

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: P331616-935

Luminaire Tested: **SA2XXRDIP-C290D330U935-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331616-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-C290D330U935-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 290 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 330 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

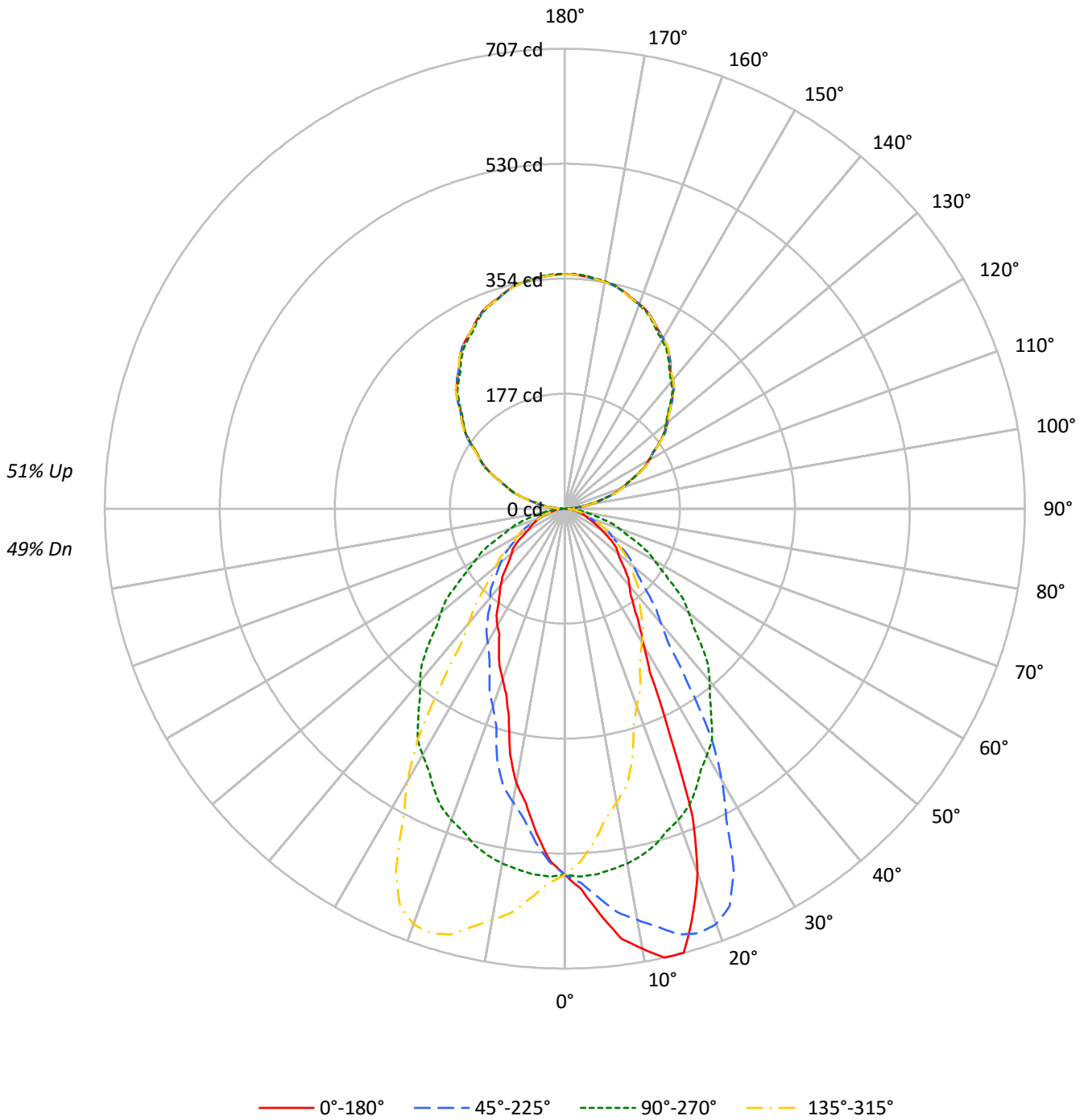
Lumens per Lamp: N/A
Luminaire Lumens: 1982.1 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 20.3
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: P331616-935
CATALOG NUMBER: SA2XXRDIP-C290D330U935-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P331616-935

CATALOG NUMBER: SA2XXRDIP-C290D330U935-4F0-1E-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 | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 83 | 83 | 83 | 69 | 69 | 69 | 55 | 55 | 55 | 49 |
| 1 | 98 | 94 | 91 | 87 | 91 | 87 | 84 | 81 | 74 | 72 | 70 | 61 | 60 | 59 | 50 | 49 | 48 | 43 |
| 2 | 90 | 83 | 78 | 73 | 83 | 77 | 72 | 68 | 66 | 62 | 59 | 55 | 52 | 50 | 45 | 43 | 42 | 37 |
| 3 | 83 | 74 | 67 | 62 | 76 | 69 | 63 | 58 | 59 | 54 | 50 | 49 | 46 | 43 | 41 | 38 | 37 | 33 |
| 4 | 76 | 66 | 59 | 53 | 70 | 61 | 55 | 50 | 53 | 48 | 44 | 45 | 41 | 38 | 37 | 34 | 32 | 29 |
| 5 | 70 | 59 | 52 | 46 | 65 | 55 | 48 | 43 | 48 | 42 | 38 | 40 | 37 | 34 | 34 | 31 | 29 | 26 |
| 6 | 65 | 54 | 46 | 40 | 60 | 50 | 43 | 38 | 43 | 38 | 34 | 37 | 33 | 30 | 31 | 28 | 26 | 23 |
| 7 | 60 | 49 | 41 | 36 | 56 | 46 | 39 | 34 | 40 | 34 | 30 | 34 | 30 | 27 | 29 | 26 | 23 | 21 |
| 8 | 56 | 44 | 37 | 32 | 52 | 42 | 35 | 30 | 36 | 31 | 27 | 31 | 27 | 24 | 26 | 23 | 21 | 19 |
| 9 | 53 | 41 | 34 | 29 | 49 | 38 | 32 | 27 | 33 | 28 | 25 | 29 | 25 | 22 | 25 | 22 | 19 | 17 |
| 10 | 49 | 38 | 31 | 26 | 46 | 35 | 29 | 25 | 31 | 26 | 23 | 27 | 23 | 20 | 23 | 20 | 18 | 16 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|------|------|------|
| 0° | 9087 | 9087 | 9087 | 9087 |
| 5° | 10149 | 9144 | 8109 | 9144 |
| 10° | 11262 | 9081 | 7029 | 9081 |
| 15° | 11814 | 8948 | 5538 | 8948 |
| 20° | 10244 | 8751 | 4792 | 8751 |
| 25° | 6716 | 8480 | 4277 | 8480 |
| 30° | 4521 | 8153 | 3872 | 8153 |
| 35° | 3662 | 7740 | 3493 | 7740 |
| 40° | 3256 | 7290 | 3231 | 7290 |
| 45° | 2948 | 6766 | 2884 | 6766 |
| 50° | 2683 | 6244 | 2673 | 6244 |
| 55° | 2519 | 5664 | 2488 | 5664 |
| 60° | 2109 | 5134 | 2086 | 5134 |
| 65° | 1780 | 4661 | 2017 | 4661 |
| 70° | 1643 | 4164 | 1902 | 4164 |
| 75° | 1535 | 3624 | 1759 | 3624 |
| 80° | 1413 | 2985 | 1562 | 2985 |
| 85° | 1315 | 2353 | 1371 | 2353 |



TEST NUMBER: P331616-935

CATALOG NUMBER: SA2XXRDIP-C290D330U935-4F0-1E-UDD-A1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 53.4 | 2.7 |
| 10°-20° | 148.7 | 7.5 |
| 20°-30° | 191.6 | 9.7 |
| 30°-40° | 182.1 | 9.2 |
| 40°-50° | 156.0 | 7.9 |
| 50°-60° | 118.8 | 6.0 |
| 60°-70° | 75.1 | 3.8 |
| 70°-80° | 37.5 | 1.9 |
| 80°-90° | 11.2 | 0.6 |
| 90°-100° | 22.8 | 1.2 |
| 100°-110° | 70.9 | 3.6 |
| 110°-120° | 121.3 | 6.1 |
| 120°-130° | 159.5 | 8.0 |
| 130°-140° | 179.0 | 9.0 |
| 140°-150° | 175.5 | 8.9 |
| 150°-160° | 147.2 | 7.4 |
| 160°-170° | 97.6 | 4.9 |
| 170°-180° | 34.1 | 1.7 |
| 0°-30° | 393.6 | 19.9 |
| 0°-40° | 575.7 | 29.0 |
| 0°-60° | 850.4 | 42.9 |
| 0°-90° | 974.2 | 49.1 |
| 90°-120° | 215.0 | 10.8 |
| 90°-150° | 729.0 | 36.8 |
| 90°-180° | 1008.0 | 50.9 |
| 0°-180° | 1982.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0° | 563 | 563 | 563 | 563 | 563 | |
| 5° | 626 | 564 | 500 | 564 | 626 | 62 |
| 15° | 707 | 535 | 331 | 535 | 707 | 191 |
| 25° | 377 | 476 | 240 | 476 | 377 | 179 |
| 35° | 186 | 393 | 177 | 393 | 186 | 119 |
| 45° | 129 | 296 | 126 | 296 | 129 | 100 |
| 55° | 90 | 201 | 88 | 201 | 90 | 79 |
| 65° | 47 | 122 | 53 | 122 | 47 | 47 |
| 75° | 25 | 58 | 28 | 58 | 25 | 26 |
| 85° | 7 | 13 | 7 | 13 | 7 | 8 |
| 90° | 10 | 0 | 10 | 0 | 10 | 5 |
| 95° | 19 | 16 | 19 | 16 | 19 | 21 |
| 105° | 68 | 65 | 68 | 65 | 68 | 71 |
| 115° | 122 | 122 | 122 | 122 | 122 | 120 |
| 125° | 178 | 177 | 178 | 177 | 178 | 158 |
| 135° | 232 | 229 | 232 | 229 | 232 | 178 |
| 145° | 281 | 278 | 281 | 278 | 281 | 176 |
| 155° | 320 | 318 | 320 | 318 | 320 | 147 |
| 165° | 346 | 346 | 346 | 346 | 346 | 98 |
| 175° | 359 | 360 | 359 | 360 | 359 | 34 |
| 180° | 360 | 360 | 360 | 360 | 360 | |



TEST NUMBER: P331616-935

CATALOG NUMBER: SA2XXRDIP-C290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 |
| 2.5° | 585.7 | 586.2 | 586.7 | 585.6 | 585.6 | 584.6 | 582.6 | 581.0 | 576.6 | 576.0 | 576.0 |
| 5° | 626.2 | 625.9 | 626.6 | 624.1 | 620.6 | 619.7 | 616.0 | 611.1 | 606.1 | 600.5 | 599.3 |
| 7.5° | 666.5 | 665.9 | 664.3 | 663.9 | 661.2 | 655.3 | 649.4 | 643.0 | 634.6 | 626.3 | 622.2 |
| 10° | 686.9 | 693.4 | 689.4 | 682.6 | 683.9 | 674.8 | 669.9 | 661.4 | 654.4 | 642.0 | 639.4 |
| 12.5° | 706.9 | 709.5 | 708.2 | 704.3 | 702.6 | 696.2 | 689.6 | 682.3 | 669.3 | 658.2 | 648.6 |
| 15° | 706.8 | 710.5 | 711.5 | 710.3 | 711.3 | 710.9 | 707.4 | 701.4 | 690.0 | 677.9 | 667.3 |
| 17.5° | 654.6 | 657.2 | 663.7 | 668.0 | 673.5 | 685.0 | 690.8 | 692.9 | 691.3 | 684.3 | 676.9 |
| 20° | 596.2 | 591.9 | 609.8 | 619.0 | 626.8 | 646.4 | 663.2 | 669.7 | 680.0 | 679.8 | 677.9 |
| 22.5° | 513.2 | 514.2 | 531.2 | 542.2 | 565.0 | 584.6 | 603.7 | 628.0 | 648.1 | 661.3 | 669.1 |
| 25° | 377.0 | 384.5 | 401.5 | 416.4 | 441.8 | 478.2 | 511.3 | 549.6 | 585.7 | 614.3 | 641.5 |
| 27.5° | 283.2 | 283.8 | 297.2 | 311.0 | 326.1 | 355.9 | 397.5 | 443.2 | 494.8 | 537.4 | 586.3 |
| 30° | 242.5 | 241.3 | 247.0 | 255.5 | 268.4 | 291.4 | 322.7 | 367.6 | 419.1 | 483.3 | 540.4 |
| 32.5° | 213.7 | 213.8 | 218.1 | 224.3 | 235.0 | 250.6 | 272.0 | 308.6 | 357.1 | 420.3 | 487.2 |
| 35° | 185.8 | 185.6 | 188.7 | 193.2 | 197.7 | 207.7 | 222.4 | 241.5 | 275.0 | 333.8 | 402.3 |
| 37.5° | 165.7 | 166.6 | 168.2 | 171.0 | 175.9 | 181.5 | 190.3 | 203.2 | 227.0 | 261.8 | 319.3 |
| 40° | 154.5 | 154.9 | 157.0 | 159.4 | 162.3 | 166.6 | 173.8 | 184.3 | 201.6 | 229.4 | 271.5 |
| 42.5° | 144.2 | 144.6 | 146.1 | 148.3 | 150.6 | 154.9 | 160.9 | 169.9 | 184.0 | 205.6 | 240.3 |
| 45° | 129.1 | 129.1 | 130.4 | 131.4 | 134.0 | 137.8 | 142.8 | 150.2 | 160.0 | 176.0 | 199.1 |
| 47.5° | 114.9 | 114.9 | 115.9 | 117.5 | 119.2 | 122.2 | 127.0 | 133.1 | 140.2 | 152.6 | 172.3 |
| 50° | 106.8 | 107.0 | 107.5 | 108.9 | 109.9 | 112.6 | 116.4 | 121.7 | 129.1 | 138.7 | 155.1 |
| 52.5° | 100.2 | 100.1 | 100.8 | 101.4 | 102.1 | 104.0 | 106.9 | 111.5 | 118.1 | 126.5 | 140.1 |
| 55° | 89.5 | 88.8 | 90.0 | 90.9 | 91.5 | 92.3 | 93.8 | 96.8 | 102.5 | 109.5 | 119.7 |
| 57.5° | 76.3 | 75.9 | 76.8 | 77.7 | 79.6 | 81.6 | 83.0 | 84.8 | 87.7 | 92.8 | 102.9 |
| 60° | 65.3 | 65.3 | 67.1 | 67.7 | 69.8 | 72.6 | 75.3 | 76.9 | 79.8 | 83.1 | 90.6 |
| 62.5° | 55.6 | 55.8 | 56.6 | 57.2 | 58.4 | 61.7 | 65.6 | 69.1 | 71.8 | 75.0 | 79.9 |
| 65° | 46.6 | 46.9 | 46.9 | 47.4 | 48.1 | 48.9 | 50.5 | 53.2 | 58.1 | 62.6 | 66.3 |
| 67.5° | 39.5 | 39.6 | 39.8 | 40.1 | 40.3 | 41.2 | 41.8 | 43.0 | 44.2 | 48.4 | 53.0 |
| 70° | 34.8 | 35.4 | 35.2 | 35.6 | 35.8 | 36.2 | 36.9 | 37.5 | 39.3 | 40.3 | 43.0 |
| 72.5° | 30.4 | 30.8 | 30.8 | 31.1 | 31.6 | 31.7 | 32.3 | 32.9 | 34.0 | 34.8 | 36.3 |
| 75° | 24.6 | 24.5 | 24.6 | 25.1 | 25.2 | 25.4 | 25.4 | 26.2 | 26.8 | 27.6 | 28.6 |
| 77.5° | 19.0 | 19.2 | 19.2 | 19.2 | 19.3 | 19.6 | 19.5 | 19.9 | 20.5 | 20.9 | 21.4 |
| 80° | 15.2 | 15.4 | 15.2 | 15.4 | 15.7 | 15.8 | 15.7 | 15.8 | 16.4 | 16.8 | 16.8 |
| 82.5° | 11.8 | 11.9 | 12.0 | 12.0 | 12.1 | 12.1 | 12.4 | 12.4 | 12.8 | 12.7 | 12.9 |
| 85° | 7.1 | 6.9 | 6.9 | 6.9 | 7.1 | 7.2 | 7.1 | 7.1 | 7.2 | 7.2 | 7.2 |
| 87.5° | 4.6 | 4.7 | 4.7 | 4.6 | 4.6 | 4.6 | 4.7 | 4.9 | 4.7 | 4.9 | 4.5 |
| 90° | 10.3 | 10.2 | 10.2 | 10.2 | 10.1 | 10.1 | 10.2 | 10.4 | 10.5 | 10.7 | 9.1 |
| 92.5° | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.7 | 9.7 | 9.7 | 9.6 | 9.3 |
| 95° | 18.9 | 19.0 | 19.1 | 19.3 | 19.4 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.4 |
| 97.5° | 32.6 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.5 |
| 100° | 41.7 | 41.8 | 41.8 | 41.8 | 41.9 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 41.8 |
| 102.5° | 51.9 | 52.0 | 52.0 | 52.1 | 52.2 | 52.2 | 52.1 | 52.1 | 52.0 | 51.9 | 51.7 |
| 105° | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.3 | 67.2 | 67.1 | 66.9 | 66.8 |
| 107.5° | 82.2 | 82.6 | 82.9 | 83.2 | 83.5 | 83.6 | 83.6 | 83.5 | 83.4 | 83.4 | 83.4 |
| 110° | 93.7 | 93.9 | 94.1 | 94.3 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |



TEST NUMBER: P331616-935

CATALOG NUMBER: SA2XXRDIP-C290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 104.6 | 104.8 | 105.0 | 105.1 | 105.2 | 105.4 | 105.6 | 105.7 | 105.9 | 106.1 | 106.1 |
| 115° | 121.7 | 121.9 | 122.1 | 122.3 | 122.5 | 122.6 | 122.7 | 122.8 | 122.9 | 122.9 | 123.0 |
| 117.5° | 137.9 | 138.1 | 138.4 | 138.5 | 138.7 | 138.9 | 139.1 | 139.2 | 139.4 | 139.6 | 139.9 |
| 120° | 149.4 | 149.6 | 149.7 | 150.0 | 150.2 | 150.2 | 150.2 | 150.2 | 150.2 | 150.2 | 150.8 |
| 122.5° | 160.6 | 160.7 | 160.8 | 161.0 | 161.2 | 161.3 | 161.4 | 161.6 | 161.8 | 162.0 | 162.3 |
| 125° | 177.6 | 177.7 | 177.8 | 177.9 | 177.9 | 178.1 | 178.2 | 178.5 | 178.7 | 178.8 | 179.1 |
| 127.5° | 193.2 | 193.5 | 193.6 | 193.9 | 194.1 | 194.3 | 194.6 | 194.8 | 195.0 | 195.3 | 195.5 |
| 130° | 204.4 | 204.7 | 204.9 | 205.3 | 205.5 | 205.7 | 205.9 | 206.0 | 206.1 | 206.2 | 206.4 |
| 132.5° | 215.2 | 215.3 | 215.6 | 215.8 | 216.0 | 216.3 | 216.5 | 216.8 | 217.1 | 217.4 | 217.4 |
| 135° | 231.8 | 232.0 | 232.2 | 232.4 | 232.6 | 232.7 | 232.8 | 232.9 | 232.9 | 233.0 | 232.9 |
| 137.5° | 246.8 | 247.2 | 247.5 | 247.7 | 248.0 | 248.1 | 248.1 | 248.2 | 248.3 | 248.3 | 248.1 |
| 140° | 257.4 | 257.6 | 257.9 | 258.1 | 258.4 | 258.6 | 258.6 | 258.6 | 258.6 | 258.6 | 258.2 |
| 142.5° | 266.8 | 267.1 | 267.3 | 267.7 | 267.9 | 268.0 | 267.9 | 267.9 | 267.9 | 267.8 | 267.6 |
| 145° | 281.0 | 281.4 | 281.6 | 281.9 | 282.1 | 282.2 | 282.1 | 282.1 | 282.1 | 282.0 | 281.5 |
| 147.5° | 293.8 | 294.0 | 294.3 | 294.5 | 294.8 | 294.9 | 294.7 | 294.5 | 294.5 | 294.3 | 294.0 |
| 150° | 302.0 | 302.3 | 302.5 | 302.6 | 302.9 | 302.9 | 302.6 | 302.5 | 302.3 | 302.0 | 301.8 |
| 152.5° | 309.9 | 310.1 | 310.4 | 310.6 | 310.9 | 310.9 | 310.6 | 310.4 | 310.1 | 309.9 | 309.5 |
| 155° | 320.3 | 320.6 | 320.7 | 320.9 | 321.2 | 321.1 | 320.7 | 320.4 | 320.0 | 319.7 | 319.5 |
| 157.5° | 329.3 | 329.7 | 329.9 | 330.3 | 330.6 | 330.5 | 330.1 | 329.6 | 329.2 | 328.7 | 328.6 |
| 160° | 334.9 | 335.2 | 335.4 | 335.7 | 336.0 | 336.0 | 335.5 | 335.1 | 334.7 | 334.3 | 334.2 |
| 162.5° | 339.8 | 340.1 | 340.4 | 340.8 | 341.0 | 341.0 | 340.5 | 340.1 | 339.7 | 339.1 | 339.1 |
| 165° | 346.2 | 346.5 | 346.8 | 347.2 | 347.5 | 347.4 | 347.0 | 346.5 | 346.0 | 345.5 | 345.5 |
| 167.5° | 351.4 | 351.7 | 352.1 | 352.5 | 352.8 | 352.8 | 352.2 | 351.8 | 351.3 | 350.9 | 350.9 |
| 170° | 354.0 | 354.5 | 354.9 | 355.3 | 355.7 | 355.7 | 355.2 | 354.7 | 354.2 | 353.8 | 353.9 |
| 172.5° | 356.3 | 356.7 | 357.1 | 357.5 | 357.9 | 357.8 | 357.4 | 356.9 | 356.5 | 355.9 | 356.0 |
| 175° | 358.6 | 359.0 | 359.5 | 359.9 | 360.2 | 360.2 | 359.7 | 359.3 | 358.8 | 358.3 | 358.4 |
| 177.5° | 359.7 | 360.1 | 360.4 | 360.7 | 361.0 | 361.0 | 360.7 | 360.4 | 360.1 | 359.7 | 359.8 |
| 180° | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 |



TEST NUMBER: P331616-935

CATALOG NUMBER: SA2XXRDIP-C290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 |
| 2.5° | 576.4 | 575.1 | 573.9 | 571.2 | 569.7 | 566.6 | 566.2 | 566.0 | 562.0 | 558.0 | 556.9 |
| 5° | 596.2 | 593.0 | 588.3 | 582.8 | 577.1 | 571.3 | 567.4 | 564.2 | 556.4 | 549.0 | 544.7 |
| 7.5° | 616.0 | 609.3 | 601.2 | 590.9 | 582.2 | 572.6 | 565.3 | 558.9 | 547.8 | 537.1 | 529.9 |
| 10° | 630.9 | 620.0 | 609.2 | 595.0 | 583.8 | 572.8 | 562.7 | 553.9 | 541.4 | 527.3 | 517.3 |
| 12.5° | 640.2 | 628.1 | 613.3 | 599.3 | 584.9 | 570.9 | 557.3 | 546.0 | 531.3 | 516.8 | 505.0 |
| 15° | 652.6 | 639.7 | 621.7 | 601.8 | 583.2 | 565.0 | 549.4 | 535.3 | 516.2 | 498.7 | 484.2 |
| 17.5° | 662.9 | 645.1 | 625.8 | 602.7 | 581.2 | 558.1 | 538.0 | 520.0 | 498.6 | 477.6 | 460.5 |
| 20° | 666.2 | 648.5 | 626.2 | 603.1 | 577.7 | 550.5 | 528.8 | 509.3 | 486.4 | 463.5 | 443.9 |
| 22.5° | 664.1 | 650.4 | 625.6 | 598.0 | 572.0 | 543.5 | 519.0 | 496.3 | 470.9 | 447.5 | 424.9 |
| 25° | 650.3 | 645.6 | 622.2 | 592.0 | 562.3 | 529.3 | 500.8 | 476.0 | 447.1 | 422.1 | 397.4 |
| 27.5° | 618.1 | 628.3 | 613.7 | 581.6 | 548.5 | 513.2 | 481.2 | 453.0 | 422.9 | 394.8 | 370.2 |
| 30° | 587.1 | 610.4 | 604.2 | 574.4 | 537.4 | 502.7 | 466.8 | 437.3 | 405.3 | 376.3 | 352.1 |
| 32.5° | 544.8 | 583.2 | 589.3 | 564.4 | 526.2 | 487.9 | 450.4 | 421.0 | 387.5 | 357.1 | 333.4 |
| 35° | 477.2 | 534.7 | 561.1 | 545.3 | 507.0 | 465.6 | 427.0 | 392.7 | 359.0 | 329.0 | 305.5 |
| 37.5° | 396.7 | 475.0 | 519.0 | 520.1 | 484.9 | 442.0 | 399.8 | 365.8 | 331.4 | 301.9 | 276.5 |
| 40° | 344.4 | 429.3 | 486.6 | 499.3 | 469.6 | 423.3 | 380.6 | 345.9 | 312.4 | 283.4 | 254.3 |
| 42.5° | 297.5 | 382.0 | 452.5 | 474.6 | 451.0 | 404.9 | 362.1 | 326.0 | 293.3 | 265.9 | 236.1 |
| 45° | 240.6 | 314.5 | 392.1 | 431.6 | 418.5 | 375.9 | 330.7 | 296.3 | 265.6 | 241.9 | 213.4 |
| 47.5° | 202.9 | 255.0 | 330.2 | 383.6 | 383.4 | 344.5 | 300.0 | 267.1 | 238.6 | 216.4 | 193.3 |
| 50° | 181.5 | 226.9 | 290.4 | 351.0 | 356.1 | 323.5 | 281.2 | 248.6 | 222.0 | 198.7 | 180.1 |
| 52.5° | 162.2 | 199.7 | 256.8 | 315.0 | 329.4 | 301.1 | 260.1 | 230.0 | 204.1 | 182.7 | 166.9 |
| 55° | 137.1 | 166.1 | 209.5 | 263.8 | 285.8 | 265.8 | 229.4 | 201.2 | 180.3 | 162.3 | 148.6 |
| 57.5° | 116.0 | 137.7 | 172.5 | 216.3 | 241.8 | 229.3 | 199.2 | 176.3 | 158.4 | 142.2 | 131.4 |
| 60° | 102.7 | 120.5 | 150.0 | 186.6 | 214.7 | 206.0 | 180.3 | 159.0 | 143.8 | 129.7 | 119.5 |
| 62.5° | 90.1 | 105.5 | 130.8 | 160.5 | 186.2 | 182.6 | 161.7 | 143.8 | 130.4 | 117.6 | 109.0 |
| 65° | 72.6 | 83.7 | 103.5 | 126.7 | 147.5 | 149.2 | 134.1 | 122.0 | 110.1 | 100.0 | 92.3 |
| 67.5° | 57.8 | 65.1 | 79.0 | 98.6 | 114.1 | 119.7 | 110.5 | 101.2 | 91.7 | 83.9 | 77.2 |
| 70° | 48.7 | 54.6 | 64.7 | 80.6 | 94.9 | 100.7 | 95.4 | 88.2 | 80.0 | 73.5 | 67.8 |
| 72.5° | 39.4 | 45.2 | 52.7 | 64.3 | 76.5 | 82.9 | 81.0 | 75.9 | 69.2 | 63.8 | 58.5 |
| 75° | 29.7 | 31.5 | 36.6 | 44.4 | 54.0 | 59.5 | 60.8 | 58.1 | 52.8 | 48.7 | 45.5 |
| 77.5° | 22.0 | 23.1 | 25.5 | 29.5 | 35.8 | 40.7 | 42.7 | 42.4 | 38.7 | 36.4 | 33.4 |
| 80° | 17.6 | 18.2 | 19.4 | 21.1 | 25.8 | 30.7 | 32.1 | 32.1 | 29.5 | 28.6 | 25.7 |
| 82.5° | 13.3 | 13.8 | 14.6 | 15.5 | 17.7 | 22.0 | 23.5 | 23.8 | 22.2 | 20.9 | 18.6 |
| 85° | 7.7 | 7.4 | 7.8 | 8.4 | 8.8 | 10.0 | 12.3 | 12.7 | 12.3 | 10.8 | 10.2 |
| 87.5° | 4.2 | 4.0 | 3.8 | 3.4 | 3.4 | 3.4 | 4.0 | 4.6 | 4.1 | 3.8 | 3.7 |
| 90° | 7.7 | 6.2 | 4.7 | 3.5 | 2.8 | 1.9 | 1.1 | 0.3 | 1.1 | 1.9 | 2.8 |
| 92.5° | 9.0 | 8.6 | 8.3 | 7.8 | 7.2 | 6.6 | 6.0 | 5.4 | 6.0 | 6.6 | 7.2 |
| 95° | 19.2 | 19.0 | 18.9 | 18.5 | 17.8 | 17.1 | 16.5 | 15.8 | 16.5 | 17.1 | 17.8 |
| 97.5° | 32.2 | 31.9 | 31.7 | 31.3 | 30.7 | 30.0 | 29.5 | 28.9 | 29.5 | 30.0 | 30.7 |
| 100° | 41.6 | 41.3 | 41.2 | 40.8 | 40.3 | 39.7 | 39.2 | 38.7 | 39.2 | 39.7 | 40.3 |
| 102.5° | 51.4 | 51.1 | 51.0 | 50.5 | 50.1 | 49.7 | 49.2 | 48.8 | 49.2 | 49.7 | 50.1 |
| 105° | 66.6 | 66.6 | 66.4 | 66.2 | 66.0 | 65.8 | 65.6 | 65.4 | 65.6 | 65.8 | 66.0 |
| 107.5° | 83.4 | 83.4 | 83.4 | 83.3 | 83.0 | 82.7 | 82.4 | 82.1 | 82.4 | 82.7 | 83.0 |
| 110° | 94.6 | 94.6 | 94.6 | 94.4 | 94.0 | 93.6 | 93.2 | 92.8 | 93.2 | 93.6 | 94.0 |



TEST NUMBER: P331616-935

CATALOG NUMBER: SA2XXRDIP-C290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 106.2 | 106.2 | 106.2 | 106.1 | 105.6 | 105.3 | 104.9 | 104.4 | 104.9 | 105.3 | 105.6 |
| 115° | 123.1 | 123.3 | 123.5 | 123.3 | 122.9 | 122.5 | 122.1 | 121.7 | 122.1 | 122.5 | 122.9 |
| 117.5° | 140.3 | 140.7 | 141.1 | 141.0 | 140.4 | 139.9 | 139.4 | 138.8 | 139.4 | 139.9 | 140.4 |
| 120° | 151.4 | 151.9 | 152.4 | 152.4 | 151.9 | 151.4 | 150.8 | 150.2 | 150.8 | 151.4 | 151.9 |
| 122.5° | 162.7 | 163.1 | 163.5 | 163.3 | 162.6 | 162.0 | 161.4 | 160.7 | 161.4 | 162.0 | 162.6 |
| 125° | 179.3 | 179.4 | 179.7 | 179.4 | 178.8 | 178.2 | 177.6 | 177.0 | 177.6 | 178.2 | 178.8 |
| 127.5° | 195.8 | 196.0 | 196.2 | 196.0 | 195.2 | 194.5 | 193.7 | 193.0 | 193.7 | 194.5 | 195.2 |
| 130° | 206.6 | 206.6 | 206.8 | 206.4 | 205.5 | 204.7 | 203.8 | 202.9 | 203.8 | 204.7 | 205.5 |
| 132.5° | 217.4 | 217.3 | 217.3 | 217.0 | 216.2 | 215.5 | 214.8 | 214.1 | 214.8 | 215.5 | 216.2 |
| 135° | 232.7 | 232.6 | 232.5 | 232.0 | 231.3 | 230.6 | 229.8 | 229.0 | 229.8 | 230.6 | 231.3 |
| 137.5° | 248.0 | 247.8 | 247.6 | 247.3 | 246.7 | 246.0 | 245.4 | 244.8 | 245.4 | 246.0 | 246.7 |
| 140° | 257.9 | 257.5 | 257.2 | 256.8 | 256.1 | 255.5 | 254.9 | 254.3 | 254.9 | 255.5 | 256.1 |
| 142.5° | 267.3 | 267.1 | 266.9 | 266.5 | 265.9 | 265.3 | 264.7 | 264.1 | 264.7 | 265.3 | 265.9 |
| 145° | 281.2 | 280.8 | 280.3 | 279.9 | 279.5 | 279.0 | 278.5 | 278.0 | 278.5 | 279.0 | 279.5 |
| 147.5° | 293.8 | 293.4 | 293.2 | 292.7 | 292.2 | 291.6 | 291.1 | 290.5 | 291.1 | 291.6 | 292.2 |
| 150° | 301.5 | 301.3 | 301.0 | 300.7 | 300.2 | 299.8 | 299.5 | 299.0 | 299.5 | 299.8 | 300.2 |
| 152.5° | 309.2 | 308.8 | 308.6 | 308.2 | 307.8 | 307.4 | 306.9 | 306.6 | 306.9 | 307.4 | 307.8 |
| 155° | 319.3 | 319.1 | 318.9 | 318.7 | 318.5 | 318.3 | 318.1 | 317.9 | 318.1 | 318.3 | 318.5 |
| 157.5° | 328.5 | 328.4 | 328.2 | 328.1 | 328.0 | 327.8 | 327.7 | 327.5 | 327.7 | 327.8 | 328.0 |
| 160° | 334.2 | 334.1 | 334.1 | 333.9 | 333.8 | 333.6 | 333.6 | 333.4 | 333.6 | 333.6 | 333.8 |
| 162.5° | 339.1 | 339.0 | 338.9 | 338.9 | 338.8 | 338.8 | 338.8 | 338.7 | 338.8 | 338.8 | 338.8 |
| 165° | 345.5 | 345.5 | 345.5 | 345.6 | 345.7 | 345.7 | 345.8 | 345.9 | 345.8 | 345.7 | 345.7 |
| 167.5° | 350.9 | 350.9 | 350.9 | 351.0 | 351.2 | 351.5 | 351.6 | 351.8 | 351.6 | 351.5 | 351.2 |
| 170° | 353.9 | 354.0 | 354.0 | 354.2 | 354.4 | 354.6 | 354.8 | 355.0 | 354.8 | 354.6 | 354.4 |
| 172.5° | 356.1 | 356.2 | 356.2 | 356.4 | 356.5 | 356.8 | 357.0 | 357.1 | 357.0 | 356.8 | 356.5 |
| 175° | 358.6 | 358.8 | 358.9 | 359.0 | 359.2 | 359.5 | 359.6 | 359.9 | 359.6 | 359.5 | 359.2 |
| 177.5° | 360.0 | 360.1 | 360.2 | 360.3 | 360.5 | 360.6 | 360.8 | 360.9 | 360.8 | 360.6 | 360.5 |
| 180° | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 |



TEST NUMBER: P331616-935

CATALOG NUMBER: SA2XXRDIP-C290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 |
| 2.5° | 554.9 | 553.8 | 551.7 | 548.6 | 546.7 | 543.5 | 541.3 | 542.5 | 542.9 | 542.5 | 542.3 |
| 5° | 540.0 | 535.9 | 530.2 | 524.7 | 519.6 | 514.2 | 511.0 | 509.7 | 507.0 | 505.4 | 504.5 |
| 7.5° | 521.9 | 514.9 | 506.9 | 497.3 | 489.2 | 480.7 | 476.4 | 474.2 | 468.6 | 465.6 | 463.0 |
| 10° | 508.5 | 497.3 | 489.3 | 476.8 | 469.2 | 458.1 | 450.4 | 450.6 | 443.0 | 438.7 | 435.6 |
| 12.5° | 493.6 | 481.4 | 468.0 | 456.8 | 446.2 | 437.2 | 428.0 | 424.3 | 416.2 | 412.1 | 403.6 |
| 15° | 469.0 | 454.7 | 440.7 | 425.4 | 414.7 | 400.7 | 387.4 | 371.2 | 358.1 | 346.7 | 343.6 |
| 17.5° | 442.1 | 424.4 | 410.3 | 392.4 | 373.9 | 350.6 | 335.2 | 325.7 | 317.9 | 311.9 | 307.4 |
| 20° | 423.6 | 405.6 | 390.5 | 363.6 | 338.7 | 322.9 | 311.6 | 304.3 | 296.1 | 289.6 | 286.1 |
| 22.5° | 404.2 | 385.5 | 364.9 | 334.8 | 315.4 | 302.7 | 292.7 | 284.3 | 278.7 | 273.7 | 270.4 |
| 25° | 376.7 | 356.1 | 322.3 | 301.6 | 285.9 | 272.6 | 265.6 | 260.5 | 254.7 | 247.8 | 244.7 |
| 27.5° | 347.6 | 315.0 | 290.6 | 275.2 | 260.3 | 251.7 | 245.3 | 237.7 | 232.5 | 229.4 | 226.1 |
| 30° | 325.8 | 293.2 | 274.2 | 257.4 | 246.8 | 237.2 | 229.8 | 225.5 | 220.4 | 215.2 | 213.0 |
| 32.5° | 301.6 | 275.5 | 257.3 | 243.3 | 232.6 | 224.4 | 218.5 | 211.5 | 207.9 | 204.7 | 200.2 |
| 35° | 271.5 | 251.7 | 235.1 | 223.8 | 213.5 | 206.9 | 200.1 | 196.0 | 189.3 | 186.6 | 184.9 |
| 37.5° | 246.0 | 228.9 | 216.5 | 204.5 | 196.4 | 189.1 | 184.9 | 178.3 | 175.5 | 171.6 | 167.9 |
| 40° | 231.5 | 214.7 | 202.9 | 193.0 | 184.0 | 178.6 | 173.3 | 168.0 | 163.7 | 162.0 | 157.5 |
| 42.5° | 216.9 | 203.2 | 191.2 | 180.6 | 174.5 | 168.7 | 162.0 | 158.2 | 153.7 | 150.8 | 148.1 |
| 45° | 196.6 | 184.4 | 174.3 | 165.5 | 158.8 | 152.7 | 148.4 | 142.0 | 139.5 | 133.8 | 131.4 |
| 47.5° | 178.7 | 167.5 | 157.7 | 149.4 | 142.9 | 139.0 | 132.7 | 127.6 | 123.6 | 120.0 | 117.0 |
| 50° | 166.1 | 156.6 | 147.2 | 139.8 | 134.0 | 128.3 | 121.8 | 119.3 | 113.0 | 111.2 | 109.5 |
| 52.5° | 154.5 | 145.5 | 137.0 | 129.7 | 123.8 | 118.3 | 112.6 | 109.3 | 105.0 | 103.3 | 102.0 |
| 55° | 138.3 | 129.7 | 121.5 | 115.0 | 109.2 | 103.5 | 100.0 | 95.8 | 93.8 | 92.5 | 90.9 |
| 57.5° | 122.0 | 114.3 | 108.0 | 101.4 | 95.5 | 91.0 | 87.0 | 84.5 | 82.5 | 80.7 | 78.8 |
| 60° | 111.7 | 104.3 | 98.6 | 92.5 | 86.4 | 82.7 | 79.6 | 76.6 | 74.3 | 71.5 | 70.8 |
| 62.5° | 100.7 | 94.2 | 89.0 | 83.1 | 77.8 | 74.5 | 71.5 | 68.7 | 65.9 | 61.9 | 60.8 |
| 65° | 85.7 | 80.6 | 75.1 | 70.2 | 65.5 | 62.2 | 57.9 | 54.8 | 53.6 | 53.2 | 53.0 |
| 67.5° | 72.1 | 67.2 | 62.5 | 57.5 | 53.3 | 50.2 | 48.0 | 47.5 | 46.7 | 46.5 | 45.9 |
| 70° | 62.9 | 58.5 | 53.8 | 49.1 | 44.9 | 44.4 | 43.7 | 42.8 | 41.8 | 41.5 | 41.1 |
| 72.5° | 54.8 | 50.2 | 45.5 | 41.8 | 40.0 | 39.3 | 38.5 | 37.6 | 37.0 | 36.6 | 36.4 |
| 75° | 42.0 | 37.7 | 34.6 | 33.2 | 32.3 | 31.7 | 30.5 | 30.0 | 29.5 | 28.9 | 28.8 |
| 77.5° | 30.3 | 27.8 | 26.4 | 25.6 | 24.5 | 23.9 | 23.2 | 22.6 | 22.2 | 22.1 | 21.8 |
| 80° | 23.1 | 21.9 | 20.9 | 19.7 | 19.4 | 18.6 | 18.4 | 17.8 | 18.0 | 17.4 | 17.4 |
| 82.5° | 17.9 | 16.4 | 15.6 | 15.1 | 14.6 | 14.0 | 13.9 | 13.6 | 13.6 | 13.2 | 13.2 |
| 85° | 9.2 | 8.8 | 8.4 | 8.0 | 8.0 | 7.4 | 7.7 | 7.4 | 7.4 | 7.1 | 6.9 |
| 87.5° | 3.7 | 3.8 | 3.7 | 4.0 | 4.3 | 4.5 | 4.5 | 4.3 | 4.2 | 4.2 | 4.0 |
| 90° | 3.5 | 4.7 | 6.2 | 7.7 | 9.1 | 10.7 | 10.5 | 10.4 | 10.2 | 10.1 | 10.1 |
| 92.5° | 7.8 | 8.3 | 8.6 | 9.0 | 9.3 | 9.6 | 9.7 | 9.7 | 9.7 | 9.8 | 9.8 |
| 95° | 18.5 | 18.9 | 19.0 | 19.2 | 19.4 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.4 |
| 97.5° | 31.3 | 31.7 | 31.9 | 32.2 | 32.5 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 |
| 100° | 40.8 | 41.2 | 41.3 | 41.6 | 41.8 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 41.9 |
| 102.5° | 50.5 | 51.0 | 51.1 | 51.4 | 51.7 | 51.9 | 52.0 | 52.1 | 52.1 | 52.2 | 52.2 |
| 105° | 66.2 | 66.4 | 66.6 | 66.6 | 66.8 | 66.9 | 67.1 | 67.2 | 67.3 | 67.5 | 67.5 |
| 107.5° | 83.3 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.5 | 83.6 | 83.6 | 83.5 |
| 110° | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.5 |



TEST NUMBER: P331616-935

CATALOG NUMBER: SA2XXRDIP-C290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 106.1 | 106.2 | 106.2 | 106.2 | 106.1 | 106.1 | 105.9 | 105.7 | 105.6 | 105.4 | 105.2 |
| 115° | 123.3 | 123.5 | 123.3 | 123.1 | 123.0 | 122.9 | 122.9 | 122.8 | 122.7 | 122.6 | 122.5 |
| 117.5° | 141.0 | 141.1 | 140.7 | 140.3 | 139.9 | 139.6 | 139.4 | 139.2 | 139.1 | 138.9 | 138.7 |
| 120° | 152.4 | 152.4 | 151.9 | 151.4 | 150.8 | 150.2 | 150.2 | 150.2 | 150.2 | 150.2 | 150.2 |
| 122.5° | 163.3 | 163.5 | 163.1 | 162.7 | 162.3 | 162.0 | 161.8 | 161.6 | 161.4 | 161.3 | 161.2 |
| 125° | 179.4 | 179.7 | 179.4 | 179.3 | 179.1 | 178.8 | 178.7 | 178.5 | 178.2 | 178.1 | 177.9 |
| 127.5° | 196.0 | 196.2 | 196.0 | 195.8 | 195.5 | 195.3 | 195.0 | 194.8 | 194.6 | 194.3 | 194.1 |
| 130° | 206.4 | 206.8 | 206.6 | 206.6 | 206.4 | 206.2 | 206.1 | 206.0 | 205.9 | 205.7 | 205.5 |
| 132.5° | 217.0 | 217.3 | 217.3 | 217.4 | 217.4 | 217.4 | 217.1 | 216.8 | 216.5 | 216.3 | 216.0 |
| 135° | 232.0 | 232.5 | 232.6 | 232.7 | 232.9 | 233.0 | 232.9 | 232.9 | 232.8 | 232.7 | 232.6 |
| 137.5° | 247.3 | 247.6 | 247.8 | 248.0 | 248.1 | 248.3 | 248.3 | 248.2 | 248.1 | 248.1 | 248.0 |
| 140° | 256.8 | 257.2 | 257.5 | 257.9 | 258.2 | 258.6 | 258.6 | 258.6 | 258.6 | 258.6 | 258.4 |
| 142.5° | 266.5 | 266.9 | 267.1 | 267.3 | 267.6 | 267.8 | 267.9 | 267.9 | 267.9 | 268.0 | 267.9 |
| 145° | 279.9 | 280.3 | 280.8 | 281.2 | 281.5 | 282.0 | 282.1 | 282.1 | 282.1 | 282.2 | 282.1 |
| 147.5° | 292.7 | 293.2 | 293.4 | 293.8 | 294.0 | 294.3 | 294.5 | 294.5 | 294.7 | 294.9 | 294.8 |
| 150° | 300.7 | 301.0 | 301.3 | 301.5 | 301.8 | 302.0 | 302.3 | 302.5 | 302.6 | 302.9 | 302.9 |
| 152.5° | 308.2 | 308.6 | 308.8 | 309.2 | 309.5 | 309.9 | 310.1 | 310.4 | 310.6 | 310.9 | 310.9 |
| 155° | 318.7 | 318.9 | 319.1 | 319.3 | 319.5 | 319.7 | 320.0 | 320.4 | 320.7 | 321.1 | 321.2 |
| 157.5° | 328.1 | 328.2 | 328.4 | 328.5 | 328.6 | 328.7 | 329.2 | 329.6 | 330.1 | 330.5 | 330.6 |
| 160° | 333.9 | 334.1 | 334.1 | 334.2 | 334.2 | 334.3 | 334.7 | 335.1 | 335.5 | 336.0 | 336.0 |
| 162.5° | 338.9 | 338.9 | 339.0 | 339.1 | 339.1 | 339.1 | 339.7 | 340.1 | 340.5 | 341.0 | 341.0 |
| 165° | 345.6 | 345.5 | 345.5 | 345.5 | 345.5 | 345.5 | 346.0 | 346.5 | 347.0 | 347.4 | 347.5 |
| 167.5° | 351.0 | 350.9 | 350.9 | 350.9 | 350.9 | 350.9 | 351.3 | 351.8 | 352.2 | 352.8 | 352.8 |
| 170° | 354.2 | 354.0 | 354.0 | 353.9 | 353.9 | 353.8 | 354.2 | 354.7 | 355.2 | 355.7 | 355.7 |
| 172.5° | 356.4 | 356.2 | 356.2 | 356.1 | 356.0 | 355.9 | 356.5 | 356.9 | 357.4 | 357.8 | 357.9 |
| 175° | 359.0 | 358.9 | 358.8 | 358.6 | 358.4 | 358.3 | 358.8 | 359.3 | 359.7 | 360.2 | 360.2 |
| 177.5° | 360.3 | 360.2 | 360.1 | 360.0 | 359.8 | 359.7 | 360.1 | 360.4 | 360.7 | 361.0 | 361.0 |
| 180° | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 |



TEST NUMBER: P331616-935

CATALOG NUMBER: SA2XXRDIP-C290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 |
| 2.5° | 540.5 | 540.8 | 540.4 | 540.6 | 540.4 | 540.8 | 540.5 | 542.3 | 542.5 | 542.9 | 542.5 |
| 5° | 503.6 | 501.3 | 500.8 | 500.3 | 500.8 | 501.3 | 503.6 | 504.5 | 505.4 | 507.0 | 509.7 |
| 7.5° | 459.6 | 459.3 | 458.2 | 456.8 | 458.2 | 459.3 | 459.6 | 463.0 | 465.6 | 468.6 | 474.2 |
| 10° | 431.3 | 430.2 | 430.1 | 428.7 | 430.1 | 430.2 | 431.3 | 435.6 | 438.7 | 443.0 | 450.6 |
| 12.5° | 398.0 | 391.8 | 391.2 | 387.7 | 391.2 | 391.8 | 398.0 | 403.6 | 412.1 | 416.2 | 424.3 |
| 15° | 339.0 | 337.8 | 333.8 | 331.3 | 333.8 | 337.8 | 339.0 | 343.6 | 346.7 | 358.1 | 371.2 |
| 17.5° | 305.1 | 301.3 | 300.1 | 299.5 | 300.1 | 301.3 | 305.1 | 307.4 | 311.9 | 317.9 | 325.7 |
| 20° | 283.4 | 279.9 | 279.3 | 278.9 | 279.3 | 279.9 | 283.4 | 286.1 | 289.6 | 296.1 | 304.3 |
| 22.5° | 268.4 | 264.7 | 263.2 | 262.0 | 263.2 | 264.7 | 268.4 | 270.4 | 273.7 | 278.7 | 284.3 |
| 25° | 242.7 | 241.3 | 240.6 | 240.1 | 240.6 | 241.3 | 242.7 | 244.7 | 247.8 | 254.7 | 260.5 |
| 27.5° | 222.7 | 219.6 | 219.0 | 218.0 | 219.0 | 219.6 | 222.7 | 226.1 | 229.4 | 232.5 | 237.7 |
| 30° | 211.2 | 210.3 | 208.9 | 207.7 | 208.9 | 210.3 | 211.2 | 213.0 | 215.2 | 220.4 | 225.5 |
| 32.5° | 197.8 | 196.9 | 195.7 | 195.2 | 195.7 | 196.9 | 197.8 | 200.2 | 204.7 | 207.9 | 211.5 |
| 35° | 182.9 | 180.1 | 178.9 | 177.2 | 178.9 | 180.1 | 182.9 | 184.9 | 186.6 | 189.3 | 196.0 |
| 37.5° | 167.1 | 165.7 | 164.0 | 164.6 | 164.0 | 165.7 | 167.1 | 167.9 | 171.6 | 175.5 | 178.3 |
| 40° | 154.9 | 153.9 | 153.5 | 153.3 | 153.5 | 153.9 | 154.9 | 157.5 | 162.0 | 163.7 | 168.0 |
| 42.5° | 145.2 | 142.5 | 141.5 | 141.5 | 141.5 | 142.5 | 145.2 | 148.1 | 150.8 | 153.7 | 158.2 |
| 45° | 130.4 | 127.9 | 126.1 | 126.3 | 126.1 | 127.9 | 130.4 | 131.4 | 133.8 | 139.5 | 142.0 |
| 47.5° | 115.4 | 115.3 | 114.2 | 114.5 | 114.2 | 115.3 | 115.4 | 117.0 | 120.0 | 123.6 | 127.6 |
| 50° | 108.1 | 107.0 | 106.2 | 106.4 | 106.2 | 107.0 | 108.1 | 109.5 | 111.2 | 113.0 | 119.3 |
| 52.5° | 101.3 | 100.2 | 99.6 | 100.5 | 99.6 | 100.2 | 101.3 | 102.0 | 103.3 | 105.0 | 109.3 |
| 55° | 90.0 | 88.8 | 88.6 | 88.4 | 88.6 | 88.8 | 90.0 | 90.9 | 92.5 | 93.8 | 95.8 |
| 57.5° | 77.3 | 76.5 | 75.3 | 74.9 | 75.3 | 76.5 | 77.3 | 78.8 | 80.7 | 82.5 | 84.5 |
| 60° | 68.3 | 66.7 | 64.7 | 64.6 | 64.7 | 66.7 | 68.3 | 70.8 | 71.5 | 74.3 | 76.6 |
| 62.5° | 59.9 | 59.7 | 59.2 | 59.2 | 59.2 | 59.7 | 59.9 | 60.8 | 61.9 | 65.9 | 68.7 |
| 65° | 52.6 | 52.4 | 52.6 | 52.8 | 52.6 | 52.4 | 52.6 | 53.0 | 53.2 | 53.6 | 54.8 |
| 67.5° | 45.8 | 45.5 | 45.1 | 45.3 | 45.1 | 45.5 | 45.8 | 45.9 | 46.5 | 46.7 | 47.5 |
| 70° | 40.6 | 40.5 | 40.3 | 40.3 | 40.3 | 40.5 | 40.6 | 41.1 | 41.5 | 41.8 | 42.8 |
| 72.5° | 35.6 | 35.6 | 35.5 | 35.3 | 35.5 | 35.6 | 35.6 | 36.4 | 36.6 | 37.0 | 37.6 |
| 75° | 28.6 | 28.2 | 28.2 | 28.2 | 28.2 | 28.2 | 28.6 | 28.8 | 28.9 | 29.5 | 30.0 |
| 77.5° | 21.8 | 21.5 | 21.4 | 21.2 | 21.4 | 21.5 | 21.8 | 21.8 | 22.1 | 22.2 | 22.6 |
| 80° | 17.2 | 17.0 | 16.8 | 16.8 | 16.8 | 17.0 | 17.2 | 17.4 | 17.4 | 18.0 | 17.8 |
| 82.5° | 13.2 | 12.9 | 12.9 | 12.7 | 12.9 | 12.9 | 13.2 | 13.2 | 13.2 | 13.6 | 13.6 |
| 85° | 7.1 | 7.2 | 7.1 | 7.4 | 7.1 | 7.2 | 7.1 | 6.9 | 7.1 | 7.4 | 7.4 |
| 87.5° | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.2 | 4.2 | 4.3 |
| 90° | 10.2 | 10.2 | 10.2 | 10.3 | 10.2 | 10.2 | 10.2 | 10.1 | 10.1 | 10.2 | 10.4 |
| 92.5° | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.7 | 9.7 |
| 95° | 19.3 | 19.1 | 19.0 | 18.9 | 19.0 | 19.1 | 19.3 | 19.4 | 19.5 | 19.5 | 19.5 |
| 97.5° | 32.7 | 32.7 | 32.7 | 32.6 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 |
| 100° | 41.8 | 41.8 | 41.8 | 41.7 | 41.8 | 41.8 | 41.8 | 41.9 | 42.0 | 42.0 | 42.0 |
| 102.5° | 52.1 | 52.0 | 52.0 | 51.9 | 52.0 | 52.0 | 52.1 | 52.2 | 52.2 | 52.1 | 52.1 |
| 105° | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.3 | 67.2 |
| 107.5° | 83.2 | 82.9 | 82.6 | 82.2 | 82.6 | 82.9 | 83.2 | 83.5 | 83.6 | 83.6 | 83.5 |
| 110° | 94.3 | 94.1 | 93.9 | 93.7 | 93.9 | 94.1 | 94.3 | 94.5 | 94.6 | 94.6 | 94.6 |



TEST NUMBER: P331616-935

CATALOG NUMBER: SA2XXRDIP-C290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 105.1 | 105.0 | 104.8 | 104.6 | 104.8 | 105.0 | 105.1 | 105.2 | 105.4 | 105.6 | 105.7 |
| 115° | 122.3 | 122.1 | 121.9 | 121.7 | 121.9 | 122.1 | 122.3 | 122.5 | 122.6 | 122.7 | 122.8 |
| 117.5° | 138.5 | 138.4 | 138.1 | 137.9 | 138.1 | 138.4 | 138.5 | 138.7 | 138.9 | 139.1 | 139.2 |
| 120° | 150.0 | 149.7 | 149.6 | 149.4 | 149.6 | 149.7 | 150.0 | 150.2 | 150.2 | 150.2 | 150.2 |
| 122.5° | 161.0 | 160.8 | 160.7 | 160.6 | 160.7 | 160.8 | 161.0 | 161.2 | 161.3 | 161.4 | 161.6 |
| 125° | 177.9 | 177.8 | 177.7 | 177.6 | 177.7 | 177.8 | 177.9 | 177.9 | 178.1 | 178.2 | 178.5 |
| 127.5° | 193.9 | 193.6 | 193.5 | 193.2 | 193.5 | 193.6 | 193.9 | 194.1 | 194.3 | 194.6 | 194.8 |
| 130° | 205.3 | 204.9 | 204.7 | 204.4 | 204.7 | 204.9 | 205.3 | 205.5 | 205.7 | 205.9 | 206.0 |
| 132.5° | 215.8 | 215.6 | 215.3 | 215.2 | 215.3 | 215.6 | 215.8 | 216.0 | 216.3 | 216.5 | 216.8 |
| 135° | 232.4 | 232.2 | 232.0 | 231.8 | 232.0 | 232.2 | 232.4 | 232.6 | 232.7 | 232.8 | 232.9 |
| 137.5° | 247.7 | 247.5 | 247.2 | 246.8 | 247.2 | 247.5 | 247.7 | 248.0 | 248.1 | 248.1 | 248.2 |
| 140° | 258.1 | 257.9 | 257.6 | 257.4 | 257.6 | 257.9 | 258.1 | 258.4 | 258.6 | 258.6 | 258.6 |
| 142.5° | 267.7 | 267.3 | 267.1 | 266.8 | 267.1 | 267.3 | 267.7 | 267.9 | 268.0 | 267.9 | 267.9 |
| 145° | 281.9 | 281.6 | 281.4 | 281.0 | 281.4 | 281.6 | 281.9 | 282.1 | 282.2 | 282.1 | 282.1 |
| 147.5° | 294.5 | 294.3 | 294.0 | 293.8 | 294.0 | 294.3 | 294.5 | 294.8 | 294.9 | 294.7 | 294.5 |
| 150° | 302.6 | 302.5 | 302.3 | 302.0 | 302.3 | 302.5 | 302.6 | 302.9 | 302.9 | 302.6 | 302.5 |
| 152.5° | 310.6 | 310.4 | 310.1 | 309.9 | 310.1 | 310.4 | 310.6 | 310.9 | 310.9 | 310.6 | 310.4 |
| 155° | 320.9 | 320.7 | 320.6 | 320.3 | 320.6 | 320.7 | 320.9 | 321.2 | 321.1 | 320.7 | 320.4 |
| 157.5° | 330.3 | 329.9 | 329.7 | 329.3 | 329.7 | 329.9 | 330.3 | 330.6 | 330.5 | 330.1 | 329.6 |
| 160° | 335.7 | 335.4 | 335.2 | 334.9 | 335.2 | 335.4 | 335.7 | 336.0 | 336.0 | 335.5 | 335.1 |
| 162.5° | 340.8 | 340.4 | 340.1 | 339.8 | 340.1 | 340.4 | 340.8 | 341.0 | 341.0 | 340.5 | 340.1 |
| 165° | 347.2 | 346.8 | 346.5 | 346.2 | 346.5 | 346.8 | 347.2 | 347.5 | 347.4 | 347.0 | 346.5 |
| 167.5° | 352.5 | 352.1 | 351.7 | 351.4 | 351.7 | 352.1 | 352.5 | 352.8 | 352.8 | 352.2 | 351.8 |
| 170° | 355.3 | 354.9 | 354.5 | 354.0 | 354.5 | 354.9 | 355.3 | 355.7 | 355.7 | 355.2 | 354.7 |
| 172.5° | 357.5 | 357.1 | 356.7 | 356.3 | 356.7 | 357.1 | 357.5 | 357.9 | 357.8 | 357.4 | 356.9 |
| 175° | 359.9 | 359.5 | 359.0 | 358.6 | 359.0 | 359.5 | 359.9 | 360.2 | 360.2 | 359.7 | 359.3 |
| 177.5° | 360.7 | 360.4 | 360.1 | 359.7 | 360.1 | 360.4 | 360.7 | 361.0 | 361.0 | 360.7 | 360.4 |
| 180° | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 |



TEST NUMBER: P331616-935

CATALOG NUMBER: SA2XXRDIP-C290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 |
| 2.5° | 541.3 | 543.5 | 546.7 | 548.6 | 551.7 | 553.8 | 554.9 | 556.9 | 558.0 | 562.0 | 566.0 |
| 5° | 511.0 | 514.2 | 519.6 | 524.7 | 530.2 | 535.9 | 540.0 | 544.7 | 549.0 | 556.4 | 564.2 |
| 7.5° | 476.4 | 480.7 | 489.2 | 497.3 | 506.9 | 514.9 | 521.9 | 529.9 | 537.1 | 547.8 | 558.9 |
| 10° | 450.4 | 458.1 | 469.2 | 476.8 | 489.3 | 497.3 | 508.5 | 517.3 | 527.3 | 541.4 | 553.9 |
| 12.5° | 428.0 | 437.2 | 446.2 | 456.8 | 468.0 | 481.4 | 493.6 | 505.0 | 516.8 | 531.3 | 546.0 |
| 15° | 387.4 | 400.7 | 414.7 | 425.4 | 440.7 | 454.7 | 469.0 | 484.2 | 498.7 | 516.2 | 535.3 |
| 17.5° | 335.2 | 350.6 | 373.9 | 392.4 | 410.3 | 424.4 | 442.1 | 460.5 | 477.6 | 498.6 | 520.0 |
| 20° | 311.6 | 322.9 | 338.7 | 363.6 | 390.5 | 405.6 | 423.6 | 443.9 | 463.5 | 486.4 | 509.3 |
| 22.5° | 292.7 | 302.7 | 315.4 | 334.8 | 364.9 | 385.5 | 404.2 | 424.9 | 447.5 | 470.9 | 496.3 |
| 25° | 265.6 | 272.6 | 285.9 | 301.6 | 322.3 | 356.1 | 376.7 | 397.4 | 422.1 | 447.1 | 476.0 |
| 27.5° | 245.3 | 251.7 | 260.3 | 275.2 | 290.6 | 315.0 | 347.6 | 370.2 | 394.8 | 422.9 | 453.0 |
| 30° | 229.8 | 237.2 | 246.8 | 257.4 | 274.2 | 293.2 | 325.8 | 352.1 | 376.3 | 405.3 | 437.3 |
| 32.5° | 218.5 | 224.4 | 232.6 | 243.3 | 257.3 | 275.5 | 301.6 | 333.4 | 357.1 | 387.5 | 421.0 |
| 35° | 200.1 | 206.9 | 213.5 | 223.8 | 235.1 | 251.7 | 271.5 | 305.5 | 329.0 | 359.0 | 392.7 |
| 37.5° | 184.9 | 189.1 | 196.4 | 204.5 | 216.5 | 228.9 | 246.0 | 276.5 | 301.9 | 331.4 | 365.8 |
| 40° | 173.3 | 178.6 | 184.0 | 193.0 | 202.9 | 214.7 | 231.5 | 254.3 | 283.4 | 312.4 | 345.9 |
| 42.5° | 162.0 | 168.7 | 174.5 | 180.6 | 191.2 | 203.2 | 216.9 | 236.1 | 265.9 | 293.3 | 326.0 |
| 45° | 148.4 | 152.7 | 158.8 | 165.5 | 174.3 | 184.4 | 196.6 | 213.4 | 241.9 | 265.6 | 296.3 |
| 47.5° | 132.7 | 139.0 | 142.9 | 149.4 | 157.7 | 167.5 | 178.7 | 193.3 | 216.4 | 238.6 | 267.1 |
| 50° | 121.8 | 128.3 | 134.0 | 139.8 | 147.2 | 156.6 | 166.1 | 180.1 | 198.7 | 222.0 | 248.6 |
| 52.5° | 112.6 | 118.3 | 123.8 | 129.7 | 137.0 | 145.5 | 154.5 | 166.9 | 182.7 | 204.1 | 230.0 |
| 55° | 100.0 | 103.5 | 109.2 | 115.0 | 121.5 | 129.7 | 138.3 | 148.6 | 162.3 | 180.3 | 201.2 |
| 57.5° | 87.0 | 91.0 | 95.5 | 101.4 | 108.0 | 114.3 | 122.0 | 131.4 | 142.2 | 158.4 | 176.3 |
| 60° | 79.6 | 82.7 | 86.4 | 92.5 | 98.6 | 104.3 | 111.7 | 119.5 | 129.7 | 143.8 | 159.0 |
| 62.5° | 71.5 | 74.5 | 77.8 | 83.1 | 89.0 | 94.2 | 100.7 | 109.0 | 117.6 | 130.4 | 143.8 |
| 65° | 57.9 | 62.2 | 65.5 | 70.2 | 75.1 | 80.6 | 85.7 | 92.3 | 100.0 | 110.1 | 122.0 |
| 67.5° | 48.0 | 50.2 | 53.3 | 57.5 | 62.5 | 67.2 | 72.1 | 77.2 | 83.9 | 91.7 | 101.2 |
| 70° | 43.7 | 44.4 | 44.9 | 49.1 | 53.8 | 58.5 | 62.9 | 67.8 | 73.5 | 80.0 | 88.2 |
| 72.5° | 38.5 | 39.3 | 40.0 | 41.8 | 45.5 | 50.2 | 54.8 | 58.5 | 63.8 | 69.2 | 75.9 |
| 75° | 30.5 | 31.7 | 32.3 | 33.2 | 34.6 | 37.7 | 42.0 | 45.5 | 48.7 | 52.8 | 58.1 |
| 77.5° | 23.2 | 23.9 | 24.5 | 25.6 | 26.4 | 27.8 | 30.3 | 33.4 | 36.4 | 38.7 | 42.4 |
| 80° | 18.4 | 18.6 | 19.4 | 19.7 | 20.9 | 21.9 | 23.1 | 25.7 | 28.6 | 29.5 | 32.1 |
| 82.5° | 13.9 | 14.0 | 14.6 | 15.1 | 15.6 | 16.4 | 17.9 | 18.6 | 20.9 | 22.2 | 23.8 |
| 85° | 7.7 | 7.4 | 8.0 | 8.0 | 8.4 | 8.8 | 9.2 | 10.2 | 10.8 | 12.3 | 12.7 |
| 87.5° | 4.5 | 4.5 | 4.3 | 4.0 | 3.7 | 3.8 | 3.7 | 3.7 | 3.8 | 4.1 | 4.6 |
| 90° | 10.5 | 10.7 | 9.1 | 7.7 | 6.2 | 4.7 | 3.5 | 2.8 | 1.9 | 1.1 | 0.3 |
| 92.5° | 9.7 | 9.6 | 9.3 | 9.0 | 8.6 | 8.3 | 7.8 | 7.2 | 6.6 | 6.0 | 5.4 |
| 95° | 19.5 | 19.5 | 19.4 | 19.2 | 19.0 | 18.9 | 18.5 | 17.8 | 17.1 | 16.5 | 15.8 |
| 97.5° | 32.7 | 32.7 | 32.5 | 32.2 | 31.9 | 31.7 | 31.3 | 30.7 | 30.0 | 29.5 | 28.9 |
| 100° | 42.0 | 42.0 | 41.8 | 41.6 | 41.3 | 41.2 | 40.8 | 40.3 | 39.7 | 39.2 | 38.7 |
| 102.5° | 52.0 | 51.9 | 51.7 | 51.4 | 51.1 | 51.0 | 50.5 | 50.1 | 49.7 | 49.2 | 48.8 |
| 105° | 67.1 | 66.9 | 66.8 | 66.6 | 66.6 | 66.4 | 66.2 | 66.0 | 65.8 | 65.6 | 65.4 |
| 107.5° | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.3 | 83.0 | 82.7 | 82.4 | 82.1 |
| 110° | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.4 | 94.0 | 93.6 | 93.2 | 92.8 |



TEST NUMBER: P331616-935

CATALOG NUMBER: SA2XXRDIP-C290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 105.9 | 106.1 | 106.1 | 106.2 | 106.2 | 106.2 | 106.1 | 105.6 | 105.3 | 104.9 | 104.4 |
| 115° | 122.9 | 122.9 | 123.0 | 123.1 | 123.3 | 123.5 | 123.3 | 122.9 | 122.5 | 122.1 | 121.7 |
| 117.5° | 139.4 | 139.6 | 139.9 | 140.3 | 140.7 | 141.1 | 141.0 | 140.4 | 139.9 | 139.4 | 138.8 |
| 120° | 150.2 | 150.2 | 150.8 | 151.4 | 151.9 | 152.4 | 152.4 | 151.9 | 151.4 | 150.8 | 150.2 |
| 122.5° | 161.8 | 162.0 | 162.3 | 162.7 | 163.1 | 163.5 | 163.3 | 162.6 | 162.0 | 161.4 | 160.7 |
| 125° | 178.7 | 178.8 | 179.1 | 179.3 | 179.4 | 179.7 | 179.4 | 178.8 | 178.2 | 177.6 | 177.0 |
| 127.5° | 195.0 | 195.3 | 195.5 | 195.8 | 196.0 | 196.2 | 196.0 | 195.2 | 194.5 | 193.7 | 193.0 |
| 130° | 206.1 | 206.2 | 206.4 | 206.6 | 206.6 | 206.8 | 206.4 | 205.5 | 204.7 | 203.8 | 202.9 |
| 132.5° | 217.1 | 217.4 | 217.4 | 217.4 | 217.3 | 217.3 | 217.0 | 216.2 | 215.5 | 214.8 | 214.1 |
| 135° | 232.9 | 233.0 | 232.9 | 232.7 | 232.6 | 232.5 | 232.0 | 231.3 | 230.6 | 229.8 | 229.0 |
| 137.5° | 248.3 | 248.3 | 248.1 | 248.0 | 247.8 | 247.6 | 247.3 | 246.7 | 246.0 | 245.4 | 244.8 |
| 140° | 258.6 | 258.6 | 258.2 | 257.9 | 257.5 | 257.2 | 256.8 | 256.1 | 255.5 | 254.9 | 254.3 |
| 142.5° | 267.9 | 267.8 | 267.6 | 267.3 | 267.1 | 266.9 | 266.5 | 265.9 | 265.3 | 264.7 | 264.1 |
| 145° | 282.1 | 282.0 | 281.5 | 281.2 | 280.8 | 280.3 | 279.9 | 279.5 | 279.0 | 278.5 | 278.0 |
| 147.5° | 294.5 | 294.3 | 294.0 | 293.8 | 293.4 | 293.2 | 292.7 | 292.2 | 291.6 | 291.1 | 290.5 |
| 150° | 302.3 | 302.0 | 301.8 | 301.5 | 301.3 | 301.0 | 300.7 | 300.2 | 299.8 | 299.5 | 299.0 |
| 152.5° | 310.1 | 309.9 | 309.5 | 309.2 | 308.8 | 308.6 | 308.2 | 307.8 | 307.4 | 306.9 | 306.6 |
| 155° | 320.0 | 319.7 | 319.5 | 319.3 | 319.1 | 318.9 | 318.7 | 318.5 | 318.3 | 318.1 | 317.9 |
| 157.5° | 329.2 | 328.7 | 328.6 | 328.5 | 328.4 | 328.2 | 328.1 | 328.0 | 327.8 | 327.7 | 327.5 |
| 160° | 334.7 | 334.3 | 334.2 | 334.2 | 334.1 | 334.1 | 333.9 | 333.8 | 333.6 | 333.6 | 333.4 |
| 162.5° | 339.7 | 339.1 | 339.1 | 339.1 | 339.0 | 338.9 | 338.9 | 338.8 | 338.8 | 338.8 | 338.7 |
| 165° | 346.0 | 345.5 | 345.5 | 345.5 | 345.5 | 345.5 | 345.6 | 345.7 | 345.7 | 345.8 | 345.9 |
| 167.5° | 351.3 | 350.9 | 350.9 | 350.9 | 350.9 | 350.9 | 351.0 | 351.2 | 351.5 | 351.6 | 351.8 |
| 170° | 354.2 | 353.8 | 353.9 | 353.9 | 354.0 | 354.0 | 354.2 | 354.4 | 354.6 | 354.8 | 355.0 |
| 172.5° | 356.5 | 355.9 | 356.0 | 356.1 | 356.2 | 356.2 | 356.4 | 356.5 | 356.8 | 357.0 | 357.1 |
| 175° | 358.8 | 358.3 | 358.4 | 358.6 | 358.8 | 358.9 | 359.0 | 359.2 | 359.5 | 359.6 | 359.9 |
| 177.5° | 360.1 | 359.7 | 359.8 | 360.0 | 360.1 | 360.2 | 360.3 | 360.5 | 360.6 | 360.8 | 360.9 |
| 180° | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 |



TEST NUMBER: P331616-935

CATALOG NUMBER: SA2XXRDIP-C290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 |
| 2.5° | 566.2 | 566.6 | 569.7 | 571.2 | 573.9 | 575.1 | 576.4 | 576.0 | 576.0 | 576.6 | 581.0 |
| 5° | 567.4 | 571.3 | 577.1 | 582.8 | 588.3 | 593.0 | 596.2 | 599.3 | 600.5 | 606.1 | 611.1 |
| 7.5° | 565.3 | 572.6 | 582.2 | 590.9 | 601.2 | 609.3 | 616.0 | 622.2 | 626.3 | 634.6 | 643.0 |
| 10° | 562.7 | 572.8 | 583.8 | 595.0 | 609.2 | 620.0 | 630.9 | 639.4 | 642.0 | 654.4 | 661.4 |
| 12.5° | 557.3 | 570.9 | 584.9 | 599.3 | 613.3 | 628.1 | 640.2 | 648.6 | 658.2 | 669.3 | 682.3 |
| 15° | 549.4 | 565.0 | 583.2 | 601.8 | 621.7 | 639.7 | 652.6 | 667.3 | 677.9 | 690.0 | 701.4 |
| 17.5° | 538.0 | 558.1 | 581.2 | 602.7 | 625.8 | 645.1 | 662.9 | 676.9 | 684.3 | 691.3 | 692.9 |
| 20° | 528.8 | 550.5 | 577.7 | 603.1 | 626.2 | 648.5 | 666.2 | 677.9 | 679.8 | 680.0 | 669.7 |
| 22.5° | 519.0 | 543.5 | 572.0 | 598.0 | 625.6 | 650.4 | 664.1 | 669.1 | 661.3 | 648.1 | 628.0 |
| 25° | 500.8 | 529.3 | 562.3 | 592.0 | 622.2 | 645.6 | 650.3 | 641.5 | 614.3 | 585.7 | 549.6 |
| 27.5° | 481.2 | 513.2 | 548.5 | 581.6 | 613.7 | 628.3 | 618.1 | 586.3 | 537.4 | 494.8 | 443.2 |
| 30° | 466.8 | 502.7 | 537.4 | 574.4 | 604.2 | 610.4 | 587.1 | 540.4 | 483.3 | 419.1 | 367.6 |
| 32.5° | 450.4 | 487.9 | 526.2 | 564.4 | 589.3 | 583.2 | 544.8 | 487.2 | 420.3 | 357.1 | 308.6 |
| 35° | 427.0 | 465.6 | 507.0 | 545.3 | 561.1 | 534.7 | 477.2 | 402.3 | 333.8 | 275.0 | 241.5 |
| 37.5° | 399.8 | 442.0 | 484.9 | 520.1 | 519.0 | 475.0 | 396.7 | 319.3 | 261.8 | 227.0 | 203.2 |
| 40° | 380.6 | 423.3 | 469.6 | 499.3 | 486.6 | 429.3 | 344.4 | 271.5 | 229.4 | 201.6 | 184.3 |
| 42.5° | 362.1 | 404.9 | 451.0 | 474.6 | 452.5 | 382.0 | 297.5 | 240.3 | 205.6 | 184.0 | 169.9 |
| 45° | 330.7 | 375.9 | 418.5 | 431.6 | 392.1 | 314.5 | 240.6 | 199.1 | 176.0 | 160.0 | 150.2 |
| 47.5° | 300.0 | 344.5 | 383.4 | 383.6 | 330.2 | 255.0 | 202.9 | 172.3 | 152.6 | 140.2 | 133.1 |
| 50° | 281.2 | 323.5 | 356.1 | 351.0 | 290.4 | 226.9 | 181.5 | 155.1 | 138.7 | 129.1 | 121.7 |
| 52.5° | 260.1 | 301.1 | 329.4 | 315.0 | 256.8 | 199.7 | 162.2 | 140.1 | 126.5 | 118.1 | 111.5 |
| 55° | 229.4 | 265.8 | 285.8 | 263.8 | 209.5 | 166.1 | 137.1 | 119.7 | 109.5 | 102.5 | 96.8 |
| 57.5° | 199.2 | 229.3 | 241.8 | 216.3 | 172.5 | 137.7 | 116.0 | 102.9 | 92.8 | 87.7 | 84.8 |
| 60° | 180.3 | 206.0 | 214.7 | 186.6 | 150.0 | 120.5 | 102.7 | 90.6 | 83.1 | 79.8 | 76.9 |
| 62.5° | 161.7 | 182.6 | 186.2 | 160.5 | 130.8 | 105.5 | 90.1 | 79.9 | 75.0 | 71.8 | 69.1 |
| 65° | 134.1 | 149.2 | 147.5 | 126.7 | 103.5 | 83.7 | 72.6 | 66.3 | 62.6 | 58.1 | 53.2 |
| 67.5° | 110.5 | 119.7 | 114.1 | 98.6 | 79.0 | 65.1 | 57.8 | 53.0 | 48.4 | 44.2 | 43.0 |
| 70° | 95.4 | 100.7 | 94.9 | 80.6 | 64.7 | 54.6 | 48.7 | 43.0 | 40.3 | 39.3 | 37.5 |
| 72.5° | 81.0 | 82.9 | 76.5 | 64.3 | 52.7 | 45.2 | 39.4 | 36.3 | 34.8 | 34.0 | 32.9 |
| 75° | 60.8 | 59.5 | 54.0 | 44.4 | 36.6 | 31.5 | 29.7 | 28.6 | 27.6 | 26.8 | 26.2 |
| 77.5° | 42.7 | 40.7 | 35.8 | 29.5 | 25.5 | 23.1 | 22.0 | 21.4 | 20.9 | 20.5 | 19.9 |
| 80° | 32.1 | 30.7 | 25.8 | 21.1 | 19.4 | 18.2 | 17.6 | 16.8 | 16.8 | 16.4 | 15.8 |
| 82.5° | 23.5 | 22.0 | 17.7 | 15.5 | 14.6 | 13.8 | 13.3 | 12.9 | 12.7 | 12.8 | 12.4 |
| 85° | 12.3 | 10.0 | 8.8 | 8.4 | 7.8 | 7.4 | 7.7 | 7.2 | 7.2 | 7.2 | 7.1 |
| 87.5° | 4.0 | 3.4 | 3.4 | 3.4 | 3.8 | 4.0 | 4.2 | 4.5 | 4.9 | 4.7 | 4.9 |
| 90° | 1.1 | 1.9 | 2.8 | 3.5 | 4.7 | 6.2 | 7.7 | 9.1 | 10.7 | 10.5 | 10.4 |
| 92.5° | 6.0 | 6.6 | 7.2 | 7.8 | 8.3 | 8.6 | 9.0 | 9.3 | 9.6 | 9.7 | 9.7 |
| 95° | 16.5 | 17.1 | 17.8 | 18.5 | 18.9 | 19.0 | 19.2 | 19.4 | 19.5 | 19.5 | 19.5 |
| 97.5° | 29.5 | 30.0 | 30.7 | 31.3 | 31.7 | 31.9 | 32.2 | 32.5 | 32.7 | 32.7 | 32.7 |
| 100° | 39.2 | 39.7 | 40.3 | 40.8 | 41.2 | 41.3 | 41.6 | 41.8 | 42.0 | 42.0 | 42.0 |
| 102.5° | 49.2 | 49.7 | 50.1 | 50.5 | 51.0 | 51.1 | 51.4 | 51.7 | 51.9 | 52.0 | 52.1 |
| 105° | 65.6 | 65.8 | 66.0 | 66.2 | 66.4 | 66.6 | 66.6 | 66.8 | 66.9 | 67.1 | 67.2 |
| 107.5° | 82.4 | 82.7 | 83.0 | 83.3 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.5 |
| 110° | 93.2 | 93.6 | 94.0 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |



TEST NUMBER: P331616-935

CATALOG NUMBER: SA2XXRDIP-C290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 104.9 | 105.3 | 105.6 | 106.1 | 106.2 | 106.2 | 106.2 | 106.1 | 106.1 | 105.9 | 105.7 |
| 115° | 122.1 | 122.5 | 122.9 | 123.3 | 123.5 | 123.3 | 123.1 | 123.0 | 122.9 | 122.9 | 122.8 |
| 117.5° | 139.4 | 139.9 | 140.4 | 141.0 | 141.1 | 140.7 | 140.3 | 139.9 | 139.6 | 139.4 | 139.2 |
| 120° | 150.8 | 151.4 | 151.9 | 152.4 | 152.4 | 151.9 | 151.4 | 150.8 | 150.2 | 150.2 | 150.2 |
| 122.5° | 161.4 | 162.0 | 162.6 | 163.3 | 163.5 | 163.1 | 162.7 | 162.3 | 162.0 | 161.8 | 161.6 |
| 125° | 177.6 | 178.2 | 178.8 | 179.4 | 179.7 | 179.4 | 179.3 | 179.1 | 178.8 | 178.7 | 178.5 |
| 127.5° | 193.7 | 194.5 | 195.2 | 196.0 | 196.2 | 196.0 | 195.8 | 195.5 | 195.3 | 195.0 | 194.8 |
| 130° | 203.8 | 204.7 | 205.5 | 206.4 | 206.8 | 206.6 | 206.6 | 206.4 | 206.2 | 206.1 | 206.0 |
| 132.5° | 214.8 | 215.5 | 216.2 | 217.0 | 217.3 | 217.3 | 217.4 | 217.4 | 217.4 | 217.1 | 216.8 |
| 135° | 229.8 | 230.6 | 231.3 | 232.0 | 232.5 | 232.6 | 232.7 | 232.9 | 233.0 | 232.9 | 232.9 |
| 137.5° | 245.4 | 246.0 | 246.7 | 247.3 | 247.6 | 247.8 | 248.0 | 248.1 | 248.3 | 248.3 | 248.2 |
| 140° | 254.9 | 255.5 | 256.1 | 256.8 | 257.2 | 257.5 | 257.9 | 258.2 | 258.6 | 258.6 | 258.6 |
| 142.5° | 264.7 | 265.3 | 265.9 | 266.5 | 266.9 | 267.1 | 267.3 | 267.6 | 267.8 | 267.9 | 267.9 |
| 145° | 278.5 | 279.0 | 279.5 | 279.9 | 280.3 | 280.8 | 281.2 | 281.5 | 282.0 | 282.1 | 282.1 |
| 147.5° | 291.1 | 291.6 | 292.2 | 292.7 | 293.2 | 293.4 | 293.8 | 294.0 | 294.3 | 294.5 | 294.5 |
| 150° | 299.5 | 299.8 | 300.2 | 300.7 | 301.0 | 301.3 | 301.5 | 301.8 | 302.0 | 302.3 | 302.5 |
| 152.5° | 306.9 | 307.4 | 307.8 | 308.2 | 308.6 | 308.8 | 309.2 | 309.5 | 309.9 | 310.1 | 310.4 |
| 155° | 318.1 | 318.3 | 318.5 | 318.7 | 318.9 | 319.1 | 319.3 | 319.5 | 319.7 | 320.0 | 320.4 |
| 157.5° | 327.7 | 327.8 | 328.0 | 328.1 | 328.2 | 328.4 | 328.5 | 328.6 | 328.7 | 329.2 | 329.6 |
| 160° | 333.6 | 333.6 | 333.8 | 333.9 | 334.1 | 334.1 | 334.2 | 334.2 | 334.3 | 334.7 | 335.1 |
| 162.5° | 338.8 | 338.8 | 338.8 | 338.9 | 338.9 | 339.0 | 339.1 | 339.1 | 339.1 | 339.7 | 340.1 |
| 165° | 345.8 | 345.7 | 345.7 | 345.6 | 345.5 | 345.5 | 345.5 | 345.5 | 345.5 | 346.0 | 346.5 |
| 167.5° | 351.6 | 351.5 | 351.2 | 351.0 | 350.9 | 350.9 | 350.9 | 350.9 | 350.9 | 351.3 | 351.8 |
| 170° | 354.8 | 354.6 | 354.4 | 354.2 | 354.0 | 354.0 | 353.9 | 353.9 | 353.8 | 354.2 | 354.7 |
| 172.5° | 357.0 | 356.8 | 356.5 | 356.4 | 356.2 | 356.2 | 356.1 | 356.0 | 355.9 | 356.5 | 356.9 |
| 175° | 359.6 | 359.5 | 359.2 | 359.0 | 358.9 | 358.8 | 358.6 | 358.4 | 358.3 | 358.8 | 359.3 |
| 177.5° | 360.8 | 360.6 | 360.5 | 360.3 | 360.2 | 360.1 | 360.0 | 359.8 | 359.7 | 360.1 | 360.4 |
| 180° | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 |



TEST NUMBER: P331616-935

CATALOG NUMBER: SA2XXRDIP-C290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 |
| 2.5° | 582.6 | 584.6 | 585.6 | 585.6 | 586.7 | 586.2 | 585.7 |
| 5° | 616.0 | 619.7 | 620.6 | 624.1 | 626.6 | 625.9 | 626.2 |
| 7.5° | 649.4 | 655.3 | 661.2 | 663.9 | 664.3 | 665.9 | 666.5 |
| 10° | 669.9 | 674.8 | 683.9 | 682.6 | 689.4 | 693.4 | 686.9 |
| 12.5° | 689.6 | 696.2 | 702.6 | 704.3 | 708.2 | 709.5 | 706.9 |
| 15° | 707.4 | 710.9 | 711.3 | 710.3 | 711.5 | 710.5 | 706.8 |
| 17.5° | 690.8 | 685.0 | 673.5 | 668.0 | 663.7 | 657.2 | 654.6 |
| 20° | 663.2 | 646.4 | 626.8 | 619.0 | 609.8 | 591.9 | 596.2 |
| 22.5° | 603.7 | 584.6 | 565.0 | 542.2 | 531.2 | 514.2 | 513.2 |
| 25° | 511.3 | 478.2 | 441.8 | 416.4 | 401.5 | 384.5 | 377.0 |
| 27.5° | 397.5 | 355.9 | 326.1 | 311.0 | 297.2 | 283.8 | 283.2 |
| 30° | 322.7 | 291.4 | 268.4 | 255.5 | 247.0 | 241.3 | 242.5 |
| 32.5° | 272.0 | 250.6 | 235.0 | 224.3 | 218.1 | 213.8 | 213.7 |
| 35° | 222.4 | 207.7 | 197.7 | 193.2 | 188.7 | 185.6 | 185.8 |
| 37.5° | 190.3 | 181.5 | 175.9 | 171.0 | 168.2 | 166.6 | 165.7 |
| 40° | 173.8 | 166.6 | 162.3 | 159.4 | 157.0 | 154.9 | 154.5 |
| 42.5° | 160.9 | 154.9 | 150.6 | 148.3 | 146.1 | 144.6 | 144.2 |
| 45° | 142.8 | 137.8 | 134.0 | 131.4 | 130.4 | 129.1 | 129.1 |
| 47.5° | 127.0 | 122.2 | 119.2 | 117.5 | 115.9 | 114.9 | 114.9 |
| 50° | 116.4 | 112.6 | 109.9 | 108.9 | 107.5 | 107.0 | 106.8 |
| 52.5° | 106.9 | 104.0 | 102.1 | 101.4 | 100.8 | 100.1 | 100.2 |
| 55° | 93.8 | 92.3 | 91.5 | 90.9 | 90.0 | 88.8 | 89.5 |
| 57.5° | 83.0 | 81.6 | 79.6 | 77.7 | 76.8 | 75.9 | 76.3 |
| 60° | 75.3 | 72.6 | 69.8 | 67.7 | 67.1 | 65.3 | 65.3 |
| 62.5° | 65.6 | 61.7 | 58.4 | 57.2 | 56.6 | 55.8 | 55.6 |
| 65° | 50.5 | 48.9 | 48.1 | 47.4 | 46.9 | 46.9 | 46.6 |
| 67.5° | 41.8 | 41.2 | 40.3 | 40.1 | 39.8 | 39.6 | 39.5 |
| 70° | 36.9 | 36.2 | 35.8 | 35.6 | 35.2 | 35.4 | 34.8 |
| 72.5° | 32.3 | 31.7 | 31.6 | 31.1 | 30.8 | 30.8 | 30.4 |
| 75° | 25.4 | 25.4 | 25.2 | 25.1 | 24.6 | 24.5 | 24.6 |
| 77.5° | 19.5 | 19.6 | 19.3 | 19.2 | 19.2 | 19.2 | 19.0 |
| 80° | 15.7 | 15.8 | 15.7 | 15.4 | 15.2 | 15.4 | 15.2 |
| 82.5° | 12.4 | 12.1 | 12.1 | 12.0 | 12.0 | 11.9 | 11.8 |
| 85° | 7.1 | 7.2 | 7.1 | 6.9 | 6.9 | 6.9 | 7.1 |
| 87.5° | 4.7 | 4.6 | 4.6 | 4.6 | 4.7 | 4.7 | 4.6 |
| 90° | 10.2 | 10.1 | 10.1 | 10.2 | 10.2 | 10.2 | 10.3 |
| 92.5° | 9.7 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 |
| 95° | 19.5 | 19.5 | 19.4 | 19.3 | 19.1 | 19.0 | 18.9 |
| 97.5° | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.6 |
| 100° | 42.0 | 42.0 | 41.9 | 41.8 | 41.8 | 41.8 | 41.7 |
| 102.5° | 52.1 | 52.2 | 52.2 | 52.1 | 52.0 | 52.0 | 51.9 |
| 105° | 67.3 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 107.5° | 83.6 | 83.6 | 83.5 | 83.2 | 82.9 | 82.6 | 82.2 |
| 110° | 94.6 | 94.6 | 94.5 | 94.3 | 94.1 | 93.9 | 93.7 |



TEST NUMBER: P331616-935

CATALOG NUMBER: SA2XXRDIP-C290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 105.6 | 105.4 | 105.2 | 105.1 | 105.0 | 104.8 | 104.6 |
| 115° | 122.7 | 122.6 | 122.5 | 122.3 | 122.1 | 121.9 | 121.7 |
| 117.5° | 139.1 | 138.9 | 138.7 | 138.5 | 138.4 | 138.1 | 137.9 |
| 120° | 150.2 | 150.2 | 150.2 | 150.0 | 149.7 | 149.6 | 149.4 |
| 122.5° | 161.4 | 161.3 | 161.2 | 161.0 | 160.8 | 160.7 | 160.6 |
| 125° | 178.2 | 178.1 | 177.9 | 177.9 | 177.8 | 177.7 | 177.6 |
| 127.5° | 194.6 | 194.3 | 194.1 | 193.9 | 193.6 | 193.5 | 193.2 |
| 130° | 205.9 | 205.7 | 205.5 | 205.3 | 204.9 | 204.7 | 204.4 |
| 132.5° | 216.5 | 216.3 | 216.0 | 215.8 | 215.6 | 215.3 | 215.2 |
| 135° | 232.8 | 232.7 | 232.6 | 232.4 | 232.2 | 232.0 | 231.8 |
| 137.5° | 248.1 | 248.1 | 248.0 | 247.7 | 247.5 | 247.2 | 246.8 |
| 140° | 258.6 | 258.6 | 258.4 | 258.1 | 257.9 | 257.6 | 257.4 |
| 142.5° | 267.9 | 268.0 | 267.9 | 267.7 | 267.3 | 267.1 | 266.8 |
| 145° | 282.1 | 282.2 | 282.1 | 281.9 | 281.6 | 281.4 | 281.0 |
| 147.5° | 294.7 | 294.9 | 294.8 | 294.5 | 294.3 | 294.0 | 293.8 |
| 150° | 302.6 | 302.9 | 302.9 | 302.6 | 302.5 | 302.3 | 302.0 |
| 152.5° | 310.6 | 310.9 | 310.9 | 310.6 | 310.4 | 310.1 | 309.9 |
| 155° | 320.7 | 321.1 | 321.2 | 320.9 | 320.7 | 320.6 | 320.3 |
| 157.5° | 330.1 | 330.5 | 330.6 | 330.3 | 329.9 | 329.7 | 329.3 |
| 160° | 335.5 | 336.0 | 336.0 | 335.7 | 335.4 | 335.2 | 334.9 |
| 162.5° | 340.5 | 341.0 | 341.0 | 340.8 | 340.4 | 340.1 | 339.8 |
| 165° | 347.0 | 347.4 | 347.5 | 347.2 | 346.8 | 346.5 | 346.2 |
| 167.5° | 352.2 | 352.8 | 352.8 | 352.5 | 352.1 | 351.7 | 351.4 |
| 170° | 355.2 | 355.7 | 355.7 | 355.3 | 354.9 | 354.5 | 354.0 |
| 172.5° | 357.4 | 357.8 | 357.9 | 357.5 | 357.1 | 356.7 | 356.3 |
| 175° | 359.7 | 360.2 | 360.2 | 359.9 | 359.5 | 359.0 | 358.6 |
| 177.5° | 360.7 | 361.0 | 361.0 | 360.7 | 360.4 | 360.1 | 359.7 |
| 180° | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 |

(END OF REPORT)