

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: P331627-830

Luminaire Tested: **SA2XXRDIP-C290D725U830-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331627-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 290 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 725 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

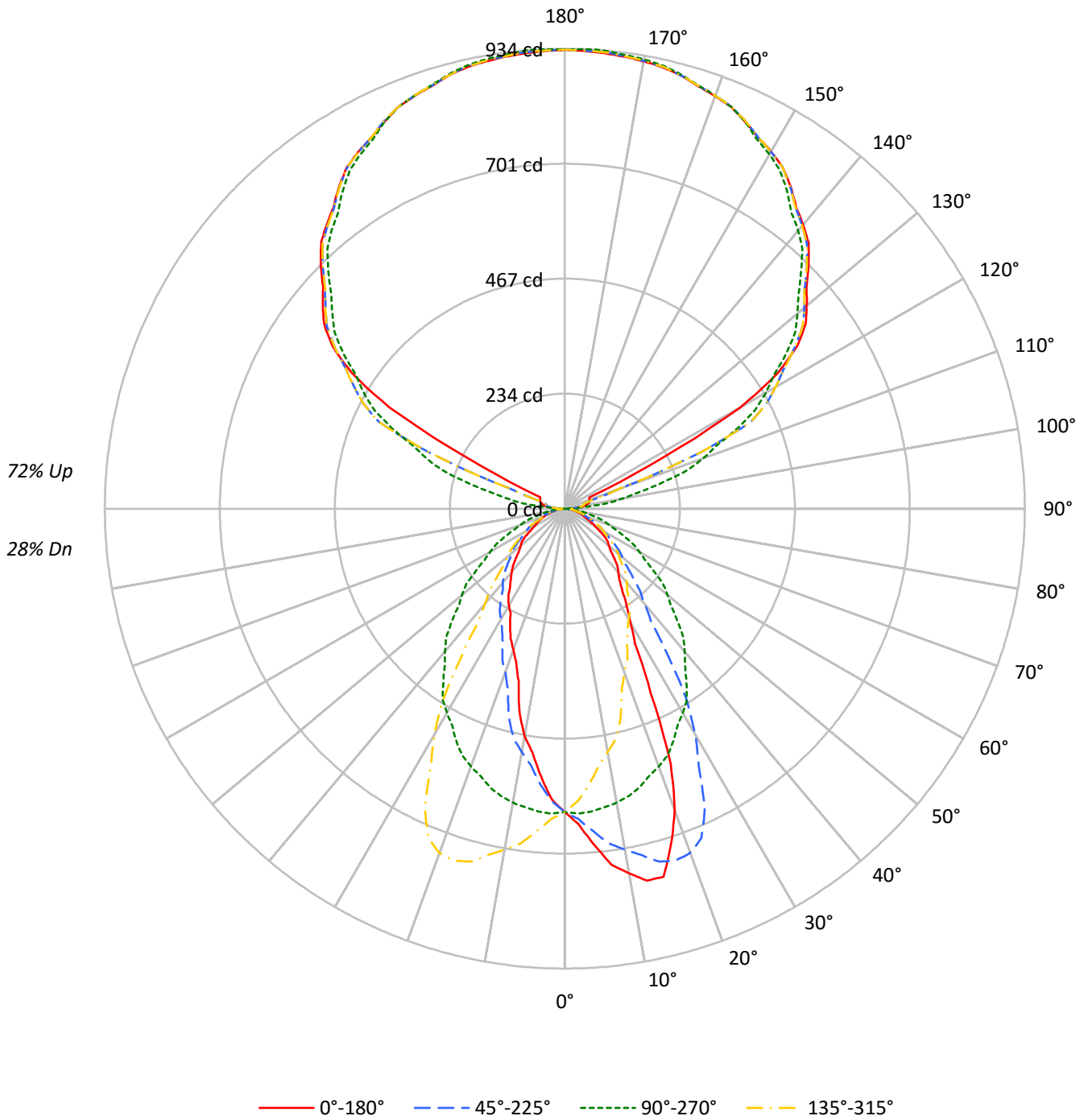
Lumens per Lamp: N/A
Luminaire Lumens: 3797.8 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 31.2
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: P331627-830
CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P331627-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 102 | 102 | 102 | 102 | 91 | 91 | 91 | 91 | 71 | 71 | 71 | 53 | 53 | 53 | 36 | 36 | 36 | 28 |
| 1 | 93 | 89 | 86 | 82 | 83 | 80 | 77 | 74 | 63 | 61 | 59 | 47 | 46 | 45 | 32 | 32 | 31 | 24 |
| 2 | 85 | 78 | 73 | 68 | 76 | 70 | 66 | 62 | 56 | 52 | 50 | 42 | 40 | 38 | 29 | 28 | 27 | 21 |
| 3 | 78 | 69 | 63 | 57 | 70 | 62 | 57 | 52 | 49 | 45 | 42 | 37 | 35 | 33 | 26 | 25 | 23 | 19 |
| 4 | 72 | 62 | 54 | 49 | 64 | 56 | 49 | 44 | 44 | 40 | 36 | 34 | 31 | 28 | 24 | 22 | 21 | 16 |
| 5 | 66 | 55 | 47 | 42 | 59 | 50 | 43 | 38 | 40 | 35 | 32 | 30 | 27 | 25 | 22 | 20 | 18 | 15 |
| 6 | 61 | 49 | 42 | 36 | 54 | 45 | 38 | 33 | 36 | 31 | 28 | 28 | 24 | 22 | 20 | 18 | 16 | 13 |
| 7 | 56 | 45 | 37 | 32 | 50 | 40 | 34 | 29 | 33 | 28 | 24 | 25 | 22 | 20 | 18 | 16 | 15 | 12 |
| 8 | 52 | 41 | 33 | 28 | 47 | 37 | 31 | 26 | 30 | 25 | 22 | 23 | 20 | 18 | 17 | 15 | 13 | 11 |
| 9 | 48 | 37 | 30 | 25 | 44 | 34 | 28 | 23 | 27 | 23 | 20 | 21 | 18 | 16 | 16 | 14 | 12 | 10 |
| 10 | 45 | 34 | 27 | 23 | 41 | 31 | 25 | 21 | 25 | 21 | 18 | 20 | 17 | 14 | 15 | 13 | 11 | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|------|-------|
| 0° | 9947 | 9947 | 9947 | 9947 |
| 5° | 11110 | 10010 | 8877 | 10010 |
| 10° | 12329 | 9940 | 7694 | 9940 |
| 15° | 12933 | 9795 | 6063 | 9795 |
| 20° | 11213 | 9579 | 5246 | 9579 |
| 25° | 7352 | 9283 | 4684 | 9283 |
| 30° | 4950 | 8925 | 4238 | 8925 |
| 35° | 4009 | 8474 | 3824 | 8474 |
| 40° | 3564 | 7982 | 3539 | 7982 |
| 45° | 3226 | 7405 | 3158 | 7405 |
| 50° | 2936 | 6835 | 2926 | 6835 |
| 55° | 2759 | 6201 | 2725 | 6201 |
| 60° | 2309 | 5622 | 2283 | 5622 |
| 65° | 1948 | 5104 | 2208 | 5104 |
| 70° | 1799 | 4556 | 2082 | 4556 |
| 75° | 1684 | 3968 | 1921 | 3968 |
| 80° | 1553 | 3273 | 1711 | 3273 |
| 85° | 1426 | 2575 | 1501 | 2575 |



TEST NUMBER: P331627-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 58.4 | 1.5 |
| 10°-20° | 162.8 | 4.3 |
| 20°-30° | 209.7 | 5.5 |
| 30°-40° | 199.3 | 5.2 |
| 40°-50° | 170.7 | 4.5 |
| 50°-60° | 130.0 | 3.4 |
| 60°-70° | 82.2 | 2.2 |
| 70°-80° | 41.0 | 1.1 |
| 80°-90° | 13.0 | 0.3 |
| 90°-100° | 31.1 | 0.8 |
| 100°-110° | 114.0 | 3.0 |
| 110°-120° | 304.7 | 8.0 |
| 120°-130° | 502.9 | 13.2 |
| 130°-140° | 534.9 | 14.1 |
| 140°-150° | 497.1 | 13.1 |
| 150°-160° | 399.7 | 10.5 |
| 160°-170° | 257.6 | 6.8 |
| 170°-180° | 88.7 | 2.3 |
| 0°-30° | 430.9 | 11.3 |
| 0°-40° | 630.2 | 16.6 |
| 0°-60° | 931.0 | 24.5 |
| 0°-90° | 1067.2 | 28.1 |
| 90°-120° | 449.7 | 11.8 |
| 90°-150° | 1984.7 | 52.3 |
| 90°-180° | 2731.0 | 71.9 |
| 0°-180° | 3797.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0° | 616 | 616 | 616 | 616 | 616 | |
| 5° | 686 | 618 | 548 | 618 | 686 | 68 |
| 15° | 774 | 586 | 363 | 586 | 774 | 209 |
| 25° | 413 | 521 | 263 | 521 | 413 | 196 |
| 35° | 203 | 430 | 194 | 430 | 203 | 130 |
| 45° | 141 | 324 | 138 | 324 | 141 | 109 |
| 55° | 98 | 220 | 97 | 220 | 98 | 86 |
| 65° | 51 | 134 | 58 | 134 | 51 | 52 |
| 75° | 27 | 64 | 31 | 64 | 27 | 29 |
| 85° | 8 | 14 | 8 | 14 | 8 | 9 |
| 90° | 18 | 1 | 18 | 1 | 18 | 8 |
| 95° | 29 | 44 | 29 | 44 | 29 | 27 |
| 105° | 51 | 205 | 51 | 205 | 51 | 53 |
| 115° | 55 | 388 | 55 | 388 | 55 | 138 |
| 125° | 576 | 548 | 576 | 548 | 576 | 499 |
| 135° | 700 | 678 | 700 | 678 | 700 | 540 |
| 145° | 799 | 787 | 799 | 787 | 799 | 500 |
| 155° | 867 | 866 | 867 | 866 | 867 | 400 |
| 165° | 911 | 913 | 911 | 913 | 911 | 257 |
| 175° | 928 | 934 | 928 | 934 | 928 | 88 |
| 180° | 932 | 932 | 932 | 932 | 932 | |



TEST NUMBER: P331627-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 |
| 2.5° | 641.2 | 641.7 | 642.2 | 641.0 | 641.0 | 640.0 | 637.7 | 636.0 | 631.2 | 630.6 | 630.6 |
| 5° | 685.5 | 685.1 | 686.0 | 683.2 | 679.4 | 678.4 | 674.4 | 669.0 | 663.5 | 657.3 | 656.0 |
| 7.5° | 729.6 | 729.0 | 727.3 | 726.8 | 723.9 | 717.4 | 710.9 | 703.9 | 694.7 | 685.6 | 681.1 |
| 10° | 752.0 | 759.0 | 754.7 | 747.2 | 748.7 | 738.7 | 733.3 | 724.1 | 716.3 | 702.9 | 699.9 |
| 12.5° | 773.8 | 776.7 | 775.2 | 771.0 | 769.1 | 762.1 | 754.9 | 746.9 | 732.6 | 720.6 | 710.0 |
| 15° | 773.7 | 777.8 | 778.9 | 777.6 | 778.6 | 778.3 | 774.4 | 767.8 | 755.4 | 742.1 | 730.5 |
| 17.5° | 716.6 | 719.4 | 726.5 | 731.2 | 737.3 | 749.9 | 756.2 | 758.6 | 756.8 | 749.1 | 741.0 |
| 20° | 652.6 | 647.9 | 667.6 | 677.6 | 686.2 | 707.6 | 726.0 | 733.1 | 744.4 | 744.2 | 742.1 |
| 22.5° | 561.8 | 562.9 | 581.5 | 593.5 | 618.5 | 640.0 | 660.9 | 687.5 | 709.5 | 724.0 | 732.4 |
| 25° | 412.7 | 420.9 | 439.5 | 455.8 | 483.6 | 523.5 | 559.7 | 601.6 | 641.2 | 672.5 | 702.3 |
| 27.5° | 310.0 | 310.7 | 325.4 | 340.4 | 356.9 | 389.6 | 435.2 | 485.2 | 541.7 | 588.3 | 641.9 |
| 30° | 265.5 | 264.2 | 270.4 | 279.7 | 293.8 | 319.1 | 353.3 | 402.5 | 458.8 | 529.0 | 591.5 |
| 32.5° | 233.9 | 234.0 | 238.7 | 245.5 | 257.2 | 274.3 | 297.7 | 337.8 | 391.0 | 460.1 | 533.3 |
| 35° | 203.4 | 203.2 | 206.6 | 211.5 | 216.4 | 227.3 | 243.5 | 264.4 | 301.0 | 365.4 | 440.4 |
| 37.5° | 181.4 | 182.4 | 184.1 | 187.2 | 192.6 | 198.7 | 208.3 | 222.4 | 248.5 | 286.6 | 349.6 |
| 40° | 169.1 | 169.6 | 171.9 | 174.5 | 177.7 | 182.4 | 190.3 | 201.7 | 220.7 | 251.1 | 297.2 |
| 42.5° | 157.9 | 158.3 | 159.9 | 162.3 | 164.9 | 169.6 | 176.2 | 186.0 | 201.4 | 225.1 | 263.1 |
| 45° | 141.3 | 141.3 | 142.8 | 143.8 | 146.7 | 150.9 | 156.3 | 164.5 | 175.1 | 192.7 | 217.9 |
| 47.5° | 125.8 | 125.8 | 126.9 | 128.7 | 130.4 | 133.7 | 139.0 | 145.7 | 153.4 | 167.0 | 188.6 |
| 50° | 116.9 | 117.2 | 117.7 | 119.2 | 120.4 | 123.3 | 127.4 | 133.2 | 141.3 | 151.8 | 169.8 |
| 52.5° | 109.7 | 109.6 | 110.4 | 111.0 | 111.8 | 113.9 | 117.0 | 122.1 | 129.3 | 138.5 | 153.4 |
| 55° | 98.0 | 97.2 | 98.5 | 99.5 | 100.2 | 101.0 | 102.7 | 105.9 | 112.2 | 119.9 | 131.0 |
| 57.5° | 83.5 | 83.1 | 84.1 | 85.0 | 87.1 | 89.4 | 90.9 | 92.8 | 96.0 | 101.6 | 112.6 |
| 60° | 71.5 | 71.5 | 73.4 | 74.1 | 76.4 | 79.5 | 82.5 | 84.2 | 87.4 | 91.0 | 99.2 |
| 62.5° | 60.9 | 61.1 | 61.9 | 62.6 | 63.9 | 67.6 | 71.8 | 75.6 | 78.6 | 82.1 | 87.5 |
| 65° | 51.0 | 51.4 | 51.4 | 51.8 | 52.7 | 53.5 | 55.2 | 58.2 | 63.6 | 68.5 | 72.6 |
| 67.5° | 43.3 | 43.4 | 43.5 | 43.9 | 44.1 | 45.1 | 45.8 | 47.1 | 48.4 | 53.0 | 58.1 |
| 70° | 38.1 | 38.7 | 38.5 | 38.9 | 39.2 | 39.6 | 40.4 | 41.1 | 43.1 | 44.1 | 47.1 |
| 72.5° | 33.3 | 33.7 | 33.7 | 34.0 | 34.6 | 34.7 | 35.3 | 36.0 | 37.2 | 38.1 | 39.8 |
| 75° | 27.0 | 26.8 | 27.0 | 27.4 | 27.6 | 27.8 | 27.8 | 28.7 | 29.3 | 30.2 | 31.3 |
| 77.5° | 20.8 | 21.0 | 21.0 | 21.0 | 21.1 | 21.5 | 21.4 | 21.8 | 22.4 | 22.9 | 23.4 |
| 80° | 16.7 | 16.9 | 16.7 | 16.9 | 17.2 | 17.3 | 17.2 | 17.3 | 18.0 | 18.4 | 18.4 |
| 82.5° | 12.9 | 13.0 | 13.1 | 13.1 | 13.2 | 13.2 | 13.6 | 13.6 | 14.0 | 13.9 | 14.1 |
| 85° | 7.7 | 7.5 | 7.5 | 7.5 | 7.7 | 7.9 | 7.7 | 7.7 | 7.9 | 7.9 | 7.9 |
| 87.5° | 6.4 | 6.5 | 6.4 | 6.4 | 6.3 | 6.2 | 6.0 | 6.1 | 5.7 | 5.7 | 5.4 |
| 90° | 18.2 | 17.9 | 17.6 | 17.3 | 17.0 | 16.5 | 15.7 | 15.0 | 14.2 | 13.5 | 12.3 |
| 92.5° | 18.2 | 18.0 | 17.8 | 17.6 | 17.5 | 17.2 | 16.8 | 16.4 | 16.0 | 15.6 | 15.1 |
| 95° | 29.0 | 29.1 | 29.3 | 29.4 | 29.6 | 29.3 | 28.6 | 27.8 | 27.1 | 26.3 | 25.3 |
| 97.5° | 38.7 | 38.5 | 38.4 | 38.2 | 38.0 | 37.6 | 36.9 | 36.4 | 35.8 | 35.2 | 32.8 |
| 100° | 45.1 | 44.9 | 44.6 | 44.3 | 44.0 | 43.3 | 42.0 | 40.8 | 39.6 | 38.5 | 35.9 |
| 102.5° | 48.4 | 48.0 | 47.6 | 47.1 | 46.8 | 45.7 | 44.2 | 42.6 | 41.1 | 39.5 | 60.8 |
| 105° | 51.3 | 50.6 | 50.0 | 49.5 | 48.8 | 47.7 | 46.1 | 44.4 | 42.8 | 41.1 | 82.0 |
| 107.5° | 52.7 | 52.1 | 51.6 | 50.9 | 50.3 | 50.9 | 52.5 | 54.2 | 55.9 | 57.6 | 106.6 |
| 110° | 53.3 | 52.7 | 52.0 | 51.5 | 50.9 | 58.1 | 73.0 | 88.0 | 103.0 | 118.0 | 161.3 |



TEST NUMBER: P331627-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 53.8 | 53.3 | 52.9 | 52.4 | 51.8 | 79.0 | 133.7 | 188.3 | 243.0 | 297.6 | 308.3 |
| 115° | 55.3 | 66.1 | 76.8 | 87.7 | 98.4 | 138.6 | 207.9 | 277.3 | 346.7 | 416.0 | 412.3 |
| 117.5° | 225.7 | 261.2 | 296.6 | 332.1 | 367.5 | 393.6 | 410.4 | 427.3 | 444.0 | 460.8 | 458.2 |
| 120° | 411.3 | 431.5 | 451.8 | 471.9 | 492.2 | 501.4 | 499.6 | 497.9 | 496.0 | 494.2 | 491.5 |
| 122.5° | 513.2 | 517.2 | 521.0 | 525.0 | 529.0 | 530.4 | 529.2 | 528.2 | 527.1 | 526.0 | 523.1 |
| 125° | 576.5 | 576.0 | 575.6 | 575.1 | 574.7 | 573.9 | 572.9 | 571.8 | 570.8 | 569.8 | 566.8 |
| 127.5° | 616.4 | 616.3 | 616.2 | 616.1 | 616.0 | 615.2 | 613.7 | 612.2 | 610.7 | 609.1 | 607.0 |
| 130° | 641.2 | 641.3 | 641.5 | 641.7 | 641.8 | 641.0 | 639.4 | 637.7 | 636.1 | 634.4 | 632.8 |
| 132.5° | 665.4 | 665.6 | 665.8 | 665.9 | 666.1 | 665.4 | 664.0 | 662.6 | 661.2 | 659.8 | 658.2 |
| 135° | 700.5 | 700.8 | 701.2 | 701.4 | 701.7 | 701.2 | 699.6 | 698.1 | 696.6 | 695.1 | 693.8 |
| 137.5° | 732.4 | 733.0 | 733.5 | 734.1 | 734.5 | 734.1 | 732.5 | 731.1 | 729.6 | 728.2 | 726.6 |
| 140° | 752.4 | 753.2 | 753.9 | 754.7 | 755.4 | 755.2 | 753.8 | 752.4 | 751.1 | 749.8 | 748.1 |
| 142.5° | 771.8 | 772.6 | 773.4 | 774.1 | 774.9 | 774.6 | 773.4 | 772.1 | 770.9 | 769.7 | 767.8 |
| 145° | 799.0 | 799.7 | 800.5 | 801.3 | 801.9 | 801.8 | 800.8 | 799.7 | 798.7 | 797.6 | 795.0 |
| 147.5° | 822.8 | 823.5 | 824.1 | 824.7 | 825.4 | 825.3 | 824.5 | 823.7 | 822.9 | 822.2 | 819.6 |
| 150° | 837.4 | 838.1 | 838.9 | 839.6 | 840.4 | 840.3 | 839.4 | 838.5 | 837.6 | 836.7 | 834.3 |
| 152.5° | 849.8 | 850.8 | 851.8 | 852.8 | 853.8 | 853.8 | 852.9 | 852.0 | 851.1 | 850.2 | 847.9 |
| 155° | 867.0 | 868.3 | 869.5 | 870.6 | 871.9 | 872.0 | 871.1 | 870.2 | 869.3 | 868.4 | 866.6 |
| 157.5° | 882.9 | 884.0 | 885.1 | 886.4 | 887.5 | 887.6 | 886.6 | 885.5 | 884.6 | 883.5 | 882.2 |
| 160° | 892.0 | 893.1 | 894.1 | 895.1 | 896.2 | 896.3 | 895.4 | 894.5 | 893.6 | 892.7 | 891.7 |
| 162.5° | 899.6 | 900.9 | 902.1 | 903.4 | 904.7 | 904.8 | 903.8 | 902.8 | 901.8 | 900.8 | 900.0 |
| 165° | 910.9 | 911.9 | 912.9 | 914.1 | 915.1 | 915.1 | 914.1 | 912.9 | 911.9 | 910.9 | 910.4 |
| 167.5° | 918.0 | 919.4 | 920.8 | 922.1 | 923.4 | 923.6 | 922.6 | 921.5 | 920.4 | 919.4 | 919.0 |
| 170° | 922.4 | 923.7 | 925.0 | 926.4 | 927.7 | 927.9 | 926.8 | 925.8 | 924.7 | 923.7 | 923.4 |
| 172.5° | 925.6 | 926.9 | 928.3 | 929.6 | 930.9 | 931.1 | 930.1 | 929.1 | 928.0 | 926.9 | 926.6 |
| 175° | 928.4 | 929.9 | 931.4 | 932.9 | 934.4 | 934.6 | 933.6 | 932.6 | 931.5 | 930.5 | 930.1 |
| 177.5° | 930.2 | 931.2 | 932.4 | 933.4 | 934.5 | 934.6 | 933.8 | 932.9 | 932.1 | 931.2 | 931.1 |
| 180° | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 |



TEST NUMBER: P331627-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 |
| 2.5° | 630.9 | 629.5 | 628.3 | 625.3 | 623.7 | 620.3 | 619.8 | 619.6 | 615.2 | 610.9 | 609.6 |
| 5° | 652.6 | 649.1 | 644.0 | 638.0 | 631.8 | 625.4 | 621.1 | 617.6 | 609.1 | 601.0 | 596.3 |
| 7.5° | 674.4 | 667.0 | 658.2 | 646.9 | 637.3 | 626.8 | 618.9 | 611.8 | 599.6 | 588.0 | 580.1 |
| 10° | 690.7 | 678.7 | 666.9 | 651.3 | 639.0 | 627.1 | 616.0 | 606.3 | 592.7 | 577.2 | 566.3 |
| 12.5° | 700.8 | 687.6 | 671.4 | 656.1 | 640.3 | 625.0 | 610.1 | 597.8 | 581.6 | 565.7 | 552.8 |
| 15° | 714.4 | 700.3 | 680.6 | 658.7 | 638.5 | 618.5 | 601.4 | 586.0 | 565.1 | 545.9 | 530.1 |
| 17.5° | 725.7 | 706.2 | 685.0 | 659.8 | 636.2 | 611.0 | 588.9 | 569.2 | 545.8 | 522.8 | 504.2 |
| 20° | 729.2 | 709.9 | 685.5 | 660.3 | 632.4 | 602.7 | 578.9 | 557.5 | 532.4 | 507.4 | 486.0 |
| 22.5° | 727.0 | 712.0 | 684.9 | 654.6 | 626.1 | 595.0 | 568.2 | 543.3 | 515.5 | 489.9 | 465.1 |
| 25° | 711.9 | 706.7 | 681.1 | 648.1 | 615.6 | 579.4 | 548.3 | 521.1 | 489.5 | 462.0 | 435.1 |
| 27.5° | 676.7 | 687.8 | 671.8 | 636.7 | 600.5 | 561.8 | 526.8 | 495.9 | 463.0 | 432.2 | 405.3 |
| 30° | 642.7 | 668.2 | 661.4 | 628.8 | 588.3 | 550.3 | 511.0 | 478.7 | 443.7 | 411.9 | 385.4 |
| 32.5° | 596.3 | 638.4 | 645.1 | 617.8 | 576.0 | 534.1 | 493.0 | 460.9 | 424.2 | 390.9 | 365.0 |
| 35° | 522.4 | 585.3 | 614.3 | 596.9 | 555.0 | 509.7 | 467.4 | 429.9 | 393.0 | 360.1 | 334.4 |
| 37.5° | 434.2 | 520.0 | 568.2 | 569.4 | 530.8 | 483.9 | 437.7 | 400.5 | 362.8 | 330.5 | 302.7 |
| 40° | 377.0 | 470.0 | 532.7 | 546.6 | 514.1 | 463.4 | 416.6 | 378.7 | 342.0 | 310.2 | 278.3 |
| 42.5° | 325.6 | 418.2 | 495.3 | 519.5 | 493.7 | 443.3 | 396.4 | 356.8 | 321.0 | 291.1 | 258.4 |
| 45° | 263.3 | 344.3 | 429.2 | 472.5 | 458.2 | 411.5 | 362.0 | 324.3 | 290.8 | 264.9 | 233.6 |
| 47.5° | 222.2 | 279.2 | 361.5 | 419.9 | 419.7 | 377.1 | 328.4 | 292.4 | 261.2 | 236.9 | 211.6 |
| 50° | 198.7 | 248.4 | 317.9 | 384.3 | 389.8 | 354.1 | 307.8 | 272.1 | 243.0 | 217.5 | 197.2 |
| 52.5° | 177.6 | 218.6 | 281.1 | 344.8 | 360.6 | 329.6 | 284.7 | 251.8 | 223.5 | 200.0 | 182.7 |
| 55° | 150.1 | 181.8 | 229.3 | 288.8 | 312.8 | 291.0 | 251.1 | 220.3 | 197.4 | 177.7 | 162.7 |
| 57.5° | 127.0 | 150.7 | 188.9 | 236.8 | 264.7 | 251.0 | 218.1 | 193.0 | 173.4 | 155.6 | 143.8 |
| 60° | 112.4 | 131.9 | 164.2 | 204.2 | 235.1 | 225.5 | 197.4 | 174.1 | 157.4 | 141.9 | 130.8 |
| 62.5° | 98.7 | 115.5 | 143.2 | 175.7 | 203.9 | 199.9 | 177.0 | 157.4 | 142.8 | 128.8 | 119.3 |
| 65° | 79.5 | 91.6 | 113.3 | 138.7 | 161.5 | 163.3 | 146.8 | 133.6 | 120.6 | 109.4 | 101.0 |
| 67.5° | 63.2 | 71.3 | 86.4 | 107.9 | 124.9 | 131.0 | 120.9 | 110.7 | 100.4 | 91.8 | 84.5 |
| 70° | 53.3 | 59.8 | 70.9 | 88.2 | 103.9 | 110.3 | 104.4 | 96.5 | 87.6 | 80.5 | 74.3 |
| 72.5° | 43.2 | 49.5 | 57.7 | 70.4 | 83.8 | 90.8 | 88.7 | 83.0 | 75.8 | 69.8 | 64.0 |
| 75° | 32.5 | 34.5 | 40.1 | 48.6 | 59.1 | 65.1 | 66.5 | 63.6 | 57.8 | 53.3 | 49.9 |
| 77.5° | 24.0 | 25.3 | 27.9 | 32.3 | 39.2 | 44.6 | 46.8 | 46.4 | 42.4 | 39.9 | 36.6 |
| 80° | 19.2 | 19.9 | 21.2 | 23.1 | 28.3 | 33.6 | 35.2 | 35.2 | 32.3 | 31.3 | 28.1 |
| 82.5° | 14.6 | 15.1 | 15.9 | 17.0 | 19.3 | 24.0 | 25.7 | 26.0 | 24.3 | 22.9 | 20.4 |
| 85° | 8.4 | 8.1 | 8.6 | 9.2 | 9.6 | 10.9 | 13.5 | 13.9 | 13.5 | 11.8 | 11.1 |
| 87.5° | 5.1 | 5.1 | 4.8 | 4.3 | 4.2 | 4.1 | 4.6 | 5.1 | 4.7 | 4.5 | 4.5 |
| 90° | 11.1 | 9.9 | 8.7 | 7.3 | 5.7 | 4.0 | 2.4 | 0.7 | 2.4 | 4.0 | 5.7 |
| 92.5° | 14.4 | 13.9 | 13.3 | 13.0 | 13.2 | 13.3 | 13.5 | 13.6 | 13.5 | 13.3 | 13.2 |
| 95° | 24.2 | 23.2 | 22.1 | 24.0 | 29.0 | 33.9 | 38.9 | 43.8 | 38.9 | 33.9 | 29.0 |
| 97.5° | 30.3 | 27.9 | 25.4 | 31.2 | 45.1 | 59.1 | 73.0 | 87.0 | 73.0 | 59.1 | 45.1 |
| 100° | 33.4 | 30.8 | 28.3 | 37.2 | 57.8 | 78.3 | 98.8 | 119.3 | 98.8 | 78.3 | 57.8 |
| 102.5° | 82.1 | 103.4 | 124.7 | 137.5 | 141.9 | 146.3 | 150.6 | 155.0 | 150.6 | 146.3 | 141.9 |
| 105° | 122.9 | 163.8 | 204.7 | 222.9 | 218.5 | 214.0 | 209.4 | 205.0 | 209.4 | 214.0 | 218.5 |
| 107.5° | 155.7 | 204.7 | 253.8 | 276.5 | 272.9 | 269.3 | 265.6 | 262.0 | 265.6 | 269.3 | 272.9 |
| 110° | 204.6 | 247.9 | 291.2 | 311.2 | 308.1 | 305.0 | 301.8 | 298.7 | 301.8 | 305.0 | 308.1 |



TEST NUMBER: P331627-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 319.0 | 329.7 | 340.4 | 344.3 | 341.6 | 338.7 | 336.0 | 333.2 | 336.0 | 338.7 | 341.6 |
| 115° | 408.5 | 404.7 | 401.1 | 397.8 | 395.3 | 392.8 | 390.2 | 387.7 | 390.2 | 392.8 | 395.3 |
| 117.5° | 455.6 | 453.1 | 450.4 | 447.7 | 444.9 | 442.1 | 439.2 | 436.4 | 439.2 | 442.1 | 444.9 |
| 120° | 488.8 | 486.2 | 483.4 | 481.0 | 478.7 | 476.5 | 474.2 | 471.9 | 474.2 | 476.5 | 478.7 |
| 122.5° | 520.2 | 517.3 | 514.3 | 511.6 | 509.3 | 506.9 | 504.5 | 502.2 | 504.5 | 506.9 | 509.3 |
| 125° | 564.0 | 561.2 | 558.4 | 555.9 | 554.0 | 552.0 | 550.1 | 548.2 | 550.1 | 552.0 | 554.0 |
| 127.5° | 604.8 | 602.8 | 600.6 | 598.4 | 596.3 | 594.2 | 592.0 | 589.8 | 592.0 | 594.2 | 596.3 |
| 130° | 631.1 | 629.5 | 627.8 | 625.8 | 623.4 | 621.0 | 618.7 | 616.2 | 618.7 | 621.0 | 623.4 |
| 132.5° | 656.5 | 654.9 | 653.2 | 651.4 | 649.3 | 647.3 | 645.3 | 643.2 | 645.3 | 647.3 | 649.3 |
| 135° | 692.4 | 691.1 | 689.8 | 687.9 | 685.5 | 683.1 | 680.7 | 678.3 | 680.7 | 683.1 | 685.5 |
| 137.5° | 725.1 | 723.6 | 722.1 | 720.5 | 718.8 | 717.1 | 715.4 | 713.8 | 715.4 | 717.1 | 718.8 |
| 140° | 746.5 | 744.8 | 743.2 | 741.7 | 740.6 | 739.3 | 738.1 | 737.0 | 738.1 | 739.3 | 740.6 |
| 142.5° | 765.9 | 764.0 | 762.1 | 760.6 | 759.6 | 758.6 | 757.4 | 756.4 | 757.4 | 758.6 | 759.6 |
| 145° | 792.5 | 789.9 | 787.4 | 786.3 | 786.4 | 786.6 | 786.6 | 786.8 | 786.6 | 786.6 | 786.4 |
| 147.5° | 817.1 | 814.6 | 812.1 | 811.2 | 811.7 | 812.3 | 812.8 | 813.4 | 812.8 | 812.3 | 811.7 |
| 150° | 831.9 | 829.5 | 827.2 | 826.4 | 827.6 | 828.6 | 829.6 | 830.7 | 829.6 | 828.6 | 827.6 |
| 152.5° | 845.6 | 843.4 | 841.1 | 840.6 | 841.7 | 842.9 | 844.0 | 845.2 | 844.0 | 842.9 | 841.7 |
| 155° | 864.8 | 863.0 | 861.2 | 861.0 | 862.3 | 863.7 | 865.1 | 866.4 | 865.1 | 863.7 | 862.3 |
| 157.5° | 881.0 | 879.8 | 878.4 | 878.4 | 879.6 | 880.7 | 881.8 | 883.0 | 881.8 | 880.7 | 879.6 |
| 160° | 890.9 | 889.9 | 889.1 | 889.1 | 889.9 | 890.9 | 891.7 | 892.7 | 891.7 | 890.9 | 889.9 |
| 162.5° | 899.2 | 898.4 | 897.7 | 897.7 | 898.6 | 899.6 | 900.4 | 901.4 | 900.4 | 899.6 | 898.6 |
| 165° | 910.0 | 909.6 | 909.1 | 909.3 | 910.2 | 911.2 | 912.0 | 912.9 | 912.0 | 911.2 | 910.2 |
| 167.5° | 918.5 | 918.1 | 917.7 | 917.9 | 918.9 | 919.7 | 920.7 | 921.5 | 920.7 | 919.7 | 918.9 |
| 170° | 923.1 | 922.8 | 922.5 | 922.8 | 923.7 | 924.6 | 925.5 | 926.4 | 925.5 | 924.6 | 923.7 |
| 172.5° | 926.3 | 926.0 | 925.8 | 926.0 | 926.9 | 927.8 | 928.7 | 929.6 | 928.7 | 927.8 | 926.9 |
| 175° | 929.8 | 929.5 | 929.3 | 929.6 | 930.7 | 931.7 | 932.7 | 933.8 | 932.7 | 931.7 | 930.7 |
| 177.5° | 931.0 | 930.9 | 930.8 | 931.1 | 932.0 | 932.8 | 933.7 | 934.5 | 933.7 | 932.8 | 932.0 |
| 180° | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 |



TEST NUMBER: P331627-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 |
| 2.5° | 607.5 | 606.2 | 604.0 | 600.6 | 598.5 | 594.9 | 592.6 | 593.9 | 594.3 | 593.9 | 593.6 |
| 5° | 591.2 | 586.6 | 580.4 | 574.4 | 568.8 | 562.9 | 559.4 | 558.0 | 555.0 | 553.3 | 552.3 |
| 7.5° | 571.4 | 563.6 | 554.9 | 544.4 | 535.6 | 526.2 | 521.5 | 519.2 | 513.0 | 509.7 | 506.8 |
| 10° | 556.7 | 544.4 | 535.6 | 522.0 | 513.6 | 501.4 | 493.0 | 493.3 | 484.9 | 480.2 | 476.8 |
| 12.5° | 540.4 | 527.0 | 512.4 | 500.0 | 488.4 | 478.6 | 468.5 | 464.5 | 455.6 | 451.1 | 441.9 |
| 15° | 513.4 | 497.8 | 482.4 | 465.7 | 453.9 | 438.7 | 424.1 | 406.3 | 392.0 | 379.6 | 376.2 |
| 17.5° | 484.0 | 464.6 | 449.1 | 429.5 | 409.3 | 383.8 | 366.9 | 356.6 | 348.0 | 341.4 | 336.5 |
| 20° | 463.7 | 444.0 | 427.5 | 398.0 | 370.8 | 353.5 | 341.1 | 333.1 | 324.1 | 317.1 | 313.2 |
| 22.5° | 442.5 | 422.0 | 399.4 | 366.5 | 345.3 | 331.4 | 320.4 | 311.2 | 305.1 | 299.6 | 296.1 |
| 25° | 412.4 | 389.8 | 352.8 | 330.2 | 313.0 | 298.4 | 290.8 | 285.2 | 278.8 | 271.3 | 267.9 |
| 27.5° | 380.5 | 344.8 | 318.1 | 301.2 | 284.9 | 275.5 | 268.5 | 260.2 | 254.5 | 251.1 | 247.5 |
| 30° | 356.7 | 320.9 | 300.2 | 281.7 | 270.2 | 259.7 | 251.6 | 246.9 | 241.3 | 235.5 | 233.2 |
| 32.5° | 330.2 | 301.6 | 281.6 | 266.4 | 254.6 | 245.6 | 239.2 | 231.6 | 227.6 | 224.0 | 219.1 |
| 35° | 297.2 | 275.5 | 257.3 | 245.0 | 233.8 | 226.5 | 219.0 | 214.5 | 207.3 | 204.2 | 202.4 |
| 37.5° | 269.3 | 250.5 | 237.0 | 223.9 | 215.0 | 207.0 | 202.4 | 195.2 | 192.1 | 187.8 | 183.8 |
| 40° | 253.4 | 235.1 | 222.1 | 211.3 | 201.4 | 195.5 | 189.7 | 183.9 | 179.2 | 177.3 | 172.4 |
| 42.5° | 237.4 | 222.4 | 209.3 | 197.7 | 191.1 | 184.6 | 177.4 | 173.1 | 168.2 | 165.1 | 162.1 |
| 45° | 215.2 | 201.9 | 190.8 | 181.2 | 173.8 | 167.2 | 162.5 | 155.4 | 152.7 | 146.5 | 143.8 |
| 47.5° | 195.7 | 183.3 | 172.7 | 163.5 | 156.5 | 152.1 | 145.2 | 139.7 | 135.3 | 131.4 | 128.1 |
| 50° | 181.8 | 171.4 | 161.2 | 153.1 | 146.7 | 140.4 | 133.4 | 130.6 | 123.8 | 121.8 | 119.9 |
| 52.5° | 169.1 | 159.3 | 150.0 | 141.9 | 135.5 | 129.5 | 123.3 | 119.6 | 115.0 | 113.1 | 111.7 |
| 55° | 151.4 | 141.9 | 133.0 | 125.9 | 119.5 | 113.3 | 109.4 | 104.9 | 102.7 | 101.2 | 99.5 |
| 57.5° | 133.6 | 125.1 | 118.2 | 111.0 | 104.5 | 99.6 | 95.2 | 92.5 | 90.3 | 88.3 | 86.2 |
| 60° | 122.2 | 114.1 | 107.9 | 101.2 | 94.6 | 90.6 | 87.2 | 83.9 | 81.3 | 78.3 | 77.5 |
| 62.5° | 110.3 | 103.1 | 97.5 | 91.0 | 85.2 | 81.5 | 78.2 | 75.2 | 72.1 | 67.8 | 66.5 |
| 65° | 93.8 | 88.2 | 82.2 | 76.8 | 71.7 | 68.1 | 63.3 | 59.9 | 58.6 | 58.2 | 58.1 |
| 67.5° | 78.9 | 73.6 | 68.4 | 63.0 | 58.3 | 55.0 | 52.5 | 52.0 | 51.1 | 50.9 | 50.2 |
| 70° | 68.9 | 64.0 | 58.9 | 53.7 | 49.2 | 48.6 | 47.8 | 46.8 | 45.8 | 45.4 | 45.0 |
| 72.5° | 60.0 | 55.0 | 49.8 | 45.7 | 43.7 | 43.0 | 42.1 | 41.2 | 40.5 | 40.1 | 39.9 |
| 75° | 46.0 | 41.3 | 37.9 | 36.4 | 35.3 | 34.7 | 33.4 | 32.8 | 32.3 | 31.7 | 31.5 |
| 77.5° | 33.2 | 30.4 | 28.9 | 28.0 | 26.9 | 26.2 | 25.4 | 24.8 | 24.3 | 24.2 | 23.8 |
| 80° | 25.3 | 23.9 | 22.9 | 21.6 | 21.2 | 20.4 | 20.2 | 19.5 | 19.7 | 19.0 | 19.0 |
| 82.5° | 19.6 | 18.0 | 17.1 | 16.5 | 16.0 | 15.4 | 15.2 | 14.9 | 14.9 | 14.4 | 14.4 |
| 85° | 10.1 | 9.6 | 9.2 | 8.8 | 8.8 | 8.1 | 8.4 | 8.1 | 8.1 | 7.7 | 7.5 |
| 87.5° | 4.7 | 4.8 | 4.7 | 5.0 | 5.2 | 5.3 | 5.4 | 5.4 | 5.6 | 5.7 | 5.7 |
| 90° | 7.3 | 8.7 | 9.9 | 11.1 | 12.3 | 13.5 | 14.2 | 15.0 | 15.7 | 16.5 | 17.0 |
| 92.5° | 13.0 | 13.3 | 13.9 | 14.4 | 15.1 | 15.6 | 16.0 | 16.4 | 16.8 | 17.2 | 17.5 |
| 95° | 24.0 | 22.1 | 23.2 | 24.2 | 25.3 | 26.3 | 27.1 | 27.8 | 28.6 | 29.3 | 29.6 |
| 97.5° | 31.2 | 25.4 | 27.9 | 30.3 | 32.8 | 35.2 | 35.8 | 36.4 | 36.9 | 37.6 | 38.0 |
| 100° | 37.2 | 28.3 | 30.8 | 33.4 | 35.9 | 38.5 | 39.6 | 40.8 | 42.0 | 43.3 | 44.0 |
| 102.5° | 137.5 | 124.7 | 103.4 | 82.1 | 60.8 | 39.5 | 41.1 | 42.6 | 44.2 | 45.7 | 46.8 |
| 105° | 222.9 | 204.7 | 163.8 | 122.9 | 82.0 | 41.1 | 42.8 | 44.4 | 46.1 | 47.7 | 48.8 |
| 107.5° | 276.5 | 253.8 | 204.7 | 155.7 | 106.6 | 57.6 | 55.9 | 54.2 | 52.5 | 50.9 | 50.3 |
| 110° | 311.2 | 291.2 | 247.9 | 204.6 | 161.3 | 118.0 | 103.0 | 88.0 | 73.0 | 58.1 | 50.9 |



TEST NUMBER: P331627-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 344.3 | 340.4 | 329.7 | 319.0 | 308.3 | 297.6 | 243.0 | 188.3 | 133.7 | 79.0 | 51.8 |
| 115° | 397.8 | 401.1 | 404.7 | 408.5 | 412.3 | 416.0 | 346.7 | 277.3 | 207.9 | 138.6 | 98.4 |
| 117.5° | 447.7 | 450.4 | 453.1 | 455.6 | 458.2 | 460.8 | 444.0 | 427.3 | 410.4 | 393.6 | 367.5 |
| 120° | 481.0 | 483.4 | 486.2 | 488.8 | 491.5 | 494.2 | 496.0 | 497.9 | 499.6 | 501.4 | 492.2 |
| 122.5° | 511.6 | 514.3 | 517.3 | 520.2 | 523.1 | 526.0 | 527.1 | 528.2 | 529.2 | 530.4 | 529.0 |
| 125° | 555.9 | 558.4 | 561.2 | 564.0 | 566.8 | 569.8 | 570.8 | 571.8 | 572.9 | 573.9 | 574.7 |
| 127.5° | 598.4 | 600.6 | 602.8 | 604.8 | 607.0 | 609.1 | 610.7 | 612.2 | 613.7 | 615.2 | 616.0 |
| 130° | 625.8 | 627.8 | 629.5 | 631.1 | 632.8 | 634.4 | 636.1 | 637.7 | 639.4 | 641.0 | 641.8 |
| 132.5° | 651.4 | 653.2 | 654.9 | 656.5 | 658.2 | 659.8 | 661.2 | 662.6 | 664.0 | 665.4 | 666.1 |
| 135° | 687.9 | 689.8 | 691.1 | 692.4 | 693.8 | 695.1 | 696.6 | 698.1 | 699.6 | 701.2 | 701.7 |
| 137.5° | 720.5 | 722.1 | 723.6 | 725.1 | 726.6 | 728.2 | 729.6 | 731.1 | 732.5 | 734.1 | 734.5 |
| 140° | 741.7 | 743.2 | 744.8 | 746.5 | 748.1 | 749.8 | 751.1 | 752.4 | 753.8 | 755.2 | 755.4 |
| 142.5° | 760.6 | 762.1 | 764.0 | 765.9 | 767.8 | 769.7 | 770.9 | 772.1 | 773.4 | 774.6 | 774.9 |
| 145° | 786.3 | 787.4 | 789.9 | 792.5 | 795.0 | 797.6 | 798.7 | 799.7 | 800.8 | 801.8 | 801.9 |
| 147.5° | 811.2 | 812.1 | 814.6 | 817.1 | 819.6 | 822.2 | 822.9 | 823.7 | 824.5 | 825.3 | 825.4 |
| 150° | 826.4 | 827.2 | 829.5 | 831.9 | 834.3 | 836.7 | 837.6 | 838.5 | 839.4 | 840.3 | 840.4 |
| 152.5° | 840.6 | 841.1 | 843.4 | 845.6 | 847.9 | 850.2 | 851.1 | 852.0 | 852.9 | 853.8 | 853.8 |
| 155° | 861.0 | 861.2 | 863.0 | 864.8 | 866.6 | 868.4 | 869.3 | 870.2 | 871.1 | 872.0 | 871.9 |
| 157.5° | 878.4 | 878.4 | 879.8 | 881.0 | 882.2 | 883.5 | 884.6 | 885.5 | 886.6 | 887.6 | 887.5 |
| 160° | 889.1 | 889.1 | 889.9 | 890.9 | 891.7 | 892.7 | 893.6 | 894.5 | 895.4 | 896.3 | 896.2 |
| 162.5° | 897.7 | 897.7 | 898.4 | 899.2 | 900.0 | 900.8 | 901.8 | 902.8 | 903.8 | 904.8 | 904.7 |
| 165° | 909.3 | 909.1 | 909.6 | 910.0 | 910.4 | 910.9 | 911.9 | 912.9 | 914.1 | 915.1 | 915.1 |
| 167.5° | 917.9 | 917.7 | 918.1 | 918.5 | 919.0 | 919.4 | 920.4 | 921.5 | 922.6 | 923.6 | 923.4 |
| 170° | 922.8 | 922.5 | 922.8 | 923.1 | 923.4 | 923.7 | 924.7 | 925.8 | 926.8 | 927.9 | 927.7 |
| 172.5° | 926.0 | 925.8 | 926.0 | 926.3 | 926.6 | 926.9 | 928.0 | 929.1 | 930.1 | 931.1 | 930.9 |
| 175° | 929.6 | 929.3 | 929.5 | 929.8 | 930.1 | 930.5 | 931.5 | 932.6 | 933.6 | 934.6 | 934.4 |
| 177.5° | 931.1 | 930.8 | 930.9 | 931.0 | 931.1 | 931.2 | 932.1 | 932.9 | 933.8 | 934.6 | 934.5 |
| 180° | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 |



TEST NUMBER: P331627-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 |
| 2.5° | 591.7 | 592.0 | 591.5 | 591.8 | 591.5 | 592.0 | 591.7 | 593.6 | 593.9 | 594.3 | 593.9 |
| 5° | 551.3 | 548.7 | 548.3 | 547.7 | 548.3 | 548.7 | 551.3 | 552.3 | 553.3 | 555.0 | 558.0 |
| 7.5° | 503.1 | 502.8 | 501.6 | 500.1 | 501.6 | 502.8 | 503.1 | 506.8 | 509.7 | 513.0 | 519.2 |
| 10° | 472.1 | 471.0 | 470.8 | 469.3 | 470.8 | 471.0 | 472.1 | 476.8 | 480.2 | 484.9 | 493.3 |
| 12.5° | 435.7 | 428.9 | 428.2 | 424.4 | 428.2 | 428.9 | 435.7 | 441.9 | 451.1 | 455.6 | 464.5 |
| 15° | 371.1 | 369.8 | 365.4 | 362.7 | 365.4 | 369.8 | 371.1 | 376.2 | 379.6 | 392.0 | 406.3 |
| 17.5° | 334.0 | 329.8 | 328.5 | 327.9 | 328.5 | 329.8 | 334.0 | 336.5 | 341.4 | 348.0 | 356.6 |
| 20° | 310.2 | 306.4 | 305.8 | 305.3 | 305.8 | 306.4 | 310.2 | 313.2 | 317.1 | 324.1 | 333.1 |
| 22.5° | 293.8 | 289.7 | 288.1 | 286.8 | 288.1 | 289.7 | 293.8 | 296.1 | 299.6 | 305.1 | 311.2 |
| 25° | 265.7 | 264.2 | 263.3 | 262.9 | 263.3 | 264.2 | 265.7 | 267.9 | 271.3 | 278.8 | 285.2 |
| 27.5° | 243.7 | 240.4 | 239.8 | 238.7 | 239.8 | 240.4 | 243.7 | 247.5 | 251.1 | 254.5 | 260.2 |
| 30° | 231.2 | 230.2 | 228.7 | 227.3 | 228.7 | 230.2 | 231.2 | 233.2 | 235.5 | 241.3 | 246.9 |
| 32.5° | 216.5 | 215.6 | 214.2 | 213.7 | 214.2 | 215.6 | 216.5 | 219.1 | 224.0 | 227.6 | 231.6 |
| 35° | 200.2 | 197.2 | 195.9 | 194.0 | 195.9 | 197.2 | 200.2 | 202.4 | 204.2 | 207.3 | 214.5 |
| 37.5° | 182.9 | 181.3 | 179.6 | 180.2 | 179.6 | 181.3 | 182.9 | 183.8 | 187.8 | 192.1 | 195.2 |
| 40° | 169.6 | 168.5 | 168.1 | 167.9 | 168.1 | 168.5 | 169.6 | 172.4 | 177.3 | 179.2 | 183.9 |
| 42.5° | 158.9 | 156.0 | 154.9 | 154.9 | 154.9 | 156.0 | 158.9 | 162.1 | 165.1 | 168.2 | 173.1 |
| 45° | 142.8 | 140.1 | 138.1 | 138.3 | 138.1 | 140.1 | 142.8 | 143.8 | 146.5 | 152.7 | 155.4 |
| 47.5° | 126.3 | 126.2 | 125.0 | 125.4 | 125.0 | 126.2 | 126.3 | 128.1 | 131.4 | 135.3 | 139.7 |
| 50° | 118.4 | 117.2 | 116.2 | 116.5 | 116.2 | 117.2 | 118.4 | 119.9 | 121.8 | 123.8 | 130.6 |
| 52.5° | 110.8 | 109.7 | 109.1 | 110.0 | 109.1 | 109.7 | 110.8 | 111.7 | 113.1 | 115.0 | 119.6 |
| 55° | 98.5 | 97.2 | 97.0 | 96.8 | 97.0 | 97.2 | 98.5 | 99.5 | 101.2 | 102.7 | 104.9 |
| 57.5° | 84.6 | 83.8 | 82.5 | 82.0 | 82.5 | 83.8 | 84.6 | 86.2 | 88.3 | 90.3 | 92.5 |
| 60° | 74.7 | 73.0 | 70.9 | 70.7 | 70.9 | 73.0 | 74.7 | 77.5 | 78.3 | 81.3 | 83.9 |
| 62.5° | 65.6 | 65.3 | 64.8 | 64.8 | 64.8 | 65.3 | 65.6 | 66.5 | 67.8 | 72.1 | 75.2 |
| 65° | 57.6 | 57.4 | 57.6 | 57.8 | 57.6 | 57.4 | 57.6 | 58.1 | 58.2 | 58.6 | 59.9 |
| 67.5° | 50.1 | 49.8 | 49.4 | 49.6 | 49.4 | 49.8 | 50.1 | 50.2 | 50.9 | 51.1 | 52.0 |
| 70° | 44.5 | 44.3 | 44.1 | 44.1 | 44.1 | 44.3 | 44.5 | 45.0 | 45.4 | 45.8 | 46.8 |
| 72.5° | 39.0 | 39.0 | 38.8 | 38.6 | 38.8 | 39.0 | 39.0 | 39.9 | 40.1 | 40.5 | 41.2 |
| 75° | 31.3 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 31.3 | 31.5 | 31.7 | 32.3 | 32.8 |
| 77.5° | 23.8 | 23.6 | 23.4 | 23.2 | 23.4 | 23.6 | 23.8 | 23.8 | 24.2 | 24.3 | 24.8 |
| 80° | 18.9 | 18.7 | 18.4 | 18.4 | 18.4 | 18.7 | 18.9 | 19.0 | 19.0 | 19.7 | 19.5 |
| 82.5° | 14.4 | 14.1 | 14.1 | 13.9 | 14.1 | 14.1 | 14.4 | 14.4 | 14.4 | 14.9 | 14.9 |
| 85° | 7.7 | 7.9 | 7.7 | 8.1 | 7.7 | 7.9 | 7.7 | 7.5 | 7.7 | 8.1 | 8.1 |
| 87.5° | 5.7 | 5.6 | 5.8 | 5.7 | 5.8 | 5.6 | 5.7 | 5.7 | 5.7 | 5.6 | 5.4 |
| 90° | 17.3 | 17.6 | 17.9 | 18.2 | 17.9 | 17.6 | 17.3 | 17.0 | 16.5 | 15.7 | 15.0 |
| 92.5° | 17.6 | 17.8 | 18.0 | 18.2 | 18.0 | 17.8 | 17.6 | 17.5 | 17.2 | 16.8 | 16.4 |
| 95° | 29.4 | 29.3 | 29.1 | 29.0 | 29.1 | 29.3 | 29.4 | 29.6 | 29.3 | 28.6 | 27.8 |
| 97.5° | 38.2 | 38.4 | 38.5 | 38.7 | 38.5 | 38.4 | 38.2 | 38.0 | 37.6 | 36.9 | 36.4 |
| 100° | 44.3 | 44.6 | 44.9 | 45.1 | 44.9 | 44.6 | 44.3 | 44.0 | 43.3 | 42.0 | 40.8 |
| 102.5° | 47.1 | 47.6 | 48.0 | 48.4 | 48.0 | 47.6 | 47.1 | 46.8 | 45.7 | 44.2 | 42.6 |
| 105° | 49.5 | 50.0 | 50.6 | 51.3 | 50.6 | 50.0 | 49.5 | 48.8 | 47.7 | 46.1 | 44.4 |
| 107.5° | 50.9 | 51.6 | 52.1 | 52.7 | 52.1 | 51.6 | 50.9 | 50.3 | 50.9 | 52.5 | 54.2 |
| 110° | 51.5 | 52.0 | 52.7 | 53.3 | 52.7 | 52.0 | 51.5 | 50.9 | 58.1 | 73.0 | 88.0 |



TEST NUMBER: P331627-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 52.4 | 52.9 | 53.3 | 53.8 | 53.3 | 52.9 | 52.4 | 51.8 | 79.0 | 133.7 | 188.3 |
| 115° | 87.7 | 76.8 | 66.1 | 55.3 | 66.1 | 76.8 | 87.7 | 98.4 | 138.6 | 207.9 | 277.3 |
| 117.5° | 332.1 | 296.6 | 261.2 | 225.7 | 261.2 | 296.6 | 332.1 | 367.5 | 393.6 | 410.4 | 427.3 |
| 120° | 471.9 | 451.8 | 431.5 | 411.3 | 431.5 | 451.8 | 471.9 | 492.2 | 501.4 | 499.6 | 497.9 |
| 122.5° | 525.0 | 521.0 | 517.2 | 513.2 | 517.2 | 521.0 | 525.0 | 529.0 | 530.4 | 529.2 | 528.2 |
| 125° | 575.1 | 575.6 | 576.0 | 576.5 | 576.0 | 575.6 | 575.1 | 574.7 | 573.9 | 572.9 | 571.8 |
| 127.5° | 616.1 | 616.2 | 616.3 | 616.4 | 616.3 | 616.2 | 616.1 | 616.0 | 615.2 | 613.7 | 612.2 |
| 130° | 641.7 | 641.5 | 641.3 | 641.2 | 641.3 | 641.5 | 641.7 | 641.8 | 641.0 | 639.4 | 637.7 |
| 132.5° | 665.9 | 665.8 | 665.6 | 665.4 | 665.6 | 665.8 | 665.9 | 666.1 | 665.4 | 664.0 | 662.6 |
| 135° | 701.4 | 701.2 | 700.8 | 700.5 | 700.8 | 701.2 | 701.4 | 701.7 | 701.2 | 699.6 | 698.1 |
| 137.5° | 734.1 | 733.5 | 733.0 | 732.4 | 733.0 | 733.5 | 734.1 | 734.5 | 734.1 | 732.5 | 731.1 |
| 140° | 754.7 | 753.9 | 753.2 | 752.4 | 753.2 | 753.9 | 754.7 | 755.4 | 755.2 | 753.8 | 752.4 |
| 142.5° | 774.1 | 773.4 | 772.6 | 771.8 | 772.6 | 773.4 | 774.1 | 774.9 | 774.6 | 773.4 | 772.1 |
| 145° | 801.3 | 800.5 | 799.7 | 799.0 | 799.7 | 800.5 | 801.3 | 801.9 | 801.8 | 800.8 | 799.7 |
| 147.5° | 824.7 | 824.1 | 823.5 | 822.8 | 823.5 | 824.1 | 824.7 | 825.4 | 825.3 | 824.5 | 823.7 |
| 150° | 839.6 | 838.9 | 838.1 | 837.4 | 838.1 | 838.9 | 839.6 | 840.4 | 840.3 | 839.4 | 838.5 |
| 152.5° | 852.8 | 851.8 | 850.8 | 849.8 | 850.8 | 851.8 | 852.8 | 853.8 | 853.8 | 852.9 | 852.0 |
| 155° | 870.6 | 869.5 | 868.3 | 867.0 | 868.3 | 869.5 | 870.6 | 871.9 | 872.0 | 871.1 | 870.2 |
| 157.5° | 886.4 | 885.1 | 884.0 | 882.9 | 884.0 | 885.1 | 886.4 | 887.5 | 887.6 | 886.6 | 885.5 |
| 160° | 895.1 | 894.1 | 893.1 | 892.0 | 893.1 | 894.1 | 895.1 | 896.2 | 896.3 | 895.4 | 894.5 |
| 162.5° | 903.4 | 902.1 | 900.9 | 899.6 | 900.9 | 902.1 | 903.4 | 904.7 | 904.8 | 903.8 | 902.8 |
| 165° | 914.1 | 912.9 | 911.9 | 910.9 | 911.9 | 912.9 | 914.1 | 915.1 | 915.1 | 914.1 | 912.9 |
| 167.5° | 922.1 | 920.8 | 919.4 | 918.0 | 919.4 | 920.8 | 922.1 | 923.4 | 923.6 | 922.6 | 921.5 |
| 170° | 926.4 | 925.0 | 923.7 | 922.4 | 923.7 | 925.0 | 926.4 | 927.7 | 927.9 | 926.8 | 925.8 |
| 172.5° | 929.6 | 928.3 | 926.9 | 925.6 | 926.9 | 928.3 | 929.6 | 930.9 | 931.1 | 930.1 | 929.1 |
| 175° | 932.9 | 931.4 | 929.9 | 928.4 | 929.9 | 931.4 | 932.9 | 934.4 | 934.6 | 933.6 | 932.6 |
| 177.5° | 933.4 | 932.4 | 931.2 | 930.2 | 931.2 | 932.4 | 933.4 | 934.5 | 934.6 | 933.8 | 932.9 |
| 180° | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 |



TEST NUMBER: P331627-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 |
| 2.5° | 592.6 | 594.9 | 598.5 | 600.6 | 604.0 | 606.2 | 607.5 | 609.6 | 610.9 | 615.2 | 619.6 |
| 5° | 559.4 | 562.9 | 568.8 | 574.4 | 580.4 | 586.6 | 591.2 | 596.3 | 601.0 | 609.1 | 617.6 |
| 7.5° | 521.5 | 526.2 | 535.6 | 544.4 | 554.9 | 563.6 | 571.4 | 580.1 | 588.0 | 599.6 | 611.8 |
| 10° | 493.0 | 501.4 | 513.6 | 522.0 | 535.6 | 544.4 | 556.7 | 566.3 | 577.2 | 592.7 | 606.3 |
| 12.5° | 468.5 | 478.6 | 488.4 | 500.0 | 512.4 | 527.0 | 540.4 | 552.8 | 565.7 | 581.6 | 597.8 |
| 15° | 424.1 | 438.7 | 453.9 | 465.7 | 482.4 | 497.8 | 513.4 | 530.1 | 545.9 | 565.1 | 586.0 |
| 17.5° | 366.9 | 383.8 | 409.3 | 429.5 | 449.1 | 464.6 | 484.0 | 504.2 | 522.8 | 545.8 | 569.2 |
| 20° | 341.1 | 353.5 | 370.8 | 398.0 | 427.5 | 444.0 | 463.7 | 486.0 | 507.4 | 532.4 | 557.5 |
| 22.5° | 320.4 | 331.4 | 345.3 | 366.5 | 399.4 | 422.0 | 442.5 | 465.1 | 489.9 | 515.5 | 543.3 |
| 25° | 290.8 | 298.4 | 313.0 | 330.2 | 352.8 | 389.8 | 412.4 | 435.1 | 462.0 | 489.5 | 521.1 |
| 27.5° | 268.5 | 275.5 | 284.9 | 301.2 | 318.1 | 344.8 | 380.5 | 405.3 | 432.2 | 463.0 | 495.9 |
| 30° | 251.6 | 259.7 | 270.2 | 281.7 | 300.2 | 320.9 | 356.7 | 385.4 | 411.9 | 443.7 | 478.7 |
| 32.5° | 239.2 | 245.6 | 254.6 | 266.4 | 281.6 | 301.6 | 330.2 | 365.0 | 390.9 | 424.2 | 460.9 |
| 35° | 219.0 | 226.5 | 233.8 | 245.0 | 257.3 | 275.5 | 297.2 | 334.4 | 360.1 | 393.0 | 429.9 |
| 37.5° | 202.4 | 207.0 | 215.0 | 223.9 | 237.0 | 250.5 | 269.3 | 302.7 | 330.5 | 362.8 | 400.5 |
| 40° | 189.7 | 195.5 | 201.4 | 211.3 | 222.1 | 235.1 | 253.4 | 278.3 | 310.2 | 342.0 | 378.7 |
| 42.5° | 177.4 | 184.6 | 191.1 | 197.7 | 209.3 | 222.4 | 237.4 | 258.4 | 291.1 | 321.0 | 356.8 |
| 45° | 162.5 | 167.2 | 173.8 | 181.2 | 190.8 | 201.9 | 215.2 | 233.6 | 264.9 | 290.8 | 324.3 |
| 47.5° | 145.2 | 152.1 | 156.5 | 163.5 | 172.7 | 183.3 | 195.7 | 211.6 | 236.9 | 261.2 | 292.4 |
| 50° | 133.4 | 140.4 | 146.7 | 153.1 | 161.2 | 171.4 | 181.8 | 197.2 | 217.5 | 243.0 | 272.1 |
| 52.5° | 123.3 | 129.5 | 135.5 | 141.9 | 150.0 | 159.3 | 169.1 | 182.7 | 200.0 | 223.5 | 251.8 |
| 55° | 109.4 | 113.3 | 119.5 | 125.9 | 133.0 | 141.9 | 151.4 | 162.7 | 177.7 | 197.4 | 220.3 |
| 57.5° | 95.2 | 99.6 | 104.5 | 111.0 | 118.2 | 125.1 | 133.6 | 143.8 | 155.6 | 173.4 | 193.0 |
| 60° | 87.2 | 90.6 | 94.6 | 101.2 | 107.9 | 114.1 | 122.2 | 130.8 | 141.9 | 157.4 | 174.1 |
| 62.5° | 78.2 | 81.5 | 85.2 | 91.0 | 97.5 | 103.1 | 110.3 | 119.3 | 128.8 | 142.8 | 157.4 |
| 65° | 63.3 | 68.1 | 71.7 | 76.8 | 82.2 | 88.2 | 93.8 | 101.0 | 109.4 | 120.6 | 133.6 |
| 67.5° | 52.5 | 55.0 | 58.3 | 63.0 | 68.4 | 73.6 | 78.9 | 84.5 | 91.8 | 100.4 | 110.7 |
| 70° | 47.8 | 48.6 | 49.2 | 53.7 | 58.9 | 64.0 | 68.9 | 74.3 | 80.5 | 87.6 | 96.5 |
| 72.5° | 42.1 | 43.0 | 43.7 | 45.7 | 49.8 | 55.0 | 60.0 | 64.0 | 69.8 | 75.8 | 83.0 |
| 75° | 33.4 | 34.7 | 35.3 | 36.4 | 37.9 | 41.3 | 46.0 | 49.9 | 53.3 | 57.8 | 63.6 |
| 77.5° | 25.4 | 26.2 | 26.9 | 28.0 | 28.9 | 30.4 | 33.2 | 36.6 | 39.9 | 42.4 | 46.4 |
| 80° | 20.2 | 20.4 | 21.2 | 21.6 | 22.9 | 23.9 | 25.3 | 28.1 | 31.3 | 32.3 | 35.2 |
| 82.5° | 15.2 | 15.4 | 16.0 | 16.5 | 17.1 | 18.0 | 19.6 | 20.4 | 22.9 | 24.3 | 26.0 |
| 85° | 8.4 | 8.1 | 8.8 | 8.8 | 9.2 | 9.6 | 10.1 | 11.1 | 11.8 | 13.5 | 13.9 |
| 87.5° | 5.4 | 5.3 | 5.2 | 5.0 | 4.7 | 4.8 | 4.7 | 4.5 | 4.5 | 4.7 | 5.1 |
| 90° | 14.2 | 13.5 | 12.3 | 11.1 | 9.9 | 8.7 | 7.3 | 5.7 | 4.0 | 2.4 | 0.7 |
| 92.5° | 16.0 | 15.6 | 15.1 | 14.4 | 13.9 | 13.3 | 13.0 | 13.2 | 13.3 | 13.5 | 13.6 |
| 95° | 27.1 | 26.3 | 25.3 | 24.2 | 23.2 | 22.1 | 24.0 | 29.0 | 33.9 | 38.9 | 43.8 |
| 97.5° | 35.8 | 35.2 | 32.8 | 30.3 | 27.9 | 25.4 | 31.2 | 45.1 | 59.1 | 73.0 | 87.0 |
| 100° | 39.6 | 38.5 | 35.9 | 33.4 | 30.8 | 28.3 | 37.2 | 57.8 | 78.3 | 98.8 | 119.3 |
| 102.5° | 41.1 | 39.5 | 60.8 | 82.1 | 103.4 | 124.7 | 137.5 | 141.9 | 146.3 | 150.6 | 155.0 |
| 105° | 42.8 | 41.1 | 82.0 | 122.9 | 163.8 | 204.7 | 222.9 | 218.5 | 214.0 | 209.4 | 205.0 |
| 107.5° | 55.9 | 57.6 | 106.6 | 155.7 | 204.7 | 253.8 | 276.5 | 272.9 | 269.3 | 265.6 | 262.0 |
| 110° | 103.0 | 118.0 | 161.3 | 204.6 | 247.9 | 291.2 | 311.2 | 308.1 | 305.0 | 301.8 | 298.7 |



TEST NUMBER: P331627-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 243.0 | 297.6 | 308.3 | 319.0 | 329.7 | 340.4 | 344.3 | 341.6 | 338.7 | 336.0 | 333.2 |
| 115° | 346.7 | 416.0 | 412.3 | 408.5 | 404.7 | 401.1 | 397.8 | 395.3 | 392.8 | 390.2 | 387.7 |
| 117.5° | 444.0 | 460.8 | 458.2 | 455.6 | 453.1 | 450.4 | 447.7 | 444.9 | 442.1 | 439.2 | 436.4 |
| 120° | 496.0 | 494.2 | 491.5 | 488.8 | 486.2 | 483.4 | 481.0 | 478.7 | 476.5 | 474.2 | 471.9 |
| 122.5° | 527.1 | 526.0 | 523.1 | 520.2 | 517.3 | 514.3 | 511.6 | 509.3 | 506.9 | 504.5 | 502.2 |
| 125° | 570.8 | 569.8 | 566.8 | 564.0 | 561.2 | 558.4 | 555.9 | 554.0 | 552.0 | 550.1 | 548.2 |
| 127.5° | 610.7 | 609.1 | 607.0 | 604.8 | 602.8 | 600.6 | 598.4 | 596.3 | 594.2 | 592.0 | 589.8 |
| 130° | 636.1 | 634.4 | 632.8 | 631.1 | 629.5 | 627.8 | 625.8 | 623.4 | 621.0 | 618.7 | 616.2 |
| 132.5° | 661.2 | 659.8 | 658.2 | 656.5 | 654.9 | 653.2 | 651.4 | 649.3 | 647.3 | 645.3 | 643.2 |
| 135° | 696.6 | 695.1 | 693.8 | 692.4 | 691.1 | 689.8 | 687.9 | 685.5 | 683.1 | 680.7 | 678.3 |
| 137.5° | 729.6 | 728.2 | 726.6 | 725.1 | 723.6 | 722.1 | 720.5 | 718.8 | 717.1 | 715.4 | 713.8 |
| 140° | 751.1 | 749.8 | 748.1 | 746.5 | 744.8 | 743.2 | 741.7 | 740.6 | 739.3 | 738.1 | 737.0 |
| 142.5° | 770.9 | 769.7 | 767.8 | 765.9 | 764.0 | 762.1 | 760.6 | 759.6 | 758.6 | 757.4 | 756.4 |
| 145° | 798.7 | 797.6 | 795.0 | 792.5 | 789.9 | 787.4 | 786.3 | 786.4 | 786.6 | 786.6 | 786.8 |
| 147.5° | 822.9 | 822.2 | 819.6 | 817.1 | 814.6 | 812.1 | 811.2 | 811.7 | 812.3 | 812.8 | 813.4 |
| 150° | 837.6 | 836.7 | 834.3 | 831.9 | 829.5 | 827.2 | 826.4 | 827.6 | 828.6 | 829.6 | 830.7 |
| 152.5° | 851.1 | 850.2 | 847.9 | 845.6 | 843.4 | 841.1 | 840.6 | 841.7 | 842.9 | 844.0 | 845.2 |
| 155° | 869.3 | 868.4 | 866.6 | 864.8 | 863.0 | 861.2 | 861.0 | 862.3 | 863.7 | 865.1 | 866.4 |
| 157.5° | 884.6 | 883.5 | 882.2 | 881.0 | 879.8 | 878.4 | 878.4 | 879.6 | 880.7 | 881.8 | 883.0 |
| 160° | 893.6 | 892.7 | 891.7 | 890.9 | 889.9 | 889.1 | 889.1 | 889.9 | 890.9 | 891.7 | 892.7 |
| 162.5° | 901.8 | 900.8 | 900.0 | 899.2 | 898.4 | 897.7 | 897.7 | 898.6 | 899.6 | 900.4 | 901.4 |
| 165° | 911.9 | 910.9 | 910.4 | 910.0 | 909.6 | 909.1 | 909.3 | 910.2 | 911.2 | 912.0 | 912.9 |
| 167.5° | 920.4 | 919.4 | 919.0 | 918.5 | 918.1 | 917.7 | 917.9 | 918.9 | 919.7 | 920.7 | 921.5 |
| 170° | 924.7 | 923.7 | 923.4 | 923.1 | 922.8 | 922.5 | 922.8 | 923.7 | 924.6 | 925.5 | 926.4 |
| 172.5° | 928.0 | 926.9 | 926.6 | 926.3 | 926.0 | 925.8 | 926.0 | 926.9 | 927.8 | 928.7 | 929.6 |
| 175° | 931.5 | 930.5 | 930.1 | 929.8 | 929.5 | 929.3 | 929.6 | 930.7 | 931.7 | 932.7 | 933.8 |
| 177.5° | 932.1 | 931.2 | 931.1 | 931.0 | 930.9 | 930.8 | 931.1 | 932.0 | 932.8 | 933.7 | 934.5 |
| 180° | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 |



TEST NUMBER: P331627-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 |
| 2.5° | 619.8 | 620.3 | 623.7 | 625.3 | 628.3 | 629.5 | 630.9 | 630.6 | 630.6 | 631.2 | 636.0 |
| 5° | 621.1 | 625.4 | 631.8 | 638.0 | 644.0 | 649.1 | 652.6 | 656.0 | 657.3 | 663.5 | 669.0 |
| 7.5° | 618.9 | 626.8 | 637.3 | 646.9 | 658.2 | 667.0 | 674.4 | 681.1 | 685.6 | 694.7 | 703.9 |
| 10° | 616.0 | 627.1 | 639.0 | 651.3 | 666.9 | 678.7 | 690.7 | 699.9 | 702.9 | 716.3 | 724.1 |
| 12.5° | 610.1 | 625.0 | 640.3 | 656.1 | 671.4 | 687.6 | 700.8 | 710.0 | 720.6 | 732.6 | 746.9 |
| 15° | 601.4 | 618.5 | 638.5 | 658.7 | 680.6 | 700.3 | 714.4 | 730.5 | 742.1 | 755.4 | 767.8 |
| 17.5° | 588.9 | 611.0 | 636.2 | 659.8 | 685.0 | 706.2 | 725.7 | 741.0 | 749.1 | 756.8 | 758.6 |
| 20° | 578.9 | 602.7 | 632.4 | 660.3 | 685.5 | 709.9 | 729.2 | 742.1 | 744.2 | 744.4 | 733.1 |
| 22.5° | 568.2 | 595.0 | 626.1 | 654.6 | 684.9 | 712.0 | 727.0 | 732.4 | 724.0 | 709.5 | 687.5 |
| 25° | 548.3 | 579.4 | 615.6 | 648.1 | 681.1 | 706.7 | 711.9 | 702.3 | 672.5 | 641.2 | 601.6 |
| 27.5° | 526.8 | 561.8 | 600.5 | 636.7 | 671.8 | 687.8 | 676.7 | 641.9 | 588.3 | 541.7 | 485.2 |
| 30° | 511.0 | 550.3 | 588.3 | 628.8 | 661.4 | 668.2 | 642.7 | 591.5 | 529.0 | 458.8 | 402.5 |
| 32.5° | 493.0 | 534.1 | 576.0 | 617.8 | 645.1 | 638.4 | 596.3 | 533.3 | 460.1 | 391.0 | 337.8 |
| 35° | 467.4 | 509.7 | 555.0 | 596.9 | 614.3 | 585.3 | 522.4 | 440.4 | 365.4 | 301.0 | 264.4 |
| 37.5° | 437.7 | 483.9 | 530.8 | 569.4 | 568.2 | 520.0 | 434.2 | 349.6 | 286.6 | 248.5 | 222.4 |
| 40° | 416.6 | 463.4 | 514.1 | 546.6 | 532.7 | 470.0 | 377.0 | 297.2 | 251.1 | 220.7 | 201.7 |
| 42.5° | 396.4 | 443.3 | 493.7 | 519.5 | 495.3 | 418.2 | 325.6 | 263.1 | 225.1 | 201.4 | 186.0 |
| 45° | 362.0 | 411.5 | 458.2 | 472.5 | 429.2 | 344.3 | 263.3 | 217.9 | 192.7 | 175.1 | 164.5 |
| 47.5° | 328.4 | 377.1 | 419.7 | 419.9 | 361.5 | 279.2 | 222.2 | 188.6 | 167.0 | 153.4 | 145.7 |
| 50° | 307.8 | 354.1 | 389.8 | 384.3 | 317.9 | 248.4 | 198.7 | 169.8 | 151.8 | 141.3 | 133.2 |
| 52.5° | 284.7 | 329.6 | 360.6 | 344.8 | 281.1 | 218.6 | 177.6 | 153.4 | 138.5 | 129.3 | 122.1 |
| 55° | 251.1 | 291.0 | 312.8 | 288.8 | 229.3 | 181.8 | 150.1 | 131.0 | 119.9 | 112.2 | 105.9 |
| 57.5° | 218.1 | 251.0 | 264.7 | 236.8 | 188.9 | 150.7 | 127.0 | 112.6 | 101.6 | 96.0 | 92.8 |
| 60° | 197.4 | 225.5 | 235.1 | 204.2 | 164.2 | 131.9 | 112.4 | 99.2 | 91.0 | 87.4 | 84.2 |
| 62.5° | 177.0 | 199.9 | 203.9 | 175.7 | 143.2 | 115.5 | 98.7 | 87.5 | 82.1 | 78.6 | 75.6 |
| 65° | 146.8 | 163.3 | 161.5 | 138.7 | 113.3 | 91.6 | 79.5 | 72.6 | 68.5 | 63.6 | 58.2 |
| 67.5° | 120.9 | 131.0 | 124.9 | 107.9 | 86.4 | 71.3 | 63.2 | 58.1 | 53.0 | 48.4 | 47.1 |
| 70° | 104.4 | 110.3 | 103.9 | 88.2 | 70.9 | 59.8 | 53.3 | 47.1 | 44.1 | 43.1 | 41.1 |
| 72.5° | 88.7 | 90.8 | 83.8 | 70.4 | 57.7 | 49.5 | 43.2 | 39.8 | 38.1 | 37.2 | 36.0 |
| 75° | 66.5 | 65.1 | 59.1 | 48.6 | 40.1 | 34.5 | 32.5 | 31.3 | 30.2 | 29.3 | 28.7 |
| 77.5° | 46.8 | 44.6 | 39.2 | 32.3 | 27.9 | 25.3 | 24.0 | 23.4 | 22.9 | 22.4 | 21.8 |
| 80° | 35.2 | 33.6 | 28.3 | 23.1 | 21.2 | 19.9 | 19.2 | 18.4 | 18.4 | 18.0 | 17.3 |
| 82.5° | 25.7 | 24.0 | 19.3 | 17.0 | 15.9 | 15.1 | 14.6 | 14.1 | 13.9 | 14.0 | 13.6 |
| 85° | 13.5 | 10.9 | 9.6 | 9.2 | 8.6 | 8.1 | 8.4 | 7.9 | 7.9 | 7.9 | 7.7 |
| 87.5° | 4.6 | 4.1 | 4.2 | 4.3 | 4.8 | 5.1 | 5.1 | 5.4 | 5.7 | 5.7 | 6.1 |
| 90° | 2.4 | 4.0 | 5.7 | 7.3 | 8.7 | 9.9 | 11.1 | 12.3 | 13.5 | 14.2 | 15.0 |
| 92.5° | 13.5 | 13.3 | 13.2 | 13.0 | 13.3 | 13.9 | 14.4 | 15.1 | 15.6 | 16.0 | 16.4 |
| 95° | 38.9 | 33.9 | 29.0 | 24.0 | 22.1 | 23.2 | 24.2 | 25.3 | 26.3 | 27.1 | 27.8 |
| 97.5° | 73.0 | 59.1 | 45.1 | 31.2 | 25.4 | 27.9 | 30.3 | 32.8 | 35.2 | 35.8 | 36.4 |
| 100° | 98.8 | 78.3 | 57.8 | 37.2 | 28.3 | 30.8 | 33.4 | 35.9 | 38.5 | 39.6 | 40.8 |
| 102.5° | 150.6 | 146.3 | 141.9 | 137.5 | 124.7 | 103.4 | 82.1 | 60.8 | 39.5 | 41.1 | 42.6 |
| 105° | 209.4 | 214.0 | 218.5 | 222.9 | 204.7 | 163.8 | 122.9 | 82.0 | 41.1 | 42.8 | 44.4 |
| 107.5° | 265.6 | 269.3 | 272.9 | 276.5 | 253.8 | 204.7 | 155.7 | 106.6 | 57.6 | 55.9 | 54.2 |
| 110° | 301.8 | 305.0 | 308.1 | 311.2 | 291.2 | 247.9 | 204.6 | 161.3 | 118.0 | 103.0 | 88.0 |



TEST NUMBER: P331627-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 336.0 | 338.7 | 341.6 | 344.3 | 340.4 | 329.7 | 319.0 | 308.3 | 297.6 | 243.0 | 188.3 |
| 115° | 390.2 | 392.8 | 395.3 | 397.8 | 401.1 | 404.7 | 408.5 | 412.3 | 416.0 | 346.7 | 277.3 |
| 117.5° | 439.2 | 442.1 | 444.9 | 447.7 | 450.4 | 453.1 | 455.6 | 458.2 | 460.8 | 444.0 | 427.3 |
| 120° | 474.2 | 476.5 | 478.7 | 481.0 | 483.4 | 486.2 | 488.8 | 491.5 | 494.2 | 496.0 | 497.9 |
| 122.5° | 504.5 | 506.9 | 509.3 | 511.6 | 514.3 | 517.3 | 520.2 | 523.1 | 526.0 | 527.1 | 528.2 |
| 125° | 550.1 | 552.0 | 554.0 | 555.9 | 558.4 | 561.2 | 564.0 | 566.8 | 569.8 | 570.8 | 571.8 |
| 127.5° | 592.0 | 594.2 | 596.3 | 598.4 | 600.6 | 602.8 | 604.8 | 607.0 | 609.1 | 610.7 | 612.2 |
| 130° | 618.7 | 621.0 | 623.4 | 625.8 | 627.8 | 629.5 | 631.1 | 632.8 | 634.4 | 636.1 | 637.7 |
| 132.5° | 645.3 | 647.3 | 649.3 | 651.4 | 653.2 | 654.9 | 656.5 | 658.2 | 659.8 | 661.2 | 662.6 |
| 135° | 680.7 | 683.1 | 685.5 | 687.9 | 689.8 | 691.1 | 692.4 | 693.8 | 695.1 | 696.6 | 698.1 |
| 137.5° | 715.4 | 717.1 | 718.8 | 720.5 | 722.1 | 723.6 | 725.1 | 726.6 | 728.2 | 729.6 | 731.1 |
| 140° | 738.1 | 739.3 | 740.6 | 741.7 | 743.2 | 744.8 | 746.5 | 748.1 | 749.8 | 751.1 | 752.4 |
| 142.5° | 757.4 | 758.6 | 759.6 | 760.6 | 762.1 | 764.0 | 765.9 | 767.8 | 769.7 | 770.9 | 772.1 |
| 145° | 786.6 | 786.6 | 786.4 | 786.3 | 787.4 | 789.9 | 792.5 | 795.0 | 797.6 | 798.7 | 799.7 |
| 147.5° | 812.8 | 812.3 | 811.7 | 811.2 | 812.1 | 814.6 | 817.1 | 819.6 | 822.2 | 822.9 | 823.7 |
| 150° | 829.6 | 828.6 | 827.6 | 826.4 | 827.2 | 829.5 | 831.9 | 834.3 | 836.7 | 837.6 | 838.5 |
| 152.5° | 844.0 | 842.9 | 841.7 | 840.6 | 841.1 | 843.4 | 845.6 | 847.9 | 850.2 | 851.1 | 852.0 |
| 155° | 865.1 | 863.7 | 862.3 | 861.0 | 861.2 | 863.0 | 864.8 | 866.6 | 868.4 | 869.3 | 870.2 |
| 157.5° | 881.8 | 880.7 | 879.6 | 878.4 | 878.4 | 879.8 | 881.0 | 882.2 | 883.5 | 884.6 | 885.5 |
| 160° | 891.7 | 890.9 | 889.9 | 889.1 | 889.1 | 889.9 | 890.9 | 891.7 | 892.7 | 893.6 | 894.5 |
| 162.5° | 900.4 | 899.6 | 898.6 | 897.7 | 897.7 | 898.4 | 899.2 | 900.0 | 900.8 | 901.8 | 902.8 |
| 165° | 912.0 | 911.2 | 910.2 | 909.3 | 909.1 | 909.6 | 910.0 | 910.4 | 910.9 | 911.9 | 912.9 |
| 167.5° | 920.7 | 919.7 | 918.9 | 917.9 | 917.7 | 918.1 | 918.5 | 919.0 | 919.4 | 920.4 | 921.5 |
| 170° | 925.5 | 924.6 | 923.7 | 922.8 | 922.5 | 922.8 | 923.1 | 923.4 | 923.7 | 924.7 | 925.8 |
| 172.5° | 928.7 | 927.8 | 926.9 | 926.0 | 925.8 | 926.0 | 926.3 | 926.6 | 926.9 | 928.0 | 929.1 |
| 175° | 932.7 | 931.7 | 930.7 | 929.6 | 929.3 | 929.5 | 929.8 | 930.1 | 930.5 | 931.5 | 932.6 |
| 177.5° | 933.7 | 932.8 | 932.0 | 931.1 | 930.8 | 930.9 | 931.0 | 931.1 | 931.2 | 932.1 | 932.9 |
| 180° | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 |



TEST NUMBER: P331627-830
 CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 |
| 2.5° | 637.7 | 640.0 | 641.0 | 641.0 | 642.2 | 641.7 | 641.2 |
| 5° | 674.4 | 678.4 | 679.4 | 683.2 | 686.0 | 685.1 | 685.5 |
| 7.5° | 710.9 | 717.4 | 723.9 | 726.8 | 727.3 | 729.0 | 729.6 |
| 10° | 733.3 | 738.7 | 748.7 | 747.2 | 754.7 | 759.0 | 752.0 |
| 12.5° | 754.9 | 762.1 | 769.1 | 771.0 | 775.2 | 776.7 | 773.8 |
| 15° | 774.4 | 778.3 | 778.6 | 777.6 | 778.9 | 777.8 | 773.7 |
| 17.5° | 756.2 | 749.9 | 737.3 | 731.2 | 726.5 | 719.4 | 716.6 |
| 20° | 726.0 | 707.6 | 686.2 | 677.6 | 667.6 | 647.9 | 652.6 |
| 22.5° | 660.9 | 640.0 | 618.5 | 593.5 | 581.5 | 562.9 | 561.8 |
| 25° | 559.7 | 523.5 | 483.6 | 455.8 | 439.5 | 420.9 | 412.7 |
| 27.5° | 435.2 | 389.6 | 356.9 | 340.4 | 325.4 | 310.7 | 310.0 |
| 30° | 353.3 | 319.1 | 293.8 | 279.7 | 270.4 | 264.2 | 265.5 |
| 32.5° | 297.7 | 274.3 | 257.2 | 245.5 | 238.7 | 234.0 | 233.9 |
| 35° | 243.5 | 227.3 | 216.4 | 211.5 | 206.6 | 203.2 | 203.4 |
| 37.5° | 208.3 | 198.7 | 192.6 | 187.2 | 184.1 | 182.4 | 181.4 |
| 40° | 190.3 | 182.4 | 177.7 | 174.5 | 171.9 | 169.6 | 169.1 |
| 42.5° | 176.2 | 169.6 | 164.9 | 162.3 | 159.9 | 158.3 | 157.9 |
| 45° | 156.3 | 150.9 | 146.7 | 143.8 | 142.8 | 141.3 | 141.3 |
| 47.5° | 139.0 | 133.7 | 130.4 | 128.7 | 126.9 | 125.8 | 125.8 |
| 50° | 127.4 | 123.3 | 120.4 | 119.2 | 117.7 | 117.2 | 116.9 |
| 52.5° | 117.0 | 113.9 | 111.8 | 111.0 | 110.4 | 109.6 | 109.7 |
| 55° | 102.7 | 101.0 | 100.2 | 99.5 | 98.5 | 97.2 | 98.0 |
| 57.5° | 90.9 | 89.4 | 87.1 | 85.0 | 84.1 | 83.1 | 83.5 |
| 60° | 82.5 | 79.5 | 76.4 | 74.1 | 73.4 | 71.5 | 71.5 |
| 62.5° | 71.8 | 67.6 | 63.9 | 62.6 | 61.9 | 61.1 | 60.9 |
| 65° | 55.2 | 53.5 | 52.7 | 51.8 | 51.4 | 51.4 | 51.0 |
| 67.5° | 45.8 | 45.1 | 44.1 | 43.9 | 43.5 | 43.4 | 43.3 |
| 70° | 40.4 | 39.6 | 39.2 | 38.9 | 38.5 | 38.7 | 38.1 |
| 72.5° | 35.3 | 34.7 | 34.6 | 34.0 | 33.7 | 33.7 | 33.3 |
| 75° | 27.8 | 27.8 | 27.6 | 27.4 | 27.0 | 26.8 | 27.0 |
| 77.5° | 21.4 | 21.5 | 21.1 | 21.0 | 21.0 | 21.0 | 20.8 |
| 80° | 17.2 | 17.3 | 17.2 | 16.9 | 16.7 | 16.9 | 16.7 |
| 82.5° | 13.6 | 13.2 | 13.2 | 13.1 | 13.1 | 13.0 | 12.9 |
| 85° | 7.7 | 7.9 | 7.7 | 7.5 | 7.5 | 7.5 | 7.7 |
| 87.5° | 6.0 | 6.2 | 6.3 | 6.4 | 6.4 | 6.5 | 6.4 |
| 90° | 15.7 | 16.5 | 17.0 | 17.3 | 17.6 | 17.9 | 18.2 |
| 92.5° | 16.8 | 17.2 | 17.5 | 17.6 | 17.8 | 18.0 | 18.2 |
| 95° | 28.6 | 29.3 | 29.6 | 29.4 | 29.3 | 29.1 | 29.0 |
| 97.5° | 36.9 | 37.6 | 38.0 | 38.2 | 38.4 | 38.5 | 38.7 |
| 100° | 42.0 | 43.3 | 44.0 | 44.3 | 44.6 | 44.9 | 45.1 |
| 102.5° | 44.2 | 45.7 | 46.8 | 47.1 | 47.6 | 48.0 | 48.4 |
| 105° | 46.1 | 47.7 | 48.8 | 49.5 | 50.0 | 50.6 | 51.3 |
| 107.5° | 52.5 | 50.9 | 50.3 | 50.9 | 51.6 | 52.1 | 52.7 |
| 110° | 73.0 | 58.1 | 50.9 | 51.5 | 52.0 | 52.7 | 53.3 |



TEST NUMBER: P331627-830

CATALOG NUMBER: SA2XXRDIP-C290D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 133.7 | 79.0 | 51.8 | 52.4 | 52.9 | 53.3 | 53.8 |
| 115° | 207.9 | 138.6 | 98.4 | 87.7 | 76.8 | 66.1 | 55.3 |
| 117.5° | 410.4 | 393.6 | 367.5 | 332.1 | 296.6 | 261.2 | 225.7 |
| 120° | 499.6 | 501.4 | 492.2 | 471.9 | 451.8 | 431.5 | 411.3 |
| 122.5° | 529.2 | 530.4 | 529.0 | 525.0 | 521.0 | 517.2 | 513.2 |
| 125° | 572.9 | 573.9 | 574.7 | 575.1 | 575.6 | 576.0 | 576.5 |
| 127.5° | 613.7 | 615.2 | 616.0 | 616.1 | 616.2 | 616.3 | 616.4 |
| 130° | 639.4 | 641.0 | 641.8 | 641.7 | 641.5 | 641.3 | 641.2 |
| 132.5° | 664.0 | 665.4 | 666.1 | 665.9 | 665.8 | 665.6 | 665.4 |
| 135° | 699.6 | 701.2 | 701.7 | 701.4 | 701.2 | 700.8 | 700.5 |
| 137.5° | 732.5 | 734.1 | 734.5 | 734.1 | 733.5 | 733.0 | 732.4 |
| 140° | 753.8 | 755.2 | 755.4 | 754.7 | 753.9 | 753.2 | 752.4 |
| 142.5° | 773.4 | 774.6 | 774.9 | 774.1 | 773.4 | 772.6 | 771.8 |
| 145° | 800.8 | 801.8 | 801.9 | 801.3 | 800.5 | 799.7 | 799.0 |
| 147.5° | 824.5 | 825.3 | 825.4 | 824.7 | 824.1 | 823.5 | 822.8 |
| 150° | 839.4 | 840.3 | 840.4 | 839.6 | 838.9 | 838.1 | 837.4 |
| 152.5° | 852.9 | 853.8 | 853.8 | 852.8 | 851.8 | 850.8 | 849.8 |
| 155° | 871.1 | 872.0 | 871.9 | 870.6 | 869.5 | 868.3 | 867.0 |
| 157.5° | 886.6 | 887.6 | 887.5 | 886.4 | 885.1 | 884.0 | 882.9 |
| 160° | 895.4 | 896.3 | 896.2 | 895.1 | 894.1 | 893.1 | 892.0 |
| 162.5° | 903.8 | 904.8 | 904.7 | 903.4 | 902.1 | 900.9 | 899.6 |
| 165° | 914.1 | 915.1 | 915.1 | 914.1 | 912.9 | 911.9 | 910.9 |
| 167.5° | 922.6 | 923.6 | 923.4 | 922.1 | 920.8 | 919.4 | 918.0 |
| 170° | 926.8 | 927.9 | 927.7 | 926.4 | 925.0 | 923.7 | 922.4 |
| 172.5° | 930.1 | 931.1 | 930.9 | 929.6 | 928.3 | 926.9 | 925.6 |
| 175° | 933.6 | 934.6 | 934.4 | 932.9 | 931.4 | 929.9 | 928.4 |
| 177.5° | 933.8 | 934.6 | 934.5 | 933.4 | 932.4 | 931.2 | 930.2 |
| 180° | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 | 931.8 |

(END OF REPORT)