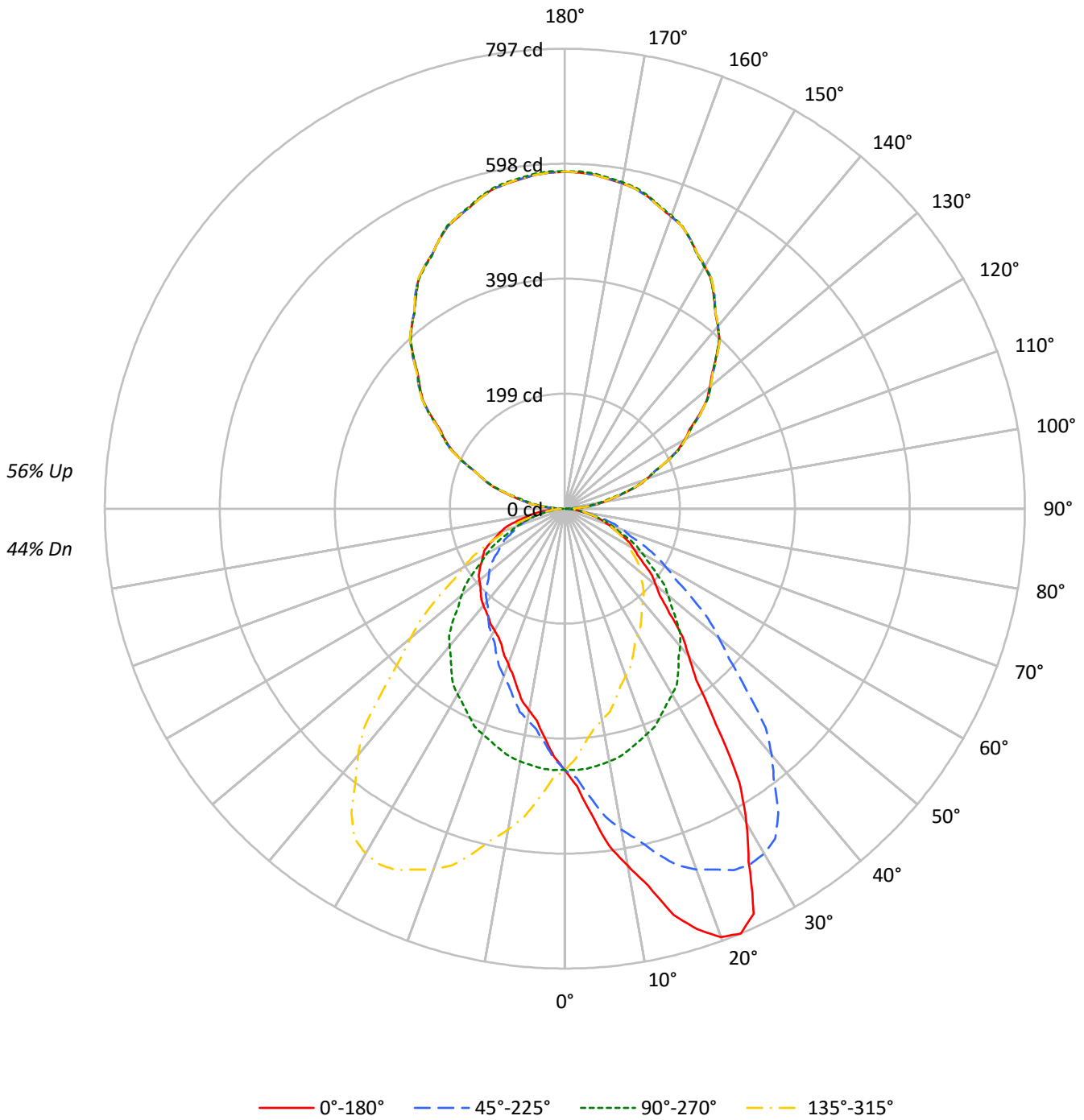
Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332500-927

CATALOG NUMBER: SA4XXDIP-C350D590U927-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P332500-927

CATALOG NUMBER: SA4XXDIP-C350D590U927-4F0-1E-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° | 3654 | 3654 | 3654 | 3654 |
| 5° | 4302 | 3663 | 3233 | 3663 |
| 10° | 5151 | 3647 | 2911 | 3647 |
| 15° | 6095 | 3611 | 2674 | 3611 |
| 20° | 6787 | 3572 | 2461 | 3572 |
| 25° | 6897 | 3517 | 2314 | 3517 |
| 30° | 5868 | 3464 | 2269 | 3464 |
| 35° | 4512 | 3377 | 2269 | 3377 |
| 40° | 3517 | 3276 | 2312 | 3276 |
| 45° | 2932 | 3123 | 2351 | 3123 |
| 50° | 2581 | 2936 | 2430 | 2936 |
| 55° | 2365 | 2712 | 2528 | 2712 |
| 60° | 2215 | 2512 | 2645 | 2512 |
| 65° | 2063 | 2288 | 2743 | 2288 |
| 70° | 1886 | 2065 | 2804 | 2065 |
| 75° | 1684 | 1818 | 2773 | 1818 |
| 80° | 1409 | 1492 | 2687 | 1492 |
| 85° | 1037 | 1074 | 2566 | 1074 |



TEST NUMBER: P332500-927

CATALOG NUMBER: SA4XXDIP-C350D590U927-4F0-1E-UDD-A1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 44.1 | 1.5 |
| 10°-20° | 135.9 | 4.7 |
| 20°-30° | 215.5 | 7.5 |
| 30°-40° | 239.8 | 8.4 |
| 40°-50° | 218.3 | 7.6 |
| 50°-60° | 178.4 | 6.2 |
| 60°-70° | 127.4 | 4.4 |
| 70°-80° | 70.1 | 2.4 |
| 80°-90° | 20.9 | 0.7 |
| 90°-100° | 38.5 | 1.3 |
| 100°-110° | 114.1 | 4.0 |
| 110°-120° | 193.7 | 6.7 |
| 120°-130° | 255.5 | 8.9 |
| 130°-140° | 286.9 | 10.0 |
| 140°-150° | 281.9 | 9.8 |
| 150°-160° | 237.1 | 8.3 |
| 160°-170° | 157.8 | 5.5 |
| 170°-180° | 55.2 | 1.9 |
| 0°-30° | 395.5 | 13.8 |
| 0°-40° | 635.3 | 22.1 |
| 0°-60° | 1032.1 | 35.9 |
| 0°-90° | 1250.5 | 43.6 |
| 90°-120° | 346.4 | 12.1 |
| 90°-150° | 1170.7 | 40.8 |
| 90°-180° | 1621.0 | 56.5 |
| 0°-180° | 2871.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0° | 453 | 453 | 453 | 453 | 453 | |
| 5° | 531 | 452 | 399 | 452 | 531 | 54 |
| 15° | 729 | 432 | 320 | 432 | 729 | 206 |
| 25° | 774 | 395 | 260 | 395 | 774 | 341 |
| 35° | 458 | 343 | 230 | 343 | 458 | 291 |
| 45° | 257 | 274 | 206 | 274 | 257 | 202 |
| 55° | 168 | 193 | 180 | 193 | 168 | 152 |
| 65° | 108 | 120 | 144 | 120 | 108 | 107 |
| 75° | 54 | 58 | 89 | 58 | 54 | 57 |
| 85° | 11 | 12 | 28 | 12 | 11 | 14 |
| 90° | 14 | 1 | 14 | 1 | 14 | 7 |
| 95° | 36 | 27 | 36 | 27 | 36 | 37 |
| 105° | 110 | 105 | 110 | 105 | 110 | 116 |
| 115° | 195 | 197 | 195 | 197 | 195 | 193 |
| 125° | 285 | 287 | 285 | 287 | 285 | 254 |
| 135° | 370 | 370 | 370 | 370 | 370 | 286 |
| 145° | 450 | 450 | 450 | 450 | 450 | 282 |
| 155° | 515 | 515 | 515 | 515 | 515 | 237 |
| 165° | 559 | 561 | 559 | 561 | 559 | 158 |
| 175° | 581 | 583 | 581 | 583 | 581 | 55 |
| 180° | 584 | 584 | 584 | 584 | 584 | |



TEST NUMBER: P332500-927

CATALOG NUMBER: SA4XXDIP-C350D590U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 |
| 2.5° | 481.6 | 481.6 | 480.1 | 479.7 | 478.7 | 477.4 | 477.1 | 474.6 | 469.8 | 467.5 | 467.0 |
| 5° | 530.9 | 534.7 | 529.8 | 528.9 | 528.3 | 522.1 | 519.0 | 515.2 | 506.6 | 501.5 | 497.6 |
| 7.5° | 589.8 | 590.2 | 588.0 | 586.4 | 581.5 | 576.2 | 568.1 | 559.4 | 549.1 | 538.5 | 530.4 |
| 10° | 628.4 | 629.9 | 627.5 | 627.2 | 617.6 | 611.6 | 599.6 | 589.5 | 577.8 | 564.9 | 553.1 |
| 12.5° | 669.2 | 667.2 | 665.9 | 657.9 | 656.1 | 645.2 | 631.2 | 620.8 | 602.9 | 588.0 | 572.3 |
| 15° | 729.3 | 725.2 | 722.5 | 711.5 | 706.1 | 690.9 | 676.0 | 664.6 | 641.2 | 618.9 | 602.0 |
| 17.5° | 764.5 | 768.7 | 762.6 | 758.0 | 744.0 | 733.3 | 718.2 | 694.2 | 675.9 | 648.2 | 626.9 |
| 20° | 790.0 | 790.4 | 787.0 | 782.4 | 771.3 | 757.8 | 741.3 | 715.1 | 693.2 | 665.6 | 636.3 |
| 22.5° | 796.9 | 797.0 | 795.6 | 791.2 | 782.8 | 771.9 | 755.3 | 733.3 | 706.8 | 676.8 | 647.5 |
| 25° | 774.3 | 773.6 | 775.2 | 780.1 | 777.0 | 773.6 | 764.0 | 747.7 | 722.9 | 691.3 | 659.7 |
| 27.5° | 690.1 | 695.4 | 704.9 | 716.8 | 728.4 | 737.2 | 739.7 | 736.3 | 721.0 | 695.0 | 661.9 |
| 30° | 629.5 | 636.0 | 643.1 | 655.1 | 678.3 | 691.7 | 706.2 | 717.3 | 711.1 | 690.3 | 659.6 |
| 32.5° | 563.0 | 564.6 | 575.1 | 588.7 | 610.1 | 635.6 | 658.9 | 681.4 | 688.8 | 677.9 | 652.2 |
| 35° | 457.8 | 460.5 | 471.9 | 485.4 | 511.4 | 542.8 | 577.7 | 608.8 | 634.5 | 644.8 | 631.6 |
| 37.5° | 373.6 | 381.1 | 389.2 | 403.7 | 426.7 | 454.9 | 491.1 | 531.4 | 569.7 | 595.3 | 599.7 |
| 40° | 333.7 | 338.4 | 344.2 | 355.3 | 374.8 | 402.5 | 433.6 | 479.7 | 520.5 | 557.2 | 569.2 |
| 42.5° | 302.2 | 305.0 | 308.6 | 318.5 | 333.4 | 361.0 | 389.4 | 430.0 | 470.8 | 514.8 | 534.9 |
| 45° | 256.8 | 259.7 | 265.7 | 271.5 | 282.7 | 301.8 | 328.3 | 361.6 | 402.7 | 445.0 | 482.2 |
| 47.5° | 224.1 | 225.9 | 229.4 | 235.7 | 245.3 | 257.9 | 279.3 | 307.2 | 345.2 | 386.4 | 426.0 |
| 50° | 205.5 | 207.0 | 209.8 | 215.4 | 222.8 | 234.0 | 251.6 | 277.7 | 307.4 | 348.9 | 387.7 |
| 52.5° | 190.8 | 191.4 | 193.5 | 197.3 | 203.1 | 212.5 | 227.0 | 248.6 | 276.3 | 313.2 | 351.9 |
| 55° | 168.0 | 168.7 | 170.6 | 173.4 | 178.5 | 184.5 | 195.5 | 211.7 | 235.8 | 267.9 | 301.5 |
| 57.5° | 149.2 | 149.8 | 151.3 | 152.4 | 156.6 | 161.4 | 170.0 | 181.5 | 199.8 | 227.0 | 257.0 |
| 60° | 137.2 | 136.9 | 138.7 | 139.7 | 142.5 | 146.6 | 153.2 | 164.2 | 180.1 | 202.1 | 229.7 |
| 62.5° | 125.6 | 125.0 | 126.6 | 127.9 | 129.4 | 132.9 | 138.3 | 146.9 | 159.9 | 179.7 | 203.6 |
| 65° | 108.0 | 107.3 | 108.2 | 109.7 | 111.1 | 113.0 | 117.0 | 124.7 | 135.0 | 149.2 | 167.4 |
| 67.5° | 90.4 | 91.2 | 91.3 | 92.1 | 92.9 | 95.5 | 98.2 | 103.6 | 110.9 | 122.3 | 137.7 |
| 70° | 79.9 | 80.1 | 80.8 | 80.8 | 81.4 | 83.7 | 85.9 | 89.0 | 96.2 | 106.7 | 119.2 |
| 72.5° | 69.4 | 70.2 | 69.9 | 70.4 | 70.9 | 72.4 | 74.0 | 77.1 | 83.1 | 90.9 | 101.6 |
| 75° | 54.0 | 54.6 | 54.6 | 54.7 | 55.3 | 55.8 | 57.2 | 59.4 | 63.8 | 69.6 | 76.8 |
| 77.5° | 39.4 | 39.5 | 39.7 | 40.4 | 40.4 | 41.3 | 42.2 | 44.0 | 46.2 | 50.1 | 54.7 |
| 80° | 30.3 | 30.7 | 30.6 | 31.0 | 31.0 | 31.7 | 32.1 | 34.3 | 35.3 | 37.9 | 41.4 |
| 82.5° | 22.3 | 22.7 | 22.6 | 23.1 | 23.4 | 23.6 | 24.1 | 25.0 | 26.0 | 28.3 | 29.7 |
| 85° | 11.2 | 11.6 | 11.2 | 11.6 | 12.2 | 12.4 | 12.9 | 13.2 | 13.9 | 14.4 | 15.8 |
| 87.5° | 6.0 | 6.4 | 6.4 | 6.5 | 6.7 | 6.8 | 6.8 | 6.6 | 7.1 | 7.1 | 7.5 |
| 90° | 13.5 | 13.4 | 13.2 | 13.0 | 12.8 | 12.4 | 11.7 | 11.2 | 10.5 | 9.9 | 9.1 |
| 92.5° | 20.0 | 20.0 | 19.8 | 19.7 | 19.6 | 19.3 | 19.0 | 18.6 | 18.2 | 17.9 | 17.3 |
| 95° | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.6 | 35.3 | 34.9 | 34.6 | 34.3 | 33.7 |
| 97.5° | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.8 | 55.4 | 55.1 | 54.7 | 54.3 | 53.5 |
| 100° | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 69.9 | 69.7 | 69.6 | 69.3 | 69.2 | 68.2 |
| 102.5° | 86.0 | 85.9 | 85.8 | 85.7 | 85.6 | 85.4 | 85.2 | 84.8 | 84.6 | 84.3 | 83.5 |
| 105° | 110.3 | 110.0 | 109.6 | 109.3 | 109.0 | 108.8 | 108.4 | 108.1 | 107.8 | 107.5 | 107.1 |
| 107.5° | 134.0 | 134.0 | 134.0 | 134.0 | 134.0 | 133.9 | 133.6 | 133.3 | 133.0 | 132.8 | 132.7 |
| 110° | 150.9 | 150.6 | 150.3 | 150.0 | 149.7 | 149.6 | 149.9 | 150.0 | 150.3 | 150.4 | 150.6 |



TEST NUMBER: P332500-927

CATALOG NUMBER: SA4XXDIP-C350D590U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 168.3 | 168.2 | 168.1 | 168.1 | 168.0 | 168.0 | 168.0 | 168.1 | 168.1 | 168.2 | 168.3 |
| 115° | 195.2 | 195.3 | 195.4 | 195.5 | 195.6 | 195.7 | 195.8 | 195.9 | 196.0 | 196.1 | 196.3 |
| 117.5° | 220.9 | 221.0 | 221.3 | 221.4 | 221.7 | 221.9 | 222.3 | 222.6 | 222.9 | 223.3 | 223.4 |
| 120° | 240.3 | 240.2 | 240.0 | 239.8 | 239.6 | 239.7 | 240.2 | 240.7 | 241.2 | 241.7 | 242.0 |
| 122.5° | 256.7 | 257.0 | 257.4 | 257.7 | 258.1 | 258.4 | 258.8 | 259.1 | 259.4 | 259.8 | 259.9 |
| 125° | 284.6 | 284.9 | 285.0 | 285.3 | 285.4 | 285.7 | 285.8 | 286.1 | 286.2 | 286.5 | 286.5 |
| 127.5° | 310.6 | 310.8 | 310.9 | 311.1 | 311.2 | 311.4 | 311.6 | 311.8 | 312.0 | 312.2 | 312.4 |
| 130° | 327.6 | 328.0 | 328.4 | 328.8 | 329.2 | 329.5 | 329.7 | 329.9 | 330.1 | 330.3 | 330.3 |
| 132.5° | 345.6 | 345.8 | 345.9 | 346.1 | 346.3 | 346.5 | 346.7 | 346.9 | 347.1 | 347.3 | 347.4 |
| 135° | 370.5 | 370.8 | 371.1 | 371.4 | 371.7 | 371.9 | 372.2 | 372.3 | 372.6 | 372.7 | 372.7 |
| 137.5° | 396.6 | 396.6 | 396.5 | 396.4 | 396.3 | 396.5 | 396.7 | 397.0 | 397.3 | 397.5 | 397.4 |
| 140° | 412.5 | 412.6 | 412.7 | 412.8 | 412.9 | 413.0 | 413.1 | 413.2 | 413.3 | 413.4 | 413.4 |
| 142.5° | 428.4 | 428.4 | 428.5 | 428.5 | 428.5 | 428.5 | 428.6 | 428.6 | 428.6 | 428.6 | 428.6 |
| 145° | 450.0 | 450.3 | 450.6 | 450.9 | 451.2 | 451.4 | 451.5 | 451.6 | 451.7 | 451.8 | 451.7 |
| 147.5° | 471.9 | 472.0 | 472.1 | 472.2 | 472.3 | 472.4 | 472.5 | 472.5 | 472.6 | 472.7 | 472.8 |
| 150° | 485.3 | 485.4 | 485.4 | 485.5 | 485.7 | 485.7 | 485.7 | 485.7 | 485.7 | 485.7 | 485.7 |
| 152.5° | 497.6 | 497.8 | 498.0 | 498.4 | 498.6 | 498.6 | 498.4 | 498.1 | 497.9 | 497.6 | 497.6 |
| 155° | 514.6 | 515.0 | 515.4 | 515.8 | 516.3 | 516.3 | 515.8 | 515.4 | 515.0 | 514.6 | 514.8 |
| 157.5° | 529.9 | 530.2 | 530.6 | 530.9 | 531.2 | 531.3 | 531.0 | 530.7 | 530.4 | 530.0 | 530.1 |
| 160° | 538.6 | 539.1 | 539.6 | 540.1 | 540.6 | 540.7 | 540.3 | 540.1 | 539.8 | 539.5 | 539.6 |
| 162.5° | 547.6 | 548.1 | 548.6 | 549.1 | 549.6 | 549.6 | 549.1 | 548.5 | 548.0 | 547.4 | 547.6 |
| 165° | 559.4 | 559.8 | 560.2 | 560.5 | 560.9 | 560.9 | 560.2 | 559.7 | 559.0 | 558.5 | 558.6 |
| 167.5° | 567.8 | 568.4 | 569.0 | 569.7 | 570.2 | 570.3 | 569.7 | 569.0 | 568.5 | 567.8 | 567.8 |
| 170° | 572.4 | 573.1 | 573.9 | 574.6 | 575.3 | 575.3 | 574.7 | 574.1 | 573.5 | 572.9 | 572.8 |
| 172.5° | 576.5 | 577.1 | 577.8 | 578.5 | 579.2 | 579.2 | 578.6 | 577.9 | 577.2 | 576.6 | 576.5 |
| 175° | 580.6 | 581.3 | 582.0 | 582.7 | 583.4 | 583.4 | 582.7 | 582.0 | 581.3 | 580.6 | 580.7 |
| 177.5° | 582.7 | 583.4 | 584.1 | 584.7 | 585.3 | 585.3 | 584.8 | 584.2 | 583.7 | 583.1 | 583.1 |
| 180° | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 |



TEST NUMBER: P332500-927

CATALOG NUMBER: SA4XXDIP-C350D590U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 |
| 2.5° | 467.1 | 465.0 | 463.5 | 462.3 | 459.1 | 457.1 | 455.6 | 453.5 | 451.1 | 448.5 | 445.4 |
| 5° | 493.6 | 487.3 | 482.6 | 475.5 | 468.7 | 463.1 | 457.2 | 452.0 | 445.7 | 438.7 | 433.6 |
| 7.5° | 521.5 | 512.0 | 499.9 | 489.3 | 477.4 | 467.1 | 458.0 | 448.5 | 438.7 | 429.1 | 420.4 |
| 10° | 539.2 | 527.0 | 513.5 | 497.6 | 482.6 | 469.3 | 456.9 | 444.9 | 433.2 | 421.7 | 411.7 |
| 12.5° | 558.3 | 543.0 | 523.1 | 504.5 | 487.7 | 469.8 | 455.0 | 440.2 | 426.2 | 414.0 | 402.4 |
| 15° | 583.8 | 561.9 | 538.8 | 513.9 | 491.8 | 471.0 | 450.5 | 432.0 | 416.2 | 400.1 | 388.8 |
| 17.5° | 599.5 | 572.4 | 546.1 | 520.0 | 493.2 | 466.9 | 444.9 | 423.5 | 403.8 | 387.8 | 373.6 |
| 20° | 609.9 | 582.9 | 550.1 | 524.0 | 492.2 | 465.2 | 439.7 | 415.8 | 395.2 | 378.2 | 363.5 |
| 22.5° | 618.9 | 587.7 | 554.8 | 520.5 | 488.9 | 460.2 | 432.3 | 408.4 | 387.3 | 369.3 | 355.3 |
| 25° | 623.8 | 588.0 | 552.3 | 518.2 | 482.2 | 448.3 | 422.9 | 394.8 | 372.3 | 353.4 | 338.4 |
| 27.5° | 624.3 | 586.0 | 545.7 | 507.8 | 470.6 | 439.0 | 407.1 | 381.9 | 358.6 | 338.6 | 324.2 |
| 30° | 622.7 | 582.7 | 539.4 | 498.4 | 461.1 | 426.7 | 398.9 | 371.6 | 347.8 | 327.9 | 312.9 |
| 32.5° | 617.3 | 575.8 | 531.3 | 487.8 | 449.2 | 415.6 | 387.0 | 360.9 | 337.7 | 318.1 | 302.4 |
| 35° | 602.2 | 561.1 | 513.7 | 468.5 | 429.0 | 395.1 | 369.2 | 342.7 | 319.5 | 301.0 | 285.7 |
| 37.5° | 578.5 | 541.4 | 493.1 | 446.4 | 407.5 | 373.4 | 347.8 | 323.9 | 302.9 | 284.1 | 268.5 |
| 40° | 557.8 | 525.1 | 476.7 | 431.2 | 389.2 | 356.8 | 332.8 | 310.9 | 290.0 | 272.2 | 257.4 |
| 42.5° | 533.9 | 505.5 | 460.9 | 412.6 | 372.1 | 339.5 | 316.2 | 296.4 | 276.9 | 260.4 | 245.6 |
| 45° | 491.4 | 472.6 | 430.6 | 386.0 | 343.8 | 313.1 | 290.8 | 273.5 | 257.1 | 240.9 | 228.5 |
| 47.5° | 442.5 | 433.2 | 397.8 | 355.5 | 315.4 | 285.1 | 265.8 | 249.9 | 235.4 | 221.7 | 210.8 |
| 50° | 409.6 | 405.1 | 374.6 | 333.7 | 295.5 | 267.0 | 247.5 | 233.8 | 221.4 | 209.5 | 199.1 |
| 52.5° | 377.2 | 377.1 | 349.5 | 312.1 | 276.7 | 249.3 | 229.9 | 217.1 | 206.4 | 196.7 | 187.4 |
| 55° | 327.7 | 333.0 | 311.4 | 278.1 | 246.4 | 221.6 | 204.1 | 192.7 | 185.2 | 177.2 | 170.2 |
| 57.5° | 282.3 | 291.0 | 273.1 | 243.8 | 217.3 | 194.6 | 179.4 | 170.8 | 162.8 | 157.9 | 152.8 |
| 60° | 252.5 | 260.8 | 246.9 | 222.2 | 197.3 | 177.8 | 163.3 | 155.6 | 148.7 | 145.3 | 141.7 |
| 62.5° | 226.2 | 233.5 | 223.2 | 200.3 | 178.6 | 159.9 | 147.7 | 140.3 | 135.6 | 132.0 | 129.6 |
| 65° | 188.5 | 194.6 | 185.8 | 169.1 | 150.5 | 135.5 | 125.6 | 119.8 | 115.3 | 113.8 | 111.1 |
| 67.5° | 152.3 | 158.0 | 153.2 | 139.0 | 124.1 | 112.7 | 105.0 | 99.4 | 96.7 | 95.5 | 93.6 |
| 70° | 130.9 | 136.5 | 131.4 | 119.1 | 107.6 | 98.1 | 90.7 | 87.5 | 84.8 | 84.2 | 81.6 |
| 72.5° | 112.7 | 116.5 | 111.5 | 101.8 | 92.1 | 84.0 | 78.3 | 74.9 | 73.5 | 72.5 | 71.1 |
| 75° | 84.5 | 87.9 | 84.5 | 77.1 | 70.1 | 64.5 | 59.7 | 58.3 | 56.6 | 56.1 | 55.1 |
| 77.5° | 59.8 | 62.7 | 60.2 | 55.5 | 50.3 | 45.9 | 43.3 | 41.7 | 41.3 | 40.3 | 40.8 |
| 80° | 45.7 | 47.6 | 45.2 | 42.0 | 37.9 | 34.9 | 33.0 | 32.1 | 31.0 | 30.6 | 31.3 |
| 82.5° | 32.9 | 33.7 | 32.4 | 30.3 | 27.3 | 25.3 | 24.0 | 22.9 | 22.7 | 22.7 | 22.7 |
| 85° | 17.0 | 16.9 | 16.7 | 14.8 | 13.9 | 12.6 | 11.8 | 11.6 | 11.4 | 11.8 | 12.2 |
| 87.5° | 7.4 | 7.4 | 7.1 | 6.3 | 5.5 | 4.9 | 4.5 | 4.2 | 4.5 | 4.9 | 5.3 |
| 90° | 8.3 | 7.5 | 6.7 | 5.8 | 4.7 | 3.6 | 2.5 | 1.3 | 2.5 | 3.6 | 4.7 |
| 92.5° | 16.8 | 16.2 | 15.6 | 14.7 | 13.5 | 12.2 | 10.9 | 9.7 | 10.9 | 12.2 | 13.5 |
| 95° | 33.0 | 32.2 | 31.5 | 30.7 | 29.8 | 28.9 | 28.0 | 27.1 | 28.0 | 28.9 | 29.8 |
| 97.5° | 52.7 | 51.8 | 51.0 | 50.2 | 49.5 | 48.8 | 48.1 | 47.4 | 48.1 | 48.8 | 49.5 |
| 100° | 67.3 | 66.4 | 65.5 | 64.9 | 64.5 | 64.1 | 63.7 | 63.2 | 63.7 | 64.1 | 64.5 |
| 102.5° | 82.6 | 81.8 | 81.0 | 80.5 | 80.3 | 80.2 | 80.0 | 79.9 | 80.0 | 80.2 | 80.3 |
| 105° | 106.7 | 106.3 | 105.9 | 105.7 | 105.6 | 105.4 | 105.4 | 105.3 | 105.4 | 105.4 | 105.6 |
| 107.5° | 132.6 | 132.5 | 132.5 | 132.5 | 132.3 | 132.1 | 132.1 | 131.9 | 132.1 | 132.1 | 132.3 |
| 110° | 150.7 | 150.8 | 150.8 | 150.8 | 150.6 | 150.4 | 150.2 | 150.0 | 150.2 | 150.4 | 150.6 |



TEST NUMBER: P332500-927

CATALOG NUMBER: SA4XXDIP-C350D590U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 168.5 | 168.7 | 168.9 | 169.0 | 168.9 | 168.9 | 168.8 | 168.8 | 168.8 | 168.9 | 168.9 |
| 115° | 196.5 | 196.7 | 196.9 | 197.0 | 197.0 | 197.0 | 197.0 | 197.0 | 197.0 | 197.0 | 197.0 |
| 117.5° | 223.6 | 223.7 | 223.9 | 223.9 | 223.8 | 223.7 | 223.6 | 223.6 | 223.6 | 223.7 | 223.8 |
| 120° | 242.3 | 242.6 | 243.0 | 242.9 | 242.5 | 242.1 | 241.7 | 241.3 | 241.7 | 242.1 | 242.5 |
| 122.5° | 260.1 | 260.2 | 260.4 | 260.3 | 260.2 | 260.0 | 259.8 | 259.7 | 259.8 | 260.0 | 260.2 |
| 125° | 286.7 | 286.8 | 286.8 | 286.9 | 286.9 | 286.9 | 286.9 | 286.9 | 286.9 | 286.9 | 286.9 |
| 127.5° | 312.5 | 312.7 | 312.8 | 312.8 | 312.5 | 312.2 | 311.9 | 311.6 | 311.9 | 312.2 | 312.5 |
| 130° | 330.3 | 330.3 | 330.3 | 330.1 | 329.9 | 329.5 | 329.2 | 328.9 | 329.2 | 329.5 | 329.9 |
| 132.5° | 347.5 | 347.5 | 347.6 | 347.5 | 347.3 | 347.1 | 346.9 | 346.7 | 346.9 | 347.1 | 347.3 |
| 135° | 372.7 | 372.7 | 372.7 | 372.5 | 371.9 | 371.2 | 370.7 | 370.0 | 370.7 | 371.2 | 371.9 |
| 137.5° | 397.2 | 397.0 | 396.9 | 396.6 | 396.3 | 396.1 | 395.8 | 395.5 | 395.8 | 396.1 | 396.3 |
| 140° | 413.4 | 413.4 | 413.4 | 413.3 | 413.1 | 412.9 | 412.7 | 412.5 | 412.7 | 412.9 | 413.1 |
| 142.5° | 428.7 | 428.8 | 428.9 | 428.9 | 428.6 | 428.5 | 428.3 | 428.0 | 428.3 | 428.5 | 428.6 |
| 145° | 451.6 | 451.5 | 451.4 | 451.1 | 450.8 | 450.4 | 450.0 | 449.6 | 450.0 | 450.4 | 450.8 |
| 147.5° | 472.9 | 472.9 | 473.0 | 472.9 | 472.3 | 471.8 | 471.3 | 470.9 | 471.3 | 471.8 | 472.3 |
| 150° | 485.7 | 485.7 | 485.7 | 485.5 | 485.1 | 484.7 | 484.3 | 483.9 | 484.3 | 484.7 | 485.1 |
| 152.5° | 497.5 | 497.4 | 497.3 | 497.2 | 496.9 | 496.7 | 496.5 | 496.2 | 496.5 | 496.7 | 496.9 |
| 155° | 514.8 | 514.9 | 515.0 | 515.1 | 515.1 | 515.1 | 515.1 | 515.1 | 515.1 | 515.1 | 515.1 |
| 157.5° | 530.1 | 530.1 | 530.1 | 530.3 | 530.4 | 530.6 | 530.8 | 531.0 | 530.8 | 530.6 | 530.4 |
| 160° | 539.7 | 539.8 | 539.9 | 540.0 | 540.1 | 540.2 | 540.3 | 540.3 | 540.3 | 540.2 | 540.1 |
| 162.5° | 547.6 | 547.7 | 547.8 | 548.0 | 548.3 | 548.5 | 548.8 | 549.1 | 548.8 | 548.5 | 548.3 |
| 165° | 558.9 | 559.0 | 559.3 | 559.5 | 559.8 | 560.1 | 560.4 | 560.7 | 560.4 | 560.1 | 559.8 |
| 167.5° | 567.8 | 567.8 | 567.8 | 568.0 | 568.4 | 568.8 | 569.3 | 569.7 | 569.3 | 568.8 | 568.4 |
| 170° | 572.7 | 572.6 | 572.5 | 572.7 | 573.2 | 573.7 | 574.3 | 574.7 | 574.3 | 573.7 | 573.2 |
| 172.5° | 576.5 | 576.5 | 576.5 | 576.6 | 577.1 | 577.5 | 577.9 | 578.3 | 577.9 | 577.5 | 577.1 |
| 175° | 580.8 | 580.9 | 581.0 | 581.3 | 581.8 | 582.3 | 582.8 | 583.3 | 582.8 | 582.3 | 581.8 |
| 177.5° | 583.1 | 583.1 | 583.1 | 583.3 | 583.8 | 584.2 | 584.6 | 584.9 | 584.6 | 584.2 | 583.8 |
| 180° | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 |



TEST NUMBER: P332500-927

CATALOG NUMBER: SA4XXDIP-C350D590U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 |
| 2.5° | 443.9 | 442.5 | 440.6 | 437.9 | 435.6 | 433.2 | 432.6 | 431.7 | 433.6 | 432.1 | 431.6 |
| 5° | 429.4 | 425.4 | 420.3 | 414.5 | 411.1 | 406.3 | 405.4 | 403.5 | 401.6 | 401.4 | 399.5 |
| 7.5° | 413.9 | 408.1 | 401.5 | 395.6 | 390.1 | 384.8 | 381.3 | 380.6 | 377.8 | 376.1 | 374.3 |
| 10° | 404.0 | 396.9 | 389.2 | 383.6 | 377.2 | 371.6 | 367.7 | 365.4 | 363.5 | 361.5 | 359.6 |
| 12.5° | 392.4 | 384.8 | 378.4 | 372.3 | 364.8 | 360.5 | 354.0 | 350.1 | 349.7 | 349.7 | 344.9 |
| 15° | 378.7 | 371.2 | 361.5 | 352.8 | 348.7 | 340.5 | 336.9 | 332.4 | 329.6 | 326.8 | 324.6 |
| 17.5° | 363.1 | 353.8 | 346.2 | 336.3 | 328.4 | 321.9 | 317.2 | 314.5 | 310.2 | 306.3 | 303.4 |
| 20° | 353.4 | 343.5 | 335.4 | 324.9 | 316.3 | 308.2 | 304.3 | 300.6 | 297.4 | 294.0 | 290.8 |
| 22.5° | 343.5 | 333.1 | 323.3 | 313.1 | 305.1 | 296.5 | 292.7 | 287.6 | 284.6 | 282.7 | 279.6 |
| 25° | 327.9 | 316.6 | 305.4 | 295.6 | 287.4 | 279.9 | 274.9 | 270.9 | 267.5 | 266.0 | 264.0 |
| 27.5° | 310.9 | 299.8 | 288.9 | 277.8 | 268.5 | 263.0 | 259.0 | 256.0 | 254.1 | 252.1 | 251.1 |
| 30° | 300.2 | 288.5 | 276.9 | 266.6 | 258.0 | 252.5 | 248.8 | 246.8 | 245.3 | 244.3 | 243.4 |
| 32.5° | 289.2 | 277.7 | 265.5 | 256.1 | 248.3 | 243.5 | 240.7 | 238.6 | 237.9 | 237.6 | 237.2 |
| 35° | 271.6 | 260.1 | 248.8 | 240.3 | 233.1 | 231.2 | 228.7 | 227.6 | 227.2 | 228.5 | 229.1 |
| 37.5° | 254.7 | 243.9 | 233.5 | 225.4 | 220.5 | 217.9 | 217.0 | 217.1 | 218.4 | 219.5 | 220.9 |
| 40° | 243.8 | 233.2 | 223.5 | 216.3 | 211.8 | 210.2 | 209.8 | 210.7 | 212.2 | 213.6 | 215.1 |
| 42.5° | 233.1 | 222.8 | 213.9 | 207.2 | 204.1 | 202.5 | 202.7 | 203.7 | 205.8 | 207.4 | 209.6 |
| 45° | 216.6 | 207.9 | 199.3 | 193.8 | 191.2 | 191.6 | 191.6 | 193.3 | 195.4 | 197.8 | 200.3 |
| 47.5° | 201.0 | 192.3 | 185.2 | 180.6 | 179.3 | 179.0 | 180.0 | 182.2 | 185.1 | 188.1 | 191.5 |
| 50° | 190.5 | 182.2 | 176.0 | 171.9 | 170.4 | 171.0 | 172.5 | 174.5 | 178.1 | 181.9 | 185.4 |
| 52.5° | 179.8 | 172.3 | 166.6 | 162.8 | 161.7 | 162.7 | 164.2 | 167.5 | 170.6 | 174.7 | 179.0 |
| 55° | 163.3 | 156.9 | 152.4 | 149.6 | 149.2 | 149.8 | 151.5 | 155.0 | 159.5 | 164.6 | 168.7 |
| 57.5° | 146.9 | 141.5 | 137.4 | 135.5 | 135.6 | 136.2 | 138.9 | 143.1 | 148.0 | 153.4 | 158.7 |
| 60° | 135.7 | 130.9 | 127.5 | 126.0 | 126.2 | 127.3 | 130.7 | 134.6 | 140.6 | 145.8 | 151.5 |
| 62.5° | 125.2 | 121.0 | 117.7 | 116.4 | 116.1 | 118.6 | 121.8 | 125.9 | 131.9 | 137.8 | 143.9 |
| 65° | 108.4 | 105.0 | 102.3 | 101.6 | 102.2 | 104.1 | 108.2 | 113.6 | 118.7 | 124.8 | 131.3 |
| 67.5° | 91.9 | 89.1 | 87.3 | 87.6 | 88.3 | 91.1 | 94.5 | 99.2 | 105.0 | 111.4 | 117.6 |
| 70° | 81.4 | 78.7 | 77.2 | 77.4 | 78.6 | 81.9 | 84.9 | 89.6 | 95.8 | 102.3 | 107.6 |
| 72.5° | 70.6 | 68.8 | 67.5 | 68.3 | 69.4 | 71.7 | 75.5 | 80.2 | 85.6 | 91.7 | 97.3 |
| 75° | 54.2 | 54.2 | 53.5 | 54.0 | 55.7 | 57.9 | 60.8 | 65.6 | 71.1 | 76.0 | 80.4 |
| 77.5° | 40.2 | 39.8 | 40.2 | 41.0 | 41.9 | 44.6 | 47.8 | 51.3 | 55.4 | 60.3 | 64.0 |
| 80° | 30.7 | 31.0 | 31.8 | 33.0 | 33.4 | 35.4 | 38.8 | 42.0 | 45.2 | 49.3 | 52.8 |
| 82.5° | 23.1 | 23.3 | 23.8 | 25.2 | 25.6 | 27.8 | 29.9 | 33.1 | 36.0 | 38.8 | 41.7 |
| 85° | 12.6 | 12.6 | 13.5 | 14.1 | 15.0 | 16.5 | 17.8 | 19.7 | 22.3 | 24.2 | 27.0 |
| 87.5° | 5.9 | 6.2 | 6.9 | 7.4 | 8.0 | 8.9 | 9.3 | 11.1 | 11.8 | 12.7 | 14.1 |
| 90° | 5.8 | 6.7 | 7.5 | 8.3 | 9.1 | 9.9 | 10.5 | 11.2 | 11.7 | 12.4 | 12.8 |
| 92.5° | 14.7 | 15.6 | 16.2 | 16.8 | 17.3 | 17.9 | 18.2 | 18.6 | 19.0 | 19.3 | 19.6 |
| 95° | 30.7 | 31.5 | 32.2 | 33.0 | 33.7 | 34.3 | 34.6 | 34.9 | 35.3 | 35.6 | 35.7 |
| 97.5° | 50.2 | 51.0 | 51.8 | 52.7 | 53.5 | 54.3 | 54.7 | 55.1 | 55.4 | 55.8 | 55.9 |
| 100° | 64.9 | 65.5 | 66.4 | 67.3 | 68.2 | 69.2 | 69.3 | 69.6 | 69.7 | 69.9 | 70.0 |
| 102.5° | 80.5 | 81.0 | 81.8 | 82.6 | 83.5 | 84.3 | 84.6 | 84.8 | 85.2 | 85.4 | 85.6 |
| 105° | 105.7 | 105.9 | 106.3 | 106.7 | 107.1 | 107.5 | 107.8 | 108.1 | 108.4 | 108.8 | 109.0 |
| 107.5° | 132.5 | 132.5 | 132.5 | 132.6 | 132.7 | 132.8 | 133.0 | 133.3 | 133.6 | 133.9 | 134.0 |
| 110° | 150.8 | 150.8 | 150.8 | 150.7 | 150.6 | 150.4 | 150.3 | 150.0 | 149.9 | 149.6 | 149.7 |



TEST NUMBER: P332500-927

CATALOG NUMBER: SA4XXDIP-C350D590U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 169.0 | 168.9 | 168.7 | 168.5 | 168.3 | 168.2 | 168.1 | 168.1 | 168.0 | 168.0 | 168.0 |
| 115° | 197.0 | 196.9 | 196.7 | 196.5 | 196.3 | 196.1 | 196.0 | 195.9 | 195.8 | 195.7 | 195.6 |
| 117.5° | 223.9 | 223.9 | 223.7 | 223.6 | 223.4 | 223.3 | 222.9 | 222.6 | 222.3 | 221.9 | 221.7 |
| 120° | 242.9 | 243.0 | 242.6 | 242.3 | 242.0 | 241.7 | 241.2 | 240.7 | 240.2 | 239.7 | 239.6 |
| 122.5° | 260.3 | 260.4 | 260.2 | 260.1 | 259.9 | 259.8 | 259.4 | 259.1 | 258.8 | 258.4 | 258.1 |
| 125° | 286.9 | 286.8 | 286.8 | 286.7 | 286.5 | 286.5 | 286.2 | 286.1 | 285.8 | 285.7 | 285.4 |
| 127.5° | 312.8 | 312.8 | 312.7 | 312.5 | 312.4 | 312.2 | 312.0 | 311.8 | 311.6 | 311.4 | 311.2 |
| 130° | 330.1 | 330.3 | 330.3 | 330.3 | 330.3 | 330.3 | 330.1 | 329.9 | 329.7 | 329.5 | 329.2 |
| 132.5° | 347.5 | 347.6 | 347.5 | 347.5 | 347.4 | 347.3 | 347.1 | 346.9 | 346.7 | 346.5 | 346.3 |
| 135° | 372.5 | 372.7 | 372.7 | 372.7 | 372.7 | 372.7 | 372.6 | 372.3 | 372.2 | 371.9 | 371.7 |
| 137.5° | 396.6 | 396.9 | 397.0 | 397.2 | 397.4 | 397.5 | 397.3 | 397.0 | 396.7 | 396.5 | 396.3 |
| 140° | 413.3 | 413.4 | 413.4 | 413.4 | 413.4 | 413.4 | 413.3 | 413.2 | 413.1 | 413.0 | 412.9 |
| 142.5° | 428.9 | 428.9 | 428.8 | 428.7 | 428.6 | 428.6 | 428.6 | 428.6 | 428.6 | 428.5 | 428.5 |
| 145° | 451.1 | 451.4 | 451.5 | 451.6 | 451.7 | 451.8 | 451.7 | 451.6 | 451.5 | 451.4 | 451.2 |
| 147.5° | 472.9 | 473.0 | 472.9 | 472.9 | 472.8 | 472.7 | 472.6 | 472.5 | 472.5 | 472.4 | 472.3 |
| 150° | 485.5 | 485.7 | 485.7 | 485.7 | 485.7 | 485.7 | 485.7 | 485.7 | 485.7 | 485.7 | 485.7 |
| 152.5° | 497.2 | 497.3 | 497.4 | 497.5 | 497.6 | 497.6 | 497.9 | 498.1 | 498.4 | 498.6 | 498.6 |
| 155° | 515.1 | 515.0 | 514.9 | 514.8 | 514.8 | 514.6 | 515.0 | 515.4 | 515.8 | 516.3 | 516.3 |
| 157.5° | 530.3 | 530.1 | 530.1 | 530.1 | 530.1 | 530.0 | 530.4 | 530.7 | 531.0 | 531.3 | 531.2 |
| 160° | 540.0 | 539.9 | 539.8 | 539.7 | 539.6 | 539.5 | 539.8 | 540.1 | 540.3 | 540.7 | 540.6 |
| 162.5° | 548.0 | 547.8 | 547.7 | 547.6 | 547.6 | 547.4 | 548.0 | 548.5 | 549.1 | 549.6 | 549.6 |
| 165° | 559.5 | 559.3 | 559.0 | 558.9 | 558.6 | 558.5 | 559.0 | 559.7 | 560.2 | 560.9 | 560.9 |
| 167.5° | 568.0 | 567.8 | 567.8 | 567.8 | 567.8 | 567.8 | 568.5 | 569.0 | 569.7 | 570.3 | 570.2 |
| 170° | 572.7 | 572.5 | 572.6 | 572.7 | 572.8 | 572.9 | 573.5 | 574.1 | 574.7 | 575.3 | 575.3 |
| 172.5° | 576.6 | 576.5 | 576.5 | 576.5 | 576.5 | 576.6 | 577.2 | 577.9 | 578.6 | 579.2 | 579.2 |
| 175° | 581.3 | 581.0 | 580.9 | 580.8 | 580.7 | 580.6 | 581.3 | 582.0 | 582.7 | 583.4 | 583.4 |
| 177.5° | 583.3 | 583.1 | 583.1 | 583.1 | 583.1 | 583.1 | 583.7 | 584.2 | 584.8 | 585.3 | 585.3 |
| 180° | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 |



TEST NUMBER: P332500-927

CATALOG NUMBER: SA4XXDIP-C350D590U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 |
| 2.5° | 431.3 | 431.0 | 429.9 | 429.8 | 429.9 | 431.0 | 431.3 | 431.6 | 432.1 | 433.6 | 431.7 |
| 5° | 398.4 | 397.4 | 396.9 | 398.9 | 396.9 | 397.4 | 398.4 | 399.5 | 401.4 | 401.6 | 403.5 |
| 7.5° | 373.6 | 372.9 | 371.2 | 370.7 | 371.2 | 372.9 | 373.6 | 374.3 | 376.1 | 377.8 | 380.6 |
| 10° | 357.7 | 357.0 | 355.5 | 355.1 | 355.5 | 357.0 | 357.7 | 359.6 | 361.5 | 363.5 | 365.4 |
| 12.5° | 342.4 | 341.0 | 340.6 | 341.0 | 340.6 | 341.0 | 342.4 | 344.9 | 349.7 | 349.7 | 350.1 |
| 15° | 322.1 | 321.3 | 319.2 | 319.9 | 319.2 | 321.3 | 322.1 | 324.6 | 326.8 | 329.6 | 332.4 |
| 17.5° | 302.1 | 301.2 | 298.7 | 300.9 | 298.7 | 301.2 | 302.1 | 303.4 | 306.3 | 310.2 | 314.5 |
| 20° | 289.5 | 288.0 | 286.7 | 286.5 | 286.7 | 288.0 | 289.5 | 290.8 | 294.0 | 297.4 | 300.6 |
| 22.5° | 277.5 | 276.2 | 276.0 | 274.8 | 276.0 | 276.2 | 277.5 | 279.6 | 282.7 | 284.6 | 287.6 |
| 25° | 262.4 | 261.2 | 260.8 | 259.8 | 260.8 | 261.2 | 262.4 | 264.0 | 266.0 | 267.5 | 270.9 |
| 27.5° | 251.0 | 250.3 | 249.6 | 249.9 | 249.6 | 250.3 | 251.0 | 251.1 | 252.1 | 254.1 | 256.0 |
| 30° | 243.9 | 243.8 | 243.4 | 243.4 | 243.4 | 243.8 | 243.9 | 243.4 | 244.3 | 245.3 | 246.8 |
| 32.5° | 238.1 | 238.1 | 238.3 | 238.3 | 238.3 | 238.1 | 238.1 | 237.2 | 237.6 | 237.9 | 238.6 |
| 35° | 229.9 | 230.4 | 230.8 | 230.2 | 230.8 | 230.4 | 229.9 | 229.1 | 228.5 | 227.2 | 227.6 |
| 37.5° | 222.4 | 223.0 | 223.6 | 224.2 | 223.6 | 223.0 | 222.4 | 220.9 | 219.5 | 218.4 | 217.1 |
| 40° | 216.7 | 218.0 | 218.4 | 219.4 | 218.4 | 218.0 | 216.7 | 215.1 | 213.6 | 212.2 | 210.7 |
| 42.5° | 211.4 | 212.8 | 213.7 | 214.0 | 213.7 | 212.8 | 211.4 | 209.6 | 207.4 | 205.8 | 203.7 |
| 45° | 203.0 | 204.5 | 205.9 | 205.9 | 205.9 | 204.5 | 203.0 | 200.3 | 197.8 | 195.4 | 193.3 |
| 47.5° | 194.5 | 196.6 | 198.0 | 198.3 | 198.0 | 196.6 | 194.5 | 191.5 | 188.1 | 185.1 | 182.2 |
| 50° | 188.6 | 191.2 | 192.6 | 193.5 | 192.6 | 191.2 | 188.6 | 185.4 | 181.9 | 178.1 | 174.5 |
| 52.5° | 182.9 | 185.5 | 187.3 | 187.7 | 187.3 | 185.5 | 182.9 | 179.0 | 174.7 | 170.6 | 167.5 |
| 55° | 173.0 | 176.8 | 178.9 | 179.6 | 178.9 | 176.8 | 173.0 | 168.7 | 164.6 | 159.5 | 155.0 |
| 57.5° | 163.7 | 167.2 | 169.6 | 170.2 | 169.6 | 167.2 | 163.7 | 158.7 | 153.4 | 148.0 | 143.1 |
| 60° | 156.5 | 160.3 | 163.3 | 163.8 | 163.3 | 160.3 | 156.5 | 151.5 | 145.8 | 140.6 | 134.6 |
| 62.5° | 149.2 | 153.1 | 155.8 | 157.2 | 155.8 | 153.1 | 149.2 | 143.9 | 137.8 | 131.9 | 125.9 |
| 65° | 136.5 | 140.5 | 143.1 | 143.6 | 143.1 | 140.5 | 136.5 | 131.3 | 124.8 | 118.7 | 113.6 |
| 67.5° | 122.6 | 126.6 | 128.3 | 129.4 | 128.3 | 126.6 | 122.6 | 117.6 | 111.4 | 105.0 | 99.2 |
| 70° | 112.9 | 116.1 | 118.0 | 118.8 | 118.0 | 116.1 | 112.9 | 107.6 | 102.3 | 95.8 | 89.6 |
| 72.5° | 101.8 | 105.1 | 107.3 | 107.5 | 107.3 | 105.1 | 101.8 | 97.3 | 91.7 | 85.6 | 80.2 |
| 75° | 84.8 | 87.8 | 88.9 | 88.9 | 88.9 | 87.8 | 84.8 | 80.4 | 76.0 | 71.1 | 65.6 |
| 77.5° | 67.1 | 68.6 | 70.0 | 70.3 | 70.0 | 68.6 | 67.1 | 64.0 | 60.3 | 55.4 | 51.3 |
| 80° | 55.7 | 56.6 | 57.8 | 57.8 | 57.8 | 56.6 | 55.7 | 52.8 | 49.3 | 45.2 | 42.0 |
| 82.5° | 44.0 | 44.8 | 45.9 | 45.7 | 45.9 | 44.8 | 44.0 | 41.7 | 38.8 | 36.0 | 33.1 |
| 85° | 26.6 | 28.3 | 28.1 | 27.7 | 28.1 | 28.3 | 26.6 | 27.0 | 24.2 | 22.3 | 19.7 |
| 87.5° | 14.6 | 14.8 | 15.3 | 15.6 | 15.3 | 14.8 | 14.6 | 14.1 | 12.7 | 11.8 | 11.1 |
| 90° | 13.0 | 13.2 | 13.4 | 13.5 | 13.4 | 13.2 | 13.0 | 12.8 | 12.4 | 11.7 | 11.2 |
| 92.5° | 19.7 | 19.8 | 20.0 | 20.0 | 20.0 | 19.8 | 19.7 | 19.6 | 19.3 | 19.0 | 18.6 |
| 95° | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.6 | 35.3 | 34.9 |
| 97.5° | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.8 | 55.4 | 55.1 |
| 100° | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 69.9 | 69.7 | 69.6 |
| 102.5° | 85.7 | 85.8 | 85.9 | 86.0 | 85.9 | 85.8 | 85.7 | 85.6 | 85.4 | 85.2 | 84.8 |
| 105° | 109.3 | 109.6 | 110.0 | 110.3 | 110.0 | 109.6 | 109.3 | 109.0 | 108.8 | 108.4 | 108.1 |
| 107.5° | 134.0 | 134.0 | 134.0 | 134.0 | 134.0 | 134.0 | 134.0 | 134.0 | 133.9 | 133.6 | 133.3 |
| 110° | 150.0 | 150.3 | 150.6 | 150.9 | 150.6 | 150.3 | 150.0 | 149.7 | 149.6 | 149.9 | 150.0 |



TEST NUMBER: P332500-927

CATALOG NUMBER: SA4XXDIP-C350D590U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 168.1 | 168.1 | 168.2 | 168.3 | 168.2 | 168.1 | 168.1 | 168.0 | 168.0 | 168.0 | 168.1 |
| 115° | 195.5 | 195.4 | 195.3 | 195.2 | 195.3 | 195.4 | 195.5 | 195.6 | 195.7 | 195.8 | 195.9 |
| 117.5° | 221.4 | 221.3 | 221.0 | 220.9 | 221.0 | 221.3 | 221.4 | 221.7 | 221.9 | 222.3 | 222.6 |
| 120° | 239.8 | 240.0 | 240.2 | 240.3 | 240.2 | 240.0 | 239.8 | 239.6 | 239.7 | 240.2 | 240.7 |
| 122.5° | 257.7 | 257.4 | 257.0 | 256.7 | 257.0 | 257.4 | 257.7 | 258.1 | 258.4 | 258.8 | 259.1 |
| 125° | 285.3 | 285.0 | 284.9 | 284.6 | 284.9 | 285.0 | 285.3 | 285.4 | 285.7 | 285.8 | 286.1 |
| 127.5° | 311.1 | 310.9 | 310.8 | 310.6 | 310.8 | 310.9 | 311.1 | 311.2 | 311.4 | 311.6 | 311.8 |
| 130° | 328.8 | 328.4 | 328.0 | 327.6 | 328.0 | 328.4 | 328.8 | 329.2 | 329.5 | 329.7 | 329.9 |
| 132.5° | 346.1 | 345.9 | 345.8 | 345.6 | 345.8 | 345.9 | 346.1 | 346.3 | 346.5 | 346.7 | 346.9 |
| 135° | 371.4 | 371.1 | 370.8 | 370.5 | 370.8 | 371.1 | 371.4 | 371.7 | 371.9 | 372.2 | 372.3 |
| 137.5° | 396.4 | 396.5 | 396.6 | 396.6 | 396.6 | 396.5 | 396.4 | 396.3 | 396.5 | 396.7 | 397.0 |
| 140° | 412.8 | 412.7 | 412.6 | 412.5 | 412.6 | 412.7 | 412.8 | 412.9 | 413.0 | 413.1 | 413.2 |
| 142.5° | 428.5 | 428.5 | 428.4 | 428.4 | 428.4 | 428.5 | 428.5 | 428.5 | 428.5 | 428.6 | 428.6 |
| 145° | 450.9 | 450.6 | 450.3 | 450.0 | 450.3 | 450.6 | 450.9 | 451.2 | 451.4 | 451.5 | 451.6 |
| 147.5° | 472.2 | 472.1 | 472.0 | 471.9 | 472.0 | 472.1 | 472.2 | 472.3 | 472.4 | 472.5 | 472.5 |
| 150° | 485.5 | 485.4 | 485.4 | 485.3 | 485.4 | 485.4 | 485.5 | 485.7 | 485.7 | 485.7 | 485.7 |
| 152.5° | 498.4 | 498.0 | 497.8 | 497.6 | 497.8 | 498.0 | 498.4 | 498.6 | 498.6 | 498.4 | 498.1 |
| 155° | 515.8 | 515.4 | 515.0 | 514.6 | 515.0 | 515.4 | 515.8 | 516.3 | 516.3 | 515.8 | 515.4 |
| 157.5° | 530.9 | 530.6 | 530.2 | 529.9 | 530.2 | 530.6 | 530.9 | 531.2 | 531.3 | 531.0 | 530.7 |
| 160° | 540.1 | 539.6 | 539.1 | 538.6 | 539.1 | 539.6 | 540.1 | 540.6 | 540.7 | 540.3 | 540.1 |
| 162.5° | 549.1 | 548.6 | 548.1 | 547.6 | 548.1 | 548.6 | 549.1 | 549.6 | 549.6 | 549.1 | 548.5 |
| 165° | 560.5 | 560.2 | 559.8 | 559.4 | 559.8 | 560.2 | 560.5 | 560.9 | 560.9 | 560.2 | 559.7 |
| 167.5° | 569.7 | 569.0 | 568.4 | 567.8 | 568.4 | 569.0 | 569.7 | 570.2 | 570.3 | 569.7 | 569.0 |
| 170° | 574.6 | 573.9 | 573.1 | 572.4 | 573.1 | 573.9 | 574.6 | 575.3 | 575.3 | 574.7 | 574.1 |
| 172.5° | 578.5 | 577.8 | 577.1 | 576.5 | 577.1 | 577.8 | 578.5 | 579.2 | 579.2 | 578.6 | 577.9 |
| 175° | 582.7 | 582.0 | 581.3 | 580.6 | 581.3 | 582.0 | 582.7 | 583.4 | 583.4 | 582.7 | 582.0 |
| 177.5° | 584.7 | 584.1 | 583.4 | 582.7 | 583.4 | 584.1 | 584.7 | 585.3 | 585.3 | 584.8 | 584.2 |
| 180° | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 |



TEST NUMBER: P332500-927

CATALOG NUMBER: SA4XXDIP-C350D590U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 |
| 2.5° | 432.6 | 433.2 | 435.6 | 437.9 | 440.6 | 442.5 | 443.9 | 445.4 | 448.5 | 451.1 | 453.5 |
| 5° | 405.4 | 406.3 | 411.1 | 414.5 | 420.3 | 425.4 | 429.4 | 433.6 | 438.7 | 445.7 | 452.0 |
| 7.5° | 381.3 | 384.8 | 390.1 | 395.6 | 401.5 | 408.1 | 413.9 | 420.4 | 429.1 | 438.7 | 448.5 |
| 10° | 367.7 | 371.6 | 377.2 | 383.6 | 389.2 | 396.9 | 404.0 | 411.7 | 421.7 | 433.2 | 444.9 |
| 12.5° | 354.0 | 360.5 | 364.8 | 372.3 | 378.4 | 384.8 | 392.4 | 402.4 | 414.0 | 426.2 | 440.2 |
| 15° | 336.9 | 340.5 | 348.7 | 352.8 | 361.5 | 371.2 | 378.7 | 388.8 | 400.1 | 416.2 | 432.0 |
| 17.5° | 317.2 | 321.9 | 328.4 | 336.3 | 346.2 | 353.8 | 363.1 | 373.6 | 387.8 | 403.8 | 423.5 |
| 20° | 304.3 | 308.2 | 316.3 | 324.9 | 335.4 | 343.5 | 353.4 | 363.5 | 378.2 | 395.2 | 415.8 |
| 22.5° | 292.7 | 296.5 | 305.1 | 313.1 | 323.3 | 333.1 | 343.5 | 355.3 | 369.3 | 387.3 | 408.4 |
| 25° | 274.9 | 279.9 | 287.4 | 295.6 | 305.4 | 316.6 | 327.9 | 338.4 | 353.4 | 372.3 | 394.8 |
| 27.5° | 259.0 | 263.0 | 268.5 | 277.8 | 288.9 | 299.8 | 310.9 | 324.2 | 338.6 | 358.6 | 381.9 |
| 30° | 248.8 | 252.5 | 258.0 | 266.6 | 276.9 | 288.5 | 300.2 | 312.9 | 327.9 | 347.8 | 371.6 |
| 32.5° | 240.7 | 243.5 | 248.3 | 256.1 | 265.5 | 277.7 | 289.2 | 302.4 | 318.1 | 337.7 | 360.9 |
| 35° | 228.7 | 231.2 | 233.1 | 240.3 | 248.8 | 260.1 | 271.6 | 285.7 | 301.0 | 319.5 | 342.7 |
| 37.5° | 217.0 | 217.9 | 220.5 | 225.4 | 233.5 | 243.9 | 254.7 | 268.5 | 284.1 | 302.9 | 323.9 |
| 40° | 209.8 | 210.2 | 211.8 | 216.3 | 223.5 | 233.2 | 243.8 | 257.4 | 272.2 | 290.0 | 310.9 |
| 42.5° | 202.7 | 202.5 | 204.1 | 207.2 | 213.9 | 222.8 | 233.1 | 245.6 | 260.4 | 276.9 | 296.4 |
| 45° | 191.6 | 191.6 | 191.2 | 193.8 | 199.3 | 207.9 | 216.6 | 228.5 | 240.9 | 257.1 | 273.5 |
| 47.5° | 180.0 | 179.0 | 179.3 | 180.6 | 185.2 | 192.3 | 201.0 | 210.8 | 221.7 | 235.4 | 249.9 |
| 50° | 172.5 | 171.0 | 170.4 | 171.9 | 176.0 | 182.2 | 190.5 | 199.1 | 209.5 | 221.4 | 233.8 |
| 52.5° | 164.2 | 162.7 | 161.7 | 162.8 | 166.6 | 172.3 | 179.8 | 187.4 | 196.7 | 206.4 | 217.1 |
| 55° | 151.5 | 149.8 | 149.2 | 149.6 | 152.4 | 156.9 | 163.3 | 170.2 | 177.2 | 185.2 | 192.7 |
| 57.5° | 138.9 | 136.2 | 135.6 | 135.5 | 137.4 | 141.5 | 146.9 | 152.8 | 157.9 | 162.8 | 170.8 |
| 60° | 130.7 | 127.3 | 126.2 | 126.0 | 127.5 | 130.9 | 135.7 | 141.7 | 145.3 | 148.7 | 155.6 |
| 62.5° | 121.8 | 118.6 | 116.1 | 116.4 | 117.7 | 121.0 | 125.2 | 129.6 | 132.0 | 135.6 | 140.3 |
| 65° | 108.2 | 104.1 | 102.2 | 101.6 | 102.3 | 105.0 | 108.4 | 111.1 | 113.8 | 115.3 | 119.8 |
| 67.5° | 94.5 | 91.1 | 88.3 | 87.6 | 87.3 | 89.1 | 91.9 | 93.6 | 95.5 | 96.7 | 99.4 |
| 70° | 84.9 | 81.9 | 78.6 | 77.4 | 77.2 | 78.7 | 81.4 | 81.6 | 84.2 | 84.8 | 87.5 |
| 72.5° | 75.5 | 71.7 | 69.4 | 68.3 | 67.5 | 68.8 | 70.6 | 71.1 | 72.5 | 73.5 | 74.9 |
| 75° | 60.8 | 57.9 | 55.7 | 54.0 | 53.5 | 54.2 | 54.2 | 55.1 | 56.1 | 56.6 | 58.3 |
| 77.5° | 47.8 | 44.6 | 41.9 | 41.0 | 40.2 | 39.8 | 40.2 | 40.8 | 40.3 | 41.3 | 41.7 |
| 80° | 38.8 | 35.4 | 33.4 | 33.0 | 31.8 | 31.0 | 30.7 | 31.3 | 30.6 | 31.0 | 32.1 |
| 82.5° | 29.9 | 27.8 | 25.6 | 25.2 | 23.8 | 23.3 | 23.1 | 22.7 | 22.7 | 22.7 | 22.9 |
| 85° | 17.8 | 16.5 | 15.0 | 14.1 | 13.5 | 12.6 | 12.6 | 12.2 | 11.8 | 11.4 | 11.6 |
| 87.5° | 9.3 | 8.9 | 8.0 | 7.4 | 6.9 | 6.2 | 5.9 | 5.3 | 4.9 | 4.5 | 4.2 |
| 90° | 10.5 | 9.9 | 9.1 | 8.3 | 7.5 | 6.7 | 5.8 | 4.7 | 3.6 | 2.5 | 1.3 |
| 92.5° | 18.2 | 17.9 | 17.3 | 16.8 | 16.2 | 15.6 | 14.7 | 13.5 | 12.2 | 10.9 | 9.7 |
| 95° | 34.6 | 34.3 | 33.7 | 33.0 | 32.2 | 31.5 | 30.7 | 29.8 | 28.9 | 28.0 | 27.1 |
| 97.5° | 54.7 | 54.3 | 53.5 | 52.7 | 51.8 | 51.0 | 50.2 | 49.5 | 48.8 | 48.1 | 47.4 |
| 100° | 69.3 | 69.2 | 68.2 | 67.3 | 66.4 | 65.5 | 64.9 | 64.5 | 64.1 | 63.7 | 63.2 |
| 102.5° | 84.6 | 84.3 | 83.5 | 82.6 | 81.8 | 81.0 | 80.5 | 80.3 | 80.2 | 80.0 | 79.9 |
| 105° | 107.8 | 107.5 | 107.1 | 106.7 | 106.3 | 105.9 | 105.7 | 105.6 | 105.4 | 105.4 | 105.3 |
| 107.5° | 133.0 | 132.8 | 132.7 | 132.6 | 132.5 | 132.5 | 132.5 | 132.3 | 132.1 | 132.1 | 131.9 |
| 110° | 150.3 | 150.4 | 150.6 | 150.7 | 150.8 | 150.8 | 150.8 | 150.6 | 150.4 | 150.2 | 150.0 |



TEST NUMBER: P332500-927

CATALOG NUMBER: SA4XXDIP-C350D590U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 168.1 | 168.2 | 168.3 | 168.5 | 168.7 | 168.9 | 169.0 | 168.9 | 168.9 | 168.8 | 168.8 |
| 115° | 196.0 | 196.1 | 196.3 | 196.5 | 196.7 | 196.9 | 197.0 | 197.0 | 197.0 | 197.0 | 197.0 |
| 117.5° | 222.9 | 223.3 | 223.4 | 223.6 | 223.7 | 223.9 | 223.9 | 223.8 | 223.7 | 223.6 | 223.6 |
| 120° | 241.2 | 241.7 | 242.0 | 242.3 | 242.6 | 243.0 | 242.9 | 242.5 | 242.1 | 241.7 | 241.3 |
| 122.5° | 259.4 | 259.8 | 259.9 | 260.1 | 260.2 | 260.4 | 260.3 | 260.2 | 260.0 | 259.8 | 259.7 |
| 125° | 286.2 | 286.5 | 286.5 | 286.7 | 286.8 | 286.8 | 286.9 | 286.9 | 286.9 | 286.9 | 286.9 |
| 127.5° | 312.0 | 312.2 | 312.4 | 312.5 | 312.7 | 312.8 | 312.8 | 312.5 | 312.2 | 311.9 | 311.6 |
| 130° | 330.1 | 330.3 | 330.3 | 330.3 | 330.3 | 330.3 | 330.1 | 329.9 | 329.5 | 329.2 | 328.9 |
| 132.5° | 347.1 | 347.3 | 347.4 | 347.5 | 347.5 | 347.6 | 347.5 | 347.3 | 347.1 | 346.9 | 346.7 |
| 135° | 372.6 | 372.7 | 372.7 | 372.7 | 372.7 | 372.7 | 372.5 | 371.9 | 371.2 | 370.7 | 370.0 |
| 137.5° | 397.3 | 397.5 | 397.4 | 397.2 | 397.0 | 396.9 | 396.6 | 396.3 | 396.1 | 395.8 | 395.5 |
| 140° | 413.3 | 413.4 | 413.4 | 413.4 | 413.4 | 413.4 | 413.3 | 413.1 | 412.9 | 412.7 | 412.5 |
| 142.5° | 428.6 | 428.6 | 428.6 | 428.7 | 428.8 | 428.9 | 428.9 | 428.6 | 428.5 | 428.3 | 428.0 |
| 145° | 451.7 | 451.8 | 451.7 | 451.6 | 451.5 | 451.4 | 451.1 | 450.8 | 450.4 | 450.0 | 449.6 |
| 147.5° | 472.6 | 472.7 | 472.8 | 472.9 | 472.9 | 473.0 | 472.9 | 472.3 | 471.8 | 471.3 | 470.9 |
| 150° | 485.7 | 485.7 | 485.7 | 485.7 | 485.7 | 485.7 | 485.5 | 485.1 | 484.7 | 484.3 | 483.9 |
| 152.5° | 497.9 | 497.6 | 497.6 | 497.5 | 497.4 | 497.3 | 497.2 | 496.9 | 496.7 | 496.5 | 496.2 |
| 155° | 515.0 | 514.6 | 514.8 | 514.8 | 514.9 | 515.0 | 515.1 | 515.1 | 515.1 | 515.1 | 515.1 |
| 157.5° | 530.4 | 530.0 | 530.1 | 530.1 | 530.1 | 530.1 | 530.3 | 530.4 | 530.6 | 530.8 | 531.0 |
| 160° | 539.8 | 539.5 | 539.6 | 539.7 | 539.8 | 539.9 | 540.0 | 540.1 | 540.2 | 540.3 | 540.3 |
| 162.5° | 548.0 | 547.4 | 547.6 | 547.6 | 547.7 | 547.8 | 548.0 | 548.3 | 548.5 | 548.8 | 549.1 |
| 165° | 559.0 | 558.5 | 558.6 | 558.9 | 559.0 | 559.3 | 559.5 | 559.8 | 560.1 | 560.4 | 560.7 |
| 167.5° | 568.5 | 567.8 | 567.8 | 567.8 | 567.8 | 567.8 | 568.0 | 568.4 | 568.8 | 569.3 | 569.7 |
| 170° | 573.5 | 572.9 | 572.8 | 572.7 | 572.6 | 572.5 | 572.7 | 573.2 | 573.7 | 574.3 | 574.7 |
| 172.5° | 577.2 | 576.6 | 576.5 | 576.5 | 576.5 | 576.5 | 576.6 | 577.1 | 577.5 | 577.9 | 578.3 |
| 175° | 581.3 | 580.6 | 580.7 | 580.8 | 580.9 | 581.0 | 581.3 | 581.8 | 582.3 | 582.8 | 583.3 |
| 177.5° | 583.7 | 583.1 | 583.1 | 583.1 | 583.1 | 583.1 | 583.3 | 583.8 | 584.2 | 584.6 | 584.9 |
| 180° | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 |



TEST NUMBER: P332500-927

CATALOG NUMBER: SA4XXDIP-C350D590U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 |
| 2.5° | 455.6 | 457.1 | 459.1 | 462.3 | 463.5 | 465.0 | 467.1 | 467.0 | 467.5 | 469.8 | 474.6 |
| 5° | 457.2 | 463.1 | 468.7 | 475.5 | 482.6 | 487.3 | 493.6 | 497.6 | 501.5 | 506.6 | 515.2 |
| 7.5° | 458.0 | 467.1 | 477.4 | 489.3 | 499.9 | 512.0 | 521.5 | 530.4 | 538.5 | 549.1 | 559.4 |
| 10° | 456.9 | 469.3 | 482.6 | 497.6 | 513.5 | 527.0 | 539.2 | 553.1 | 564.9 | 577.8 | 589.5 |
| 12.5° | 455.0 | 469.8 | 487.7 | 504.5 | 523.1 | 543.0 | 558.3 | 572.3 | 588.0 | 602.9 | 620.8 |
| 15° | 450.5 | 471.0 | 491.8 | 513.9 | 538.8 | 561.9 | 583.8 | 602.0 | 618.9 | 641.2 | 664.6 |
| 17.5° | 444.9 | 466.9 | 493.2 | 520.0 | 546.1 | 572.4 | 599.5 | 626.9 | 648.2 | 675.9 | 694.2 |
| 20° | 439.7 | 465.2 | 492.2 | 524.0 | 550.1 | 582.9 | 609.9 | 636.3 | 665.6 | 693.2 | 715.1 |
| 22.5° | 432.3 | 460.2 | 488.9 | 520.5 | 554.8 | 587.7 | 618.9 | 647.5 | 676.8 | 706.8 | 733.3 |
| 25° | 422.9 | 448.3 | 482.2 | 518.2 | 552.3 | 588.0 | 623.8 | 659.7 | 691.3 | 722.9 | 747.7 |
| 27.5° | 407.1 | 439.0 | 470.6 | 507.8 | 545.7 | 586.0 | 624.3 | 661.9 | 695.0 | 721.0 | 736.3 |
| 30° | 398.9 | 426.7 | 461.1 | 498.4 | 539.4 | 582.7 | 622.7 | 659.6 | 690.3 | 711.1 | 717.3 |
| 32.5° | 387.0 | 415.6 | 449.2 | 487.8 | 531.3 | 575.8 | 617.3 | 652.2 | 677.9 | 688.8 | 681.4 |
| 35° | 369.2 | 395.1 | 429.0 | 468.5 | 513.7 | 561.1 | 602.2 | 631.6 | 644.8 | 634.5 | 608.8 |
| 37.5° | 347.8 | 373.4 | 407.5 | 446.4 | 493.1 | 541.4 | 578.5 | 599.7 | 595.3 | 569.7 | 531.4 |
| 40° | 332.8 | 356.8 | 389.2 | 431.2 | 476.7 | 525.1 | 557.8 | 569.2 | 557.2 | 520.5 | 479.7 |
| 42.5° | 316.2 | 339.5 | 372.1 | 412.6 | 460.9 | 505.5 | 533.9 | 534.9 | 514.8 | 470.8 | 430.0 |
| 45° | 290.8 | 313.1 | 343.8 | 386.0 | 430.6 | 472.6 | 491.4 | 482.2 | 445.0 | 402.7 | 361.6 |
| 47.5° | 265.8 | 285.1 | 315.4 | 355.5 | 397.8 | 433.2 | 442.5 | 426.0 | 386.4 | 345.2 | 307.2 |
| 50° | 247.5 | 267.0 | 295.5 | 333.7 | 374.6 | 405.1 | 409.6 | 387.7 | 348.9 | 307.4 | 277.7 |
| 52.5° | 229.9 | 249.3 | 276.7 | 312.1 | 349.5 | 377.1 | 377.2 | 351.9 | 313.2 | 276.3 | 248.6 |
| 55° | 204.1 | 221.6 | 246.4 | 278.1 | 311.4 | 333.0 | 327.7 | 301.5 | 267.9 | 235.8 | 211.7 |
| 57.5° | 179.4 | 194.6 | 217.3 | 243.8 | 273.1 | 291.0 | 282.3 | 257.0 | 227.0 | 199.8 | 181.5 |
| 60° | 163.3 | 177.8 | 197.3 | 222.2 | 246.9 | 260.8 | 252.5 | 229.7 | 202.1 | 180.1 | 164.2 |
| 62.5° | 147.7 | 159.9 | 178.6 | 200.3 | 223.2 | 233.5 | 226.2 | 203.6 | 179.7 | 159.9 | 146.9 |
| 65° | 125.6 | 135.5 | 150.5 | 169.1 | 185.8 | 194.6 | 188.5 | 167.4 | 149.2 | 135.0 | 124.7 |
| 67.5° | 105.0 | 112.7 | 124.1 | 139.0 | 153.2 | 158.0 | 152.3 | 137.7 | 122.3 | 110.9 | 103.6 |
| 70° | 90.7 | 98.1 | 107.6 | 119.1 | 131.4 | 136.5 | 130.9 | 119.2 | 106.7 | 96.2 | 89.0 |
| 72.5° | 78.3 | 84.0 | 92.1 | 101.8 | 111.5 | 116.5 | 112.7 | 101.6 | 90.9 | 83.1 | 77.1 |
| 75° | 59.7 | 64.5 | 70.1 | 77.1 | 84.5 | 87.9 | 84.5 | 76.8 | 69.6 | 63.8 | 59.4 |
| 77.5° | 43.3 | 45.9 | 50.3 | 55.5 | 60.2 | 62.7 | 59.8 | 54.7 | 50.1 | 46.2 | 44.0 |
| 80° | 33.0 | 34.9 | 37.9 | 42.0 | 45.2 | 47.6 | 45.7 | 41.4 | 37.9 | 35.3 | 34.3 |
| 82.5° | 24.0 | 25.3 | 27.3 | 30.3 | 32.4 | 33.7 | 32.9 | 29.7 | 28.3 | 26.0 | 25.0 |
| 85° | 11.8 | 12.6 | 13.9 | 14.8 | 16.7 | 16.9 | 17.0 | 15.8 | 14.4 | 13.9 | 13.2 |
| 87.5° | 4.5 | 4.9 | 5.5 | 6.3 | 7.1 | 7.4 | 7.4 | 7.5 | 7.1 | 7.1 | 6.6 |
| 90° | 2.5 | 3.6 | 4.7 | 5.8 | 6.7 | 7.5 | 8.3 | 9.1 | 9.9 | 10.5 | 11.2 |
| 92.5° | 10.9 | 12.2 | 13.5 | 14.7 | 15.6 | 16.2 | 16.8 | 17.3 | 17.9 | 18.2 | 18.6 |
| 95° | 28.0 | 28.9 | 29.8 | 30.7 | 31.5 | 32.2 | 33.0 | 33.7 | 34.3 | 34.6 | 34.9 |
| 97.5° | 48.1 | 48.8 | 49.5 | 50.2 | 51.0 | 51.8 | 52.7 | 53.5 | 54.3 | 54.7 | 55.1 |
| 100° | 63.7 | 64.1 | 64.5 | 64.9 | 65.5 | 66.4 | 67.3 | 68.2 | 69.2 | 69.3 | 69.6 |
| 102.5° | 80.0 | 80.2 | 80.3 | 80.5 | 81.0 | 81.8 | 82.6 | 83.5 | 84.3 | 84.6 | 84.8 |
| 105° | 105.4 | 105.4 | 105.6 | 105.7 | 105.9 | 106.3 | 106.7 | 107.1 | 107.5 | 107.8 | 108.1 |
| 107.5° | 132.1 | 132.1 | 132.3 | 132.5 | 132.5 | 132.5 | 132.6 | 132.7 | 132.8 | 133.0 | 133.3 |
| 110° | 150.2 | 150.4 | 150.6 | 150.8 | 150.8 | 150.8 | 150.7 | 150.6 | 150.4 | 150.3 | 150.0 |



TEST NUMBER: P332500-927

CATALOG NUMBER: SA4XXDIP-C350D590U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 168.8 | 168.9 | 168.9 | 169.0 | 168.9 | 168.7 | 168.5 | 168.3 | 168.2 | 168.1 | 168.1 |
| 115° | 197.0 | 197.0 | 197.0 | 197.0 | 196.9 | 196.7 | 196.5 | 196.3 | 196.1 | 196.0 | 195.9 |
| 117.5° | 223.6 | 223.7 | 223.8 | 223.9 | 223.9 | 223.7 | 223.6 | 223.4 | 223.3 | 222.9 | 222.6 |
| 120° | 241.7 | 242.1 | 242.5 | 242.9 | 243.0 | 242.6 | 242.3 | 242.0 | 241.7 | 241.2 | 240.7 |
| 122.5° | 259.8 | 260.0 | 260.2 | 260.3 | 260.4 | 260.2 | 260.1 | 259.9 | 259.8 | 259.4 | 259.1 |
| 125° | 286.9 | 286.9 | 286.9 | 286.9 | 286.8 | 286.8 | 286.7 | 286.5 | 286.5 | 286.2 | 286.1 |
| 127.5° | 311.9 | 312.2 | 312.5 | 312.8 | 312.8 | 312.7 | 312.5 | 312.4 | 312.2 | 312.0 | 311.8 |
| 130° | 329.2 | 329.5 | 329.9 | 330.1 | 330.3 | 330.3 | 330.3 | 330.3 | 330.3 | 330.1 | 329.9 |
| 132.5° | 346.9 | 347.1 | 347.3 | 347.5 | 347.6 | 347.5 | 347.5 | 347.4 | 347.3 | 347.1 | 346.9 |
| 135° | 370.7 | 371.2 | 371.9 | 372.5 | 372.7 | 372.7 | 372.7 | 372.7 | 372.7 | 372.6 | 372.3 |
| 137.5° | 395.8 | 396.1 | 396.3 | 396.6 | 396.9 | 397.0 | 397.2 | 397.4 | 397.5 | 397.3 | 397.0 |
| 140° | 412.7 | 412.9 | 413.1 | 413.3 | 413.4 | 413.4 | 413.4 | 413.4 | 413.4 | 413.3 | 413.2 |
| 142.5° | 428.3 | 428.5 | 428.6 | 428.9 | 428.9 | 428.8 | 428.7 | 428.6 | 428.6 | 428.6 | 428.6 |
| 145° | 450.0 | 450.4 | 450.8 | 451.1 | 451.4 | 451.5 | 451.6 | 451.7 | 451.8 | 451.7 | 451.6 |
| 147.5° | 471.3 | 471.8 | 472.3 | 472.9 | 473.0 | 472.9 | 472.9 | 472.8 | 472.7 | 472.6 | 472.5 |
| 150° | 484.3 | 484.7 | 485.1 | 485.5 | 485.7 | 485.7 | 485.7 | 485.7 | 485.7 | 485.7 | 485.7 |
| 152.5° | 496.5 | 496.7 | 496.9 | 497.2 | 497.3 | 497.4 | 497.5 | 497.6 | 497.6 | 497.9 | 498.1 |
| 155° | 515.1 | 515.1 | 515.1 | 515.1 | 515.0 | 514.9 | 514.8 | 514.8 | 514.6 | 515.0 | 515.4 |
| 157.5° | 530.8 | 530.6 | 530.4 | 530.3 | 530.1 | 530.1 | 530.1 | 530.1 | 530.0 | 530.4 | 530.7 |
| 160° | 540.3 | 540.2 | 540.1 | 540.0 | 539.9 | 539.8 | 539.7 | 539.6 | 539.5 | 539.8 | 540.1 |
| 162.5° | 548.8 | 548.5 | 548.3 | 548.0 | 547.8 | 547.7 | 547.6 | 547.6 | 547.4 | 548.0 | 548.5 |
| 165° | 560.4 | 560.1 | 559.8 | 559.5 | 559.3 | 559.0 | 558.9 | 558.6 | 558.5 | 559.0 | 559.7 |
| 167.5° | 569.3 | 568.8 | 568.4 | 568.0 | 567.8 | 567.8 | 567.8 | 567.8 | 567.8 | 568.5 | 569.0 |
| 170° | 574.3 | 573.7 | 573.2 | 572.7 | 572.5 | 572.6 | 572.7 | 572.8 | 572.9 | 573.5 | 574.1 |
| 172.5° | 577.9 | 577.5 | 577.1 | 576.6 | 576.5 | 576.5 | 576.5 | 576.5 | 576.6 | 577.2 | 577.9 |
| 175° | 582.8 | 582.3 | 581.8 | 581.3 | 581.0 | 580.9 | 580.8 | 580.7 | 580.6 | 581.3 | 582.0 |
| 177.5° | 584.6 | 584.2 | 583.8 | 583.3 | 583.1 | 583.1 | 583.1 | 583.1 | 583.1 | 583.7 | 584.2 |
| 180° | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 |



TEST NUMBER: P332500-927

CATALOG NUMBER: SA4XXDIP-C350D590U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 | 452.6 |
| 2.5° | 477.1 | 477.4 | 478.7 | 479.7 | 480.1 | 481.6 | 481.6 |
| 5° | 519.0 | 522.1 | 528.3 | 528.9 | 529.8 | 534.7 | 530.9 |
| 7.5° | 568.1 | 576.2 | 581.5 | 586.4 | 588.0 | 590.2 | 589.8 |
| 10° | 599.6 | 611.6 | 617.6 | 627.2 | 627.5 | 629.9 | 628.4 |
| 12.5° | 631.2 | 645.2 | 656.1 | 657.9 | 665.9 | 667.2 | 669.2 |
| 15° | 676.0 | 690.9 | 706.1 | 711.5 | 722.5 | 725.2 | 729.3 |
| 17.5° | 718.2 | 733.3 | 744.0 | 758.0 | 762.6 | 768.7 | 764.5 |
| 20° | 741.3 | 757.8 | 771.3 | 782.4 | 787.0 | 790.4 | 790.0 |
| 22.5° | 755.3 | 771.9 | 782.8 | 791.2 | 795.6 | 797.0 | 796.9 |
| 25° | 764.0 | 773.6 | 777.0 | 780.1 | 775.2 | 773.6 | 774.3 |
| 27.5° | 739.7 | 737.2 | 728.4 | 716.8 | 704.9 | 695.4 | 690.1 |
| 30° | 706.2 | 691.7 | 678.3 | 655.1 | 643.1 | 636.0 | 629.5 |
| 32.5° | 658.9 | 635.6 | 610.1 | 588.7 | 575.1 | 564.6 | 563.0 |
| 35° | 577.7 | 542.8 | 511.4 | 485.4 | 471.9 | 460.5 | 457.8 |
| 37.5° | 491.1 | 454.9 | 426.7 | 403.7 | 389.2 | 381.1 | 373.6 |
| 40° | 433.6 | 402.5 | 374.8 | 355.3 | 344.2 | 338.4 | 333.7 |
| 42.5° | 389.4 | 361.0 | 333.4 | 318.5 | 308.6 | 305.0 | 302.2 |
| 45° | 328.3 | 301.8 | 282.7 | 271.5 | 265.7 | 259.7 | 256.8 |
| 47.5° | 279.3 | 257.9 | 245.3 | 235.7 | 229.4 | 225.9 | 224.1 |
| 50° | 251.6 | 234.0 | 222.8 | 215.4 | 209.8 | 207.0 | 205.5 |
| 52.5° | 227.0 | 212.5 | 203.1 | 197.3 | 193.5 | 191.4 | 190.8 |
| 55° | 195.5 | 184.5 | 178.5 | 173.4 | 170.6 | 168.7 | 168.0 |
| 57.5° | 170.0 | 161.4 | 156.6 | 152.4 | 151.3 | 149.8 | 149.2 |
| 60° | 153.2 | 146.6 | 142.5 | 139.7 | 138.7 | 136.9 | 137.2 |
| 62.5° | 138.3 | 132.9 | 129.4 | 127.9 | 126.6 | 125.0 | 125.6 |
| 65° | 117.0 | 113.0 | 111.1 | 109.7 | 108.2 | 107.3 | 108.0 |
| 67.5° | 98.2 | 95.5 | 92.9 | 92.1 | 91.3 | 91.2 | 90.4 |
| 70° | 85.9 | 83.7 | 81.4 | 80.8 | 80.8 | 80.1 | 79.9 |
| 72.5° | 74.0 | 72.4 | 70.9 | 70.4 | 69.9 | 70.2 | 69.4 |
| 75° | 57.2 | 55.8 | 55.3 | 54.7 | 54.6 | 54.6 | 54.0 |
| 77.5° | 42.2 | 41.3 | 40.4 | 40.4 | 39.7 | 39.5 | 39.4 |
| 80° | 32.1 | 31.7 | 31.0 | 31.0 | 30.6 | 30.7 | 30.3 |
| 82.5° | 24.1 | 23.6 | 23.4 | 23.1 | 22.6 | 22.7 | 22.3 |
| 85° | 12.9 | 12.4 | 12.2 | 11.6 | 11.2 | 11.6 | 11.2 |
| 87.5° | 6.8 | 6.8 | 6.7 | 6.5 | 6.4 | 6.4 | 6.0 |
| 90° | 11.7 | 12.4 | 12.8 | 13.0 | 13.2 | 13.4 | 13.5 |
| 92.5° | 19.0 | 19.3 | 19.6 | 19.7 | 19.8 | 20.0 | 20.0 |
| 95° | 35.3 | 35.6 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 97.5° | 55.4 | 55.8 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 |
| 100° | 69.7 | 69.9 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| 102.5° | 85.2 | 85.4 | 85.6 | 85.7 | 85.8 | 85.9 | 86.0 |
| 105° | 108.4 | 108.8 | 109.0 | 109.3 | 109.6 | 110.0 | 110.3 |
| 107.5° | 133.6 | 133.9 | 134.0 | 134.0 | 134.0 | 134.0 | 134.0 |
| 110° | 149.9 | 149.6 | 149.7 | 150.0 | 150.3 | 150.6 | 150.9 |



TEST NUMBER: P332500-927

CATALOG NUMBER: SA4XXDIP-C350D590U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 168.0 | 168.0 | 168.0 | 168.1 | 168.1 | 168.2 | 168.3 |
| 115° | 195.8 | 195.7 | 195.6 | 195.5 | 195.4 | 195.3 | 195.2 |
| 117.5° | 222.3 | 221.9 | 221.7 | 221.4 | 221.3 | 221.0 | 220.9 |
| 120° | 240.2 | 239.7 | 239.6 | 239.8 | 240.0 | 240.2 | 240.3 |
| 122.5° | 258.8 | 258.4 | 258.1 | 257.7 | 257.4 | 257.0 | 256.7 |
| 125° | 285.8 | 285.7 | 285.4 | 285.3 | 285.0 | 284.9 | 284.6 |
| 127.5° | 311.6 | 311.4 | 311.2 | 311.1 | 310.9 | 310.8 | 310.6 |
| 130° | 329.7 | 329.5 | 329.2 | 328.8 | 328.4 | 328.0 | 327.6 |
| 132.5° | 346.7 | 346.5 | 346.3 | 346.1 | 345.9 | 345.8 | 345.6 |
| 135° | 372.2 | 371.9 | 371.7 | 371.4 | 371.1 | 370.8 | 370.5 |
| 137.5° | 396.7 | 396.5 | 396.3 | 396.4 | 396.5 | 396.6 | 396.6 |
| 140° | 413.1 | 413.0 | 412.9 | 412.8 | 412.7 | 412.6 | 412.5 |
| 142.5° | 428.6 | 428.5 | 428.5 | 428.5 | 428.5 | 428.4 | 428.4 |
| 145° | 451.5 | 451.4 | 451.2 | 450.9 | 450.6 | 450.3 | 450.0 |
| 147.5° | 472.5 | 472.4 | 472.3 | 472.2 | 472.1 | 472.0 | 471.9 |
| 150° | 485.7 | 485.7 | 485.7 | 485.5 | 485.4 | 485.4 | 485.3 |
| 152.5° | 498.4 | 498.6 | 498.6 | 498.4 | 498.0 | 497.8 | 497.6 |
| 155° | 515.8 | 516.3 | 516.3 | 515.8 | 515.4 | 515.0 | 514.6 |
| 157.5° | 531.0 | 531.3 | 531.2 | 530.9 | 530.6 | 530.2 | 529.9 |
| 160° | 540.3 | 540.7 | 540.6 | 540.1 | 539.6 | 539.1 | 538.6 |
| 162.5° | 549.1 | 549.6 | 549.6 | 549.1 | 548.6 | 548.1 | 547.6 |
| 165° | 560.2 | 560.9 | 560.9 | 560.5 | 560.2 | 559.8 | 559.4 |
| 167.5° | 569.7 | 570.3 | 570.2 | 569.7 | 569.0 | 568.4 | 567.8 |
| 170° | 574.7 | 575.3 | 575.3 | 574.6 | 573.9 | 573.1 | 572.4 |
| 172.5° | 578.6 | 579.2 | 579.2 | 578.5 | 577.8 | 577.1 | 576.5 |
| 175° | 582.7 | 583.4 | 583.4 | 582.7 | 582.0 | 581.3 | 580.6 |
| 177.5° | 584.8 | 585.3 | 585.3 | 584.7 | 584.1 | 583.4 | 582.7 |
| 180° | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 | 584.2 |

(END OF REPORT)