

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: P331615-930

Luminaire Tested: **SA2XXRDIP-C290D330U930-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331615-930
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-C290D330U930-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 290 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 330 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1989.6 lumens
Efficiency: N/A
Efficacy: 98.0 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

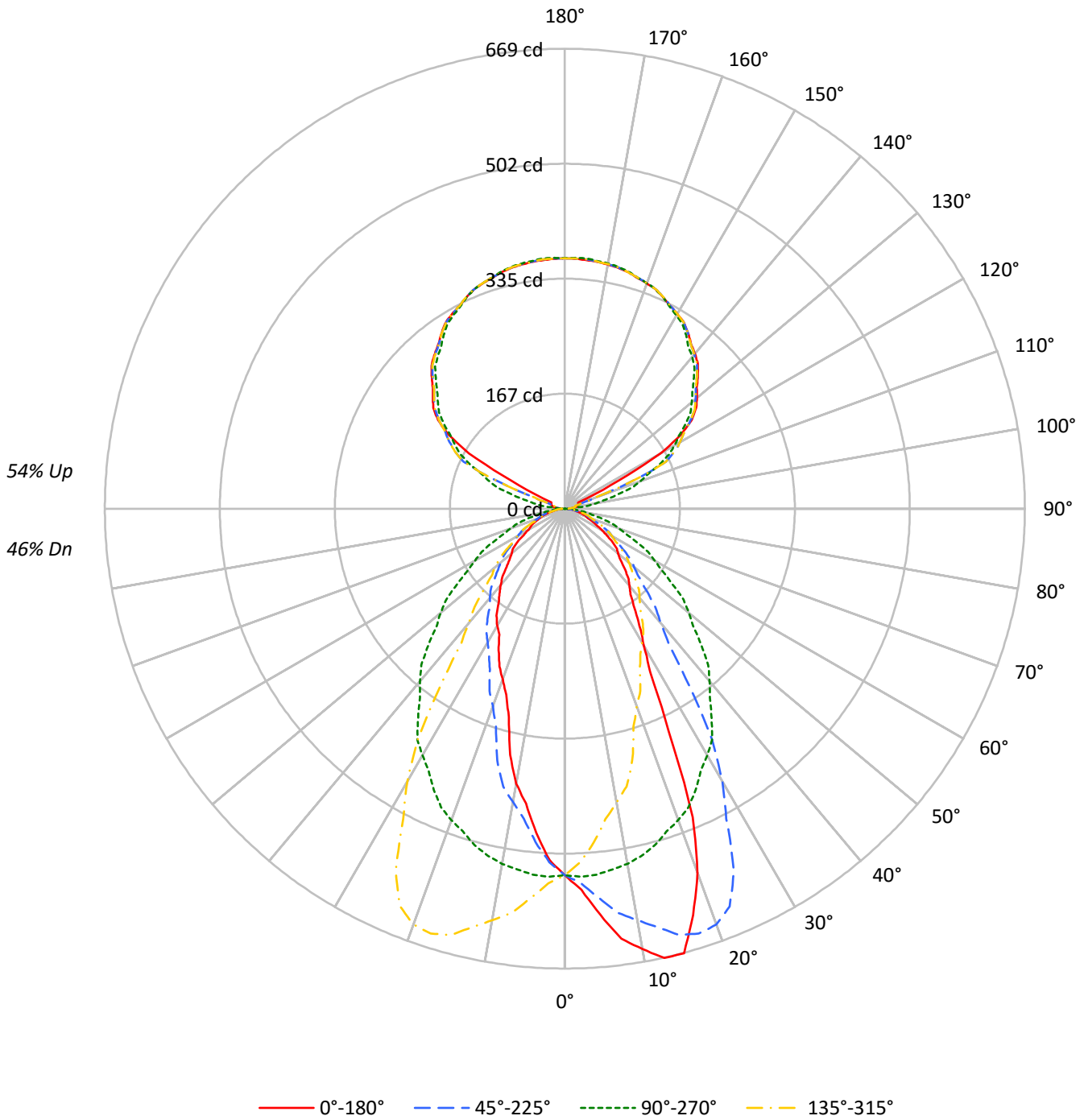
Input Watts (W): 20.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331615-930

CATALOG NUMBER: SA2XXRDIP-C290D330U930-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P331615-930

CATALOG NUMBER: SA2XXRDIP-C290D330U930-4F0-1E-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 | 106 | 106 | 106 | 106 | 98 | 98 | 98 | 98 | 81 | 81 | 81 | 66 | 66 | 66 | 53 | 53 | 53 | 46 |
| 1 | 98 | 94 | 90 | 87 | 90 | 86 | 83 | 80 | 72 | 70 | 68 | 59 | 58 | 57 | 48 | 47 | 46 | 40 |
| 2 | 90 | 83 | 77 | 72 | 82 | 76 | 71 | 67 | 64 | 61 | 58 | 53 | 51 | 49 | 43 | 41 | 40 | 35 |
| 3 | 82 | 73 | 66 | 61 | 75 | 68 | 62 | 57 | 57 | 53 | 49 | 48 | 45 | 42 | 39 | 37 | 35 | 31 |
| 4 | 76 | 65 | 58 | 52 | 69 | 61 | 54 | 49 | 52 | 47 | 43 | 43 | 40 | 37 | 35 | 33 | 31 | 27 |
| 5 | 70 | 59 | 51 | 45 | 64 | 55 | 48 | 43 | 47 | 41 | 37 | 39 | 35 | 32 | 32 | 29 | 27 | 24 |
| 6 | 64 | 53 | 45 | 40 | 59 | 49 | 43 | 38 | 42 | 37 | 33 | 36 | 32 | 29 | 29 | 27 | 25 | 22 |
| 7 | 60 | 48 | 41 | 35 | 55 | 45 | 38 | 33 | 39 | 33 | 30 | 33 | 29 | 26 | 27 | 24 | 22 | 20 |
| 8 | 56 | 44 | 37 | 32 | 51 | 41 | 34 | 30 | 35 | 30 | 27 | 30 | 26 | 23 | 25 | 22 | 20 | 18 |
| 9 | 52 | 40 | 33 | 28 | 48 | 38 | 31 | 27 | 33 | 28 | 24 | 28 | 24 | 21 | 23 | 21 | 18 | 16 |
| 10 | 49 | 37 | 30 | 26 | 45 | 35 | 29 | 24 | 30 | 25 | 22 | 26 | 22 | 19 | 22 | 19 | 17 | 15 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|------|------|------|
| 0° | 8606 | 8606 | 8606 | 8606 |
| 5° | 9611 | 8660 | 7679 | 8660 |
| 10° | 10663 | 8599 | 6655 | 8599 |
| 15° | 11188 | 8473 | 5244 | 8473 |
| 20° | 9699 | 8285 | 4538 | 8285 |
| 25° | 6360 | 8031 | 4051 | 8031 |
| 30° | 4282 | 7720 | 3667 | 7720 |
| 35° | 3467 | 7330 | 3307 | 7330 |
| 40° | 3084 | 6905 | 3060 | 6905 |
| 45° | 2790 | 6405 | 2731 | 6405 |
| 50° | 2539 | 5913 | 2532 | 5913 |
| 55° | 2387 | 5362 | 2356 | 5362 |
| 60° | 1999 | 4863 | 1973 | 4863 |
| 65° | 1685 | 4413 | 1910 | 4413 |
| 70° | 1553 | 3942 | 1803 | 3942 |
| 75° | 1454 | 3431 | 1666 | 3431 |
| 80° | 1339 | 2827 | 1478 | 2827 |
| 85° | 1241 | 2242 | 1297 | 2242 |



TEST NUMBER: P331615-930

CATALOG NUMBER: SA2XXRDIP-C290D330U930-4F0-1E-UDD-A

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 50.5 | 2.5 |
| 10°-20° | 140.8 | 7.1 |
| 20°-30° | 181.4 | 9.1 |
| 30°-40° | 172.4 | 8.7 |
| 40°-50° | 147.7 | 7.4 |
| 50°-60° | 112.5 | 5.7 |
| 60°-70° | 71.1 | 3.6 |
| 70°-80° | 35.5 | 1.8 |
| 80°-90° | 10.1 | 0.5 |
| 90°-100° | 12.1 | 0.6 |
| 100°-110° | 44.6 | 2.2 |
| 110°-120° | 119.1 | 6.0 |
| 120°-130° | 196.6 | 9.9 |
| 130°-140° | 209.1 | 10.5 |
| 140°-150° | 194.4 | 9.8 |
| 150°-160° | 156.3 | 7.9 |
| 160°-170° | 100.7 | 5.1 |
| 170°-180° | 34.7 | 1.7 |
| 0°-30° | 372.7 | 18.7 |
| 0°-40° | 545.1 | 27.4 |
| 0°-60° | 805.3 | 40.5 |
| 0°-90° | 922.0 | 46.3 |
| 90°-120° | 175.8 | 8.8 |
| 90°-150° | 776.0 | 39.0 |
| 90°-180° | 1068.0 | 53.7 |
| 0°-180° | 1989.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0° | 533 | 533 | 533 | 533 | 533 | |
| 5° | 593 | 534 | 474 | 534 | 593 | 59 |
| 15° | 669 | 507 | 314 | 507 | 669 | 181 |
| 25° | 357 | 451 | 227 | 451 | 357 | 169 |
| 35° | 176 | 372 | 168 | 372 | 176 | 113 |
| 45° | 122 | 280 | 120 | 280 | 122 | 95 |
| 55° | 85 | 190 | 84 | 190 | 85 | 74 |
| 65° | 44 | 116 | 50 | 116 | 44 | 45 |
| 75° | 23 | 55 | 27 | 55 | 23 | 25 |
| 85° | 7 | 12 | 7 | 12 | 7 | 7 |
| 90° | 7 | 0 | 7 | 0 | 7 | 3 |
| 95° | 11 | 17 | 11 | 17 | 11 | 11 |
| 105° | 20 | 80 | 20 | 80 | 20 | 21 |
| 115° | 22 | 152 | 22 | 152 | 22 | 54 |
| 125° | 225 | 214 | 225 | 214 | 225 | 195 |
| 135° | 274 | 265 | 274 | 265 | 274 | 211 |
| 145° | 312 | 308 | 312 | 308 | 312 | 195 |
| 155° | 339 | 339 | 339 | 339 | 339 | 156 |
| 165° | 356 | 357 | 356 | 357 | 356 | 101 |
| 175° | 363 | 365 | 363 | 365 | 363 | 35 |
| 180° | 364 | 364 | 364 | 364 | 364 | |



TEST NUMBER: P331615-930

CATALOG NUMBER: SA2XXRDIP-C290D330U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 |
| 2.5° | 554.6 | 555.1 | 555.5 | 554.5 | 554.5 | 553.6 | 551.6 | 550.2 | 546.0 | 545.4 | 545.4 |
| 5° | 593.0 | 592.6 | 593.4 | 590.9 | 587.7 | 586.9 | 583.3 | 578.7 | 573.9 | 568.6 | 567.4 |
| 7.5° | 631.1 | 630.6 | 629.1 | 628.7 | 626.1 | 620.5 | 614.9 | 608.9 | 600.9 | 593.0 | 589.1 |
| 10° | 650.4 | 656.6 | 652.8 | 646.4 | 647.6 | 639.0 | 634.3 | 626.3 | 619.6 | 608.0 | 605.4 |
| 12.5° | 669.4 | 671.8 | 670.6 | 666.9 | 665.3 | 659.3 | 653.0 | 646.0 | 633.7 | 623.3 | 614.2 |
| 15° | 669.3 | 672.8 | 673.8 | 672.6 | 673.5 | 673.2 | 669.8 | 664.1 | 653.4 | 641.9 | 631.9 |
| 17.5° | 619.9 | 622.3 | 628.4 | 632.5 | 637.7 | 648.7 | 654.1 | 656.2 | 654.6 | 648.0 | 641.0 |
| 20° | 564.5 | 560.4 | 577.5 | 586.1 | 593.5 | 612.0 | 628.0 | 634.1 | 643.9 | 643.8 | 641.9 |
| 22.5° | 485.9 | 486.9 | 503.0 | 513.4 | 535.0 | 553.6 | 571.7 | 594.7 | 613.7 | 626.2 | 633.6 |
| 25° | 357.0 | 364.1 | 380.2 | 394.3 | 418.3 | 452.8 | 484.1 | 520.4 | 554.6 | 581.7 | 607.5 |
| 27.5° | 268.2 | 268.7 | 281.4 | 294.5 | 308.8 | 337.0 | 376.4 | 419.7 | 468.6 | 508.9 | 555.2 |
| 30° | 229.7 | 228.5 | 233.9 | 241.9 | 254.1 | 276.0 | 305.6 | 348.1 | 396.9 | 457.6 | 511.7 |
| 32.5° | 202.4 | 202.4 | 206.5 | 212.4 | 222.5 | 237.3 | 257.6 | 292.2 | 338.2 | 397.9 | 461.3 |
| 35° | 175.9 | 175.8 | 178.7 | 183.0 | 187.2 | 196.7 | 210.6 | 228.7 | 260.4 | 316.1 | 380.9 |
| 37.5° | 156.9 | 157.8 | 159.2 | 161.9 | 166.6 | 171.9 | 180.2 | 192.4 | 214.9 | 247.9 | 302.4 |
| 40° | 146.3 | 146.7 | 148.7 | 150.9 | 153.7 | 157.8 | 164.6 | 174.5 | 190.9 | 217.2 | 257.1 |
| 42.5° | 136.6 | 136.9 | 138.4 | 140.4 | 142.6 | 146.7 | 152.4 | 160.9 | 174.2 | 194.7 | 227.6 |
| 45° | 122.2 | 122.2 | 123.5 | 124.4 | 126.9 | 130.5 | 135.2 | 142.3 | 151.5 | 166.6 | 188.5 |
| 47.5° | 108.8 | 108.8 | 109.7 | 111.3 | 112.8 | 115.7 | 120.3 | 126.0 | 132.7 | 144.5 | 163.1 |
| 50° | 101.1 | 101.3 | 101.8 | 103.1 | 104.1 | 106.6 | 110.2 | 115.2 | 122.2 | 131.3 | 146.8 |
| 52.5° | 94.9 | 94.8 | 95.5 | 96.0 | 96.7 | 98.5 | 101.2 | 105.6 | 111.9 | 119.8 | 132.6 |
| 55° | 84.8 | 84.1 | 85.2 | 86.1 | 86.7 | 87.4 | 88.9 | 91.6 | 97.0 | 103.7 | 113.3 |
| 57.5° | 72.2 | 71.9 | 72.7 | 73.5 | 75.3 | 77.3 | 78.6 | 80.3 | 83.1 | 87.9 | 97.4 |
| 60° | 61.9 | 61.9 | 63.5 | 64.1 | 66.1 | 68.7 | 71.3 | 72.8 | 75.6 | 78.7 | 85.8 |
| 62.5° | 52.7 | 52.8 | 53.6 | 54.1 | 55.3 | 58.5 | 62.1 | 65.4 | 68.0 | 71.0 | 75.7 |
| 65° | 44.1 | 44.4 | 44.4 | 44.8 | 45.6 | 46.3 | 47.8 | 50.4 | 55.0 | 59.3 | 62.8 |
| 67.5° | 37.4 | 37.5 | 37.7 | 38.0 | 38.2 | 39.0 | 39.6 | 40.8 | 41.8 | 45.8 | 50.2 |
| 70° | 32.9 | 33.5 | 33.3 | 33.7 | 33.9 | 34.2 | 35.0 | 35.5 | 37.3 | 38.2 | 40.8 |
| 72.5° | 28.8 | 29.2 | 29.2 | 29.4 | 29.9 | 30.0 | 30.6 | 31.1 | 32.2 | 32.9 | 34.4 |
| 75° | 23.3 | 23.2 | 23.3 | 23.7 | 23.9 | 24.1 | 24.1 | 24.8 | 25.4 | 26.1 | 27.1 |
| 77.5° | 18.0 | 18.2 | 18.2 | 18.2 | 18.3 | 18.6 | 18.5 | 18.8 | 19.4 | 19.8 | 20.2 |
| 80° | 14.4 | 14.6 | 14.4 | 14.6 | 14.8 | 15.0 | 14.8 | 15.0 | 15.6 | 15.9 | 15.9 |
| 82.5° | 11.2 | 11.3 | 11.3 | 11.3 | 11.4 | 11.4 | 11.7 | 11.7 | 12.1 | 12.1 | 12.2 |
| 85° | 6.7 | 6.5 | 6.5 | 6.5 | 6.7 | 6.8 | 6.7 | 6.7 | 6.8 | 6.8 | 6.8 |
| 87.5° | 3.8 | 3.9 | 3.9 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.7 | 3.8 | 3.5 |
| 90° | 7.1 | 7.0 | 6.8 | 6.8 | 6.7 | 6.4 | 6.1 | 5.9 | 5.5 | 5.3 | 4.8 |
| 92.5° | 7.1 | 7.0 | 7.0 | 6.9 | 6.8 | 6.7 | 6.6 | 6.4 | 6.3 | 6.1 | 5.9 |
| 95° | 11.3 | 11.4 | 11.4 | 11.5 | 11.6 | 11.4 | 11.2 | 10.8 | 10.6 | 10.3 | 9.9 |
| 97.5° | 15.2 | 15.1 | 15.0 | 14.9 | 14.8 | 14.7 | 14.4 | 14.3 | 14.0 | 13.8 | 12.8 |
| 100° | 17.7 | 17.5 | 17.4 | 17.3 | 17.2 | 16.9 | 16.5 | 16.0 | 15.5 | 15.0 | 14.0 |
| 102.5° | 18.9 | 18.8 | 18.6 | 18.4 | 18.3 | 17.9 | 17.3 | 16.6 | 16.1 | 15.4 | 23.8 |
| 105° | 20.1 | 19.8 | 19.6 | 19.3 | 19.1 | 18.7 | 18.0 | 17.4 | 16.7 | 16.1 | 32.0 |
| 107.5° | 20.6 | 20.4 | 20.1 | 19.9 | 19.6 | 19.9 | 20.5 | 21.2 | 21.9 | 22.5 | 41.7 |
| 110° | 20.8 | 20.6 | 20.4 | 20.1 | 19.9 | 22.7 | 28.5 | 34.4 | 40.3 | 46.1 | 63.0 |



TEST NUMBER: P331615-930

CATALOG NUMBER: SA2XXRDIP-C290D330U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 21.0 | 20.9 | 20.6 | 20.5 | 20.3 | 30.9 | 52.3 | 73.6 | 95.0 | 116.3 | 120.5 |
| 115° | 21.6 | 25.8 | 30.1 | 34.2 | 38.5 | 54.1 | 81.3 | 108.4 | 135.5 | 162.7 | 161.2 |
| 117.5° | 88.3 | 102.2 | 116.0 | 129.9 | 143.7 | 153.9 | 160.5 | 167.1 | 173.6 | 180.2 | 179.1 |
| 120° | 160.8 | 168.7 | 176.6 | 184.5 | 192.4 | 196.0 | 195.3 | 194.6 | 194.0 | 193.2 | 192.2 |
| 122.5° | 200.6 | 202.2 | 203.7 | 205.3 | 206.8 | 207.3 | 206.9 | 206.5 | 206.1 | 205.7 | 204.6 |
| 125° | 225.3 | 225.2 | 225.0 | 224.9 | 224.7 | 224.4 | 224.0 | 223.6 | 223.1 | 222.7 | 221.6 |
| 127.5° | 241.0 | 240.9 | 240.9 | 240.9 | 240.8 | 240.5 | 239.9 | 239.4 | 238.7 | 238.1 | 237.3 |
| 130° | 250.7 | 250.8 | 250.8 | 250.9 | 250.9 | 250.6 | 250.0 | 249.3 | 248.7 | 248.1 | 247.4 |
| 132.5° | 260.2 | 260.2 | 260.3 | 260.3 | 260.4 | 260.2 | 259.6 | 259.1 | 258.5 | 258.0 | 257.3 |
| 135° | 273.9 | 274.0 | 274.1 | 274.3 | 274.3 | 274.1 | 273.5 | 273.0 | 272.4 | 271.8 | 271.3 |
| 137.5° | 286.4 | 286.6 | 286.8 | 287.0 | 287.1 | 287.0 | 286.4 | 285.8 | 285.3 | 284.7 | 284.1 |
| 140° | 294.2 | 294.5 | 294.8 | 295.1 | 295.4 | 295.2 | 294.7 | 294.2 | 293.7 | 293.1 | 292.5 |
| 142.5° | 301.7 | 302.1 | 302.4 | 302.6 | 303.0 | 302.9 | 302.4 | 301.9 | 301.4 | 300.9 | 300.2 |
| 145° | 312.3 | 312.7 | 313.0 | 313.2 | 313.6 | 313.5 | 313.1 | 312.7 | 312.3 | 311.9 | 310.9 |
| 147.5° | 321.7 | 322.0 | 322.2 | 322.5 | 322.7 | 322.7 | 322.4 | 322.0 | 321.7 | 321.5 | 320.5 |
| 150° | 327.4 | 327.7 | 328.0 | 328.3 | 328.6 | 328.6 | 328.2 | 327.8 | 327.5 | 327.2 | 326.2 |
| 152.5° | 332.2 | 332.6 | 333.0 | 333.4 | 333.8 | 333.8 | 333.5 | 333.1 | 332.7 | 332.4 | 331.5 |
| 155° | 339.0 | 339.5 | 340.0 | 340.4 | 340.9 | 341.0 | 340.6 | 340.2 | 339.9 | 339.5 | 338.8 |
| 157.5° | 345.2 | 345.6 | 346.1 | 346.5 | 347.0 | 347.0 | 346.7 | 346.3 | 345.8 | 345.4 | 345.0 |
| 160° | 348.8 | 349.2 | 349.6 | 350.0 | 350.4 | 350.4 | 350.1 | 349.8 | 349.4 | 349.0 | 348.7 |
| 162.5° | 351.7 | 352.2 | 352.7 | 353.2 | 353.8 | 353.8 | 353.4 | 352.9 | 352.6 | 352.2 | 351.9 |
| 165° | 356.1 | 356.5 | 356.9 | 357.3 | 357.8 | 357.8 | 357.3 | 356.9 | 356.5 | 356.1 | 356.0 |
| 167.5° | 358.9 | 359.5 | 360.0 | 360.5 | 361.0 | 361.1 | 360.7 | 360.3 | 359.9 | 359.5 | 359.3 |
| 170° | 360.6 | 361.2 | 361.7 | 362.2 | 362.7 | 362.8 | 362.4 | 362.0 | 361.6 | 361.2 | 361.0 |
| 172.5° | 361.9 | 362.4 | 363.0 | 363.5 | 364.0 | 364.0 | 363.6 | 363.2 | 362.8 | 362.4 | 362.3 |
| 175° | 363.0 | 363.5 | 364.2 | 364.8 | 365.3 | 365.4 | 365.0 | 364.6 | 364.2 | 363.8 | 363.7 |
| 177.5° | 363.7 | 364.1 | 364.5 | 364.9 | 365.3 | 365.4 | 365.1 | 364.8 | 364.4 | 364.1 | 364.0 |
| 180° | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 |



TEST NUMBER: P331615-930

CATALOG NUMBER: SA2XXRDIP-C290D330U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 |
| 2.5° | 545.8 | 544.5 | 543.5 | 540.9 | 539.5 | 536.5 | 536.1 | 536.0 | 532.1 | 528.4 | 527.3 |
| 5° | 564.5 | 561.5 | 557.1 | 551.9 | 546.5 | 541.0 | 537.3 | 534.3 | 526.8 | 519.8 | 515.8 |
| 7.5° | 583.3 | 577.0 | 569.3 | 559.5 | 551.3 | 542.2 | 535.3 | 529.2 | 518.7 | 508.6 | 501.8 |
| 10° | 597.5 | 587.1 | 576.9 | 563.4 | 552.8 | 542.4 | 532.8 | 524.5 | 512.7 | 499.3 | 489.8 |
| 12.5° | 606.2 | 594.8 | 580.7 | 567.5 | 553.8 | 540.6 | 527.7 | 517.1 | 503.1 | 489.3 | 478.2 |
| 15° | 618.0 | 605.8 | 588.7 | 569.8 | 552.3 | 535.0 | 520.2 | 506.9 | 488.8 | 472.2 | 458.5 |
| 17.5° | 627.7 | 610.8 | 592.6 | 570.7 | 550.3 | 528.5 | 509.4 | 492.4 | 472.1 | 452.2 | 436.1 |
| 20° | 630.8 | 614.1 | 593.0 | 571.1 | 547.1 | 521.3 | 500.8 | 482.2 | 460.6 | 438.9 | 420.4 |
| 22.5° | 628.8 | 615.9 | 592.4 | 566.2 | 541.6 | 514.7 | 491.5 | 469.9 | 445.9 | 423.8 | 402.4 |
| 25° | 615.8 | 611.3 | 589.1 | 560.6 | 532.5 | 501.2 | 474.3 | 450.8 | 423.4 | 399.7 | 376.3 |
| 27.5° | 585.3 | 594.9 | 581.1 | 550.7 | 519.4 | 485.9 | 455.7 | 428.9 | 400.5 | 373.8 | 350.6 |
| 30° | 556.0 | 578.0 | 572.1 | 543.9 | 508.9 | 476.0 | 442.1 | 414.1 | 383.8 | 356.3 | 333.4 |
| 32.5° | 515.8 | 552.2 | 558.0 | 534.4 | 498.2 | 462.0 | 426.5 | 398.7 | 367.0 | 338.1 | 315.7 |
| 35° | 451.8 | 506.3 | 531.3 | 516.3 | 480.0 | 440.9 | 404.3 | 371.9 | 340.0 | 311.5 | 289.3 |
| 37.5° | 375.6 | 449.8 | 491.5 | 492.5 | 459.2 | 418.6 | 378.6 | 346.4 | 313.8 | 285.8 | 261.8 |
| 40° | 326.1 | 406.5 | 460.8 | 472.8 | 444.7 | 400.8 | 360.4 | 327.6 | 295.8 | 268.3 | 240.8 |
| 42.5° | 281.7 | 361.7 | 428.4 | 449.4 | 427.1 | 383.4 | 342.9 | 308.7 | 277.7 | 251.8 | 223.6 |
| 45° | 227.8 | 297.8 | 371.3 | 408.7 | 396.3 | 356.0 | 313.2 | 280.5 | 251.5 | 229.1 | 202.0 |
| 47.5° | 192.2 | 241.5 | 312.7 | 363.2 | 363.1 | 326.2 | 284.1 | 252.9 | 225.9 | 204.9 | 183.0 |
| 50° | 171.9 | 214.8 | 275.0 | 332.4 | 337.2 | 306.3 | 266.3 | 235.4 | 210.2 | 188.2 | 170.6 |
| 52.5° | 153.6 | 189.1 | 243.1 | 298.2 | 311.9 | 285.1 | 246.3 | 217.8 | 193.3 | 173.0 | 158.0 |
| 55° | 129.8 | 157.3 | 198.4 | 249.8 | 270.6 | 251.7 | 217.2 | 190.5 | 170.7 | 153.7 | 140.7 |
| 57.5° | 109.8 | 130.4 | 163.4 | 204.8 | 228.9 | 217.1 | 188.7 | 167.0 | 150.0 | 134.6 | 124.4 |
| 60° | 97.3 | 114.1 | 142.0 | 176.7 | 203.3 | 195.0 | 170.7 | 150.6 | 136.2 | 122.8 | 113.2 |
| 62.5° | 85.4 | 99.9 | 123.8 | 152.0 | 176.3 | 172.9 | 153.1 | 136.2 | 123.5 | 111.4 | 103.2 |
| 65° | 68.7 | 79.2 | 98.0 | 120.0 | 139.7 | 141.3 | 127.0 | 115.5 | 104.3 | 94.7 | 87.4 |
| 67.5° | 54.7 | 61.6 | 74.8 | 93.4 | 108.0 | 113.3 | 104.6 | 95.8 | 86.8 | 79.4 | 73.1 |
| 70° | 46.1 | 51.7 | 61.3 | 76.3 | 89.8 | 95.4 | 90.3 | 83.5 | 75.7 | 69.6 | 64.2 |
| 72.5° | 37.3 | 42.8 | 49.9 | 60.9 | 72.5 | 78.5 | 76.7 | 71.8 | 65.6 | 60.4 | 55.4 |
| 75° | 28.1 | 29.8 | 34.7 | 42.1 | 51.1 | 56.3 | 57.6 | 55.0 | 50.0 | 46.1 | 43.1 |
| 77.5° | 20.8 | 21.9 | 24.1 | 28.0 | 33.9 | 38.6 | 40.4 | 40.1 | 36.7 | 34.5 | 31.6 |
| 80° | 16.6 | 17.2 | 18.3 | 20.0 | 24.5 | 29.1 | 30.4 | 30.4 | 28.0 | 27.1 | 24.3 |
| 82.5° | 12.6 | 13.0 | 13.8 | 14.7 | 16.7 | 20.8 | 22.3 | 22.5 | 21.0 | 19.8 | 17.6 |
| 85° | 7.3 | 7.0 | 7.4 | 8.0 | 8.3 | 9.5 | 11.7 | 12.1 | 11.7 | 10.2 | 9.6 |
| 87.5° | 3.4 | 3.4 | 3.3 | 3.1 | 3.1 | 3.1 | 3.8 | 4.3 | 3.9 | 3.6 | 3.4 |
| 90° | 4.3 | 3.8 | 3.4 | 2.9 | 2.2 | 1.5 | 0.9 | 0.2 | 0.9 | 1.5 | 2.2 |
| 92.5° | 5.6 | 5.4 | 5.2 | 5.1 | 5.1 | 5.2 | 5.3 | 5.3 | 5.3 | 5.2 | 5.1 |
| 95° | 9.5 | 9.0 | 8.6 | 9.4 | 11.3 | 13.3 | 15.2 | 17.1 | 15.2 | 13.3 | 11.3 |
| 97.5° | 11.8 | 10.9 | 9.9 | 12.2 | 17.7 | 23.1 | 28.5 | 34.0 | 28.5 | 23.1 | 17.7 |
| 100° | 13.0 | 12.1 | 11.0 | 14.6 | 22.6 | 30.6 | 38.6 | 46.6 | 38.6 | 30.6 | 22.6 |
| 102.5° | 32.1 | 40.4 | 48.8 | 53.8 | 55.5 | 57.2 | 58.9 | 60.6 | 58.9 | 57.2 | 55.5 |
| 105° | 48.1 | 64.1 | 80.1 | 87.2 | 85.4 | 83.6 | 81.9 | 80.1 | 81.9 | 83.6 | 85.4 |
| 107.5° | 60.9 | 80.1 | 99.2 | 108.1 | 106.7 | 105.3 | 103.9 | 102.4 | 103.9 | 105.3 | 106.7 |
| 110° | 80.0 | 96.9 | 113.8 | 121.7 | 120.5 | 119.3 | 118.0 | 116.8 | 118.0 | 119.3 | 120.5 |



TEST NUMBER: P331615-930

CATALOG NUMBER: SA2XXRDIP-C290D330U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 124.7 | 128.9 | 133.1 | 134.6 | 133.5 | 132.5 | 131.3 | 130.3 | 131.3 | 132.5 | 133.5 |
| 115° | 159.7 | 158.2 | 156.8 | 155.6 | 154.6 | 153.6 | 152.5 | 151.6 | 152.5 | 153.6 | 154.6 |
| 117.5° | 178.1 | 177.2 | 176.1 | 175.0 | 174.0 | 172.8 | 171.7 | 170.6 | 171.7 | 172.8 | 174.0 |
| 120° | 191.1 | 190.0 | 189.0 | 188.0 | 187.2 | 186.3 | 185.4 | 184.5 | 185.4 | 186.3 | 187.2 |
| 122.5° | 203.3 | 202.2 | 201.1 | 200.1 | 199.1 | 198.2 | 197.3 | 196.3 | 197.3 | 198.2 | 199.1 |
| 125° | 220.5 | 219.4 | 218.3 | 217.4 | 216.6 | 215.8 | 215.1 | 214.3 | 215.1 | 215.8 | 216.6 |
| 127.5° | 236.5 | 235.6 | 234.8 | 234.0 | 233.2 | 232.3 | 231.5 | 230.6 | 231.5 | 232.3 | 233.2 |
| 130° | 246.8 | 246.1 | 245.5 | 244.7 | 243.8 | 242.8 | 241.9 | 240.9 | 241.9 | 242.8 | 243.8 |
| 132.5° | 256.7 | 256.0 | 255.4 | 254.7 | 253.9 | 253.1 | 252.3 | 251.5 | 252.3 | 253.1 | 253.9 |
| 135° | 270.8 | 270.2 | 269.7 | 269.0 | 268.0 | 267.1 | 266.1 | 265.2 | 266.1 | 267.1 | 268.0 |
| 137.5° | 283.5 | 282.9 | 282.3 | 281.7 | 281.0 | 280.4 | 279.7 | 279.1 | 279.7 | 280.4 | 281.0 |
| 140° | 291.9 | 291.2 | 290.6 | 290.0 | 289.5 | 289.0 | 288.6 | 288.1 | 288.6 | 289.0 | 289.5 |
| 142.5° | 299.5 | 298.7 | 298.0 | 297.4 | 297.0 | 296.5 | 296.1 | 295.7 | 296.1 | 296.5 | 297.0 |
| 145° | 309.9 | 308.8 | 307.9 | 307.4 | 307.4 | 307.5 | 307.6 | 307.6 | 307.6 | 307.5 | 307.4 |
| 147.5° | 319.5 | 318.5 | 317.5 | 317.2 | 317.3 | 317.6 | 317.8 | 318.0 | 317.8 | 317.6 | 317.3 |
| 150° | 325.3 | 324.3 | 323.4 | 323.1 | 323.5 | 323.9 | 324.3 | 324.7 | 324.3 | 323.9 | 323.5 |
| 152.5° | 330.6 | 329.7 | 328.8 | 328.6 | 329.1 | 329.5 | 330.0 | 330.4 | 330.0 | 329.5 | 329.1 |
| 155° | 338.1 | 337.5 | 336.7 | 336.6 | 337.1 | 337.7 | 338.2 | 338.8 | 338.2 | 337.7 | 337.1 |
| 157.5° | 344.5 | 344.0 | 343.5 | 343.4 | 343.9 | 344.3 | 344.8 | 345.2 | 344.8 | 344.3 | 343.9 |
| 160° | 348.3 | 348.0 | 347.6 | 347.6 | 348.0 | 348.3 | 348.7 | 349.0 | 348.7 | 348.3 | 348.0 |
| 162.5° | 351.6 | 351.2 | 351.0 | 351.0 | 351.3 | 351.7 | 352.0 | 352.4 | 352.0 | 351.7 | 351.3 |
| 165° | 355.8 | 355.6 | 355.5 | 355.6 | 355.9 | 356.2 | 356.6 | 356.9 | 356.6 | 356.2 | 355.9 |
| 167.5° | 359.1 | 359.0 | 358.8 | 358.9 | 359.2 | 359.6 | 360.0 | 360.3 | 360.0 | 359.6 | 359.2 |
| 170° | 360.9 | 360.8 | 360.7 | 360.8 | 361.2 | 361.5 | 361.8 | 362.2 | 361.8 | 361.5 | 361.2 |
| 172.5° | 362.2 | 362.1 | 361.9 | 362.1 | 362.4 | 362.7 | 363.1 | 363.5 | 363.1 | 362.7 | 362.4 |
| 175° | 363.5 | 363.5 | 363.3 | 363.5 | 363.9 | 364.3 | 364.7 | 365.1 | 364.7 | 364.3 | 363.9 |
| 177.5° | 364.0 | 363.9 | 363.9 | 364.0 | 364.4 | 364.7 | 365.0 | 365.3 | 365.0 | 364.7 | 364.4 |
| 180° | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 |



TEST NUMBER: P331615-930

CATALOG NUMBER: SA2XXRDIP-C290D330U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 |
| 2.5° | 525.5 | 524.4 | 522.4 | 519.5 | 517.7 | 514.6 | 512.6 | 513.7 | 514.0 | 513.7 | 513.5 |
| 5° | 511.4 | 507.4 | 502.1 | 496.8 | 492.0 | 486.9 | 483.9 | 482.7 | 480.0 | 478.6 | 477.8 |
| 7.5° | 494.2 | 487.5 | 480.0 | 470.9 | 463.3 | 455.2 | 451.1 | 449.1 | 443.8 | 440.9 | 438.4 |
| 10° | 481.5 | 470.9 | 463.3 | 451.5 | 444.3 | 433.7 | 426.5 | 426.7 | 419.5 | 415.4 | 412.5 |
| 12.5° | 467.4 | 455.8 | 443.2 | 432.5 | 422.5 | 414.0 | 405.3 | 401.8 | 394.1 | 390.2 | 382.2 |
| 15° | 444.1 | 430.6 | 417.3 | 402.8 | 392.6 | 379.4 | 366.9 | 351.5 | 339.1 | 328.3 | 325.4 |
| 17.5° | 418.7 | 401.9 | 388.5 | 371.5 | 354.1 | 332.0 | 317.4 | 308.4 | 301.0 | 295.3 | 291.1 |
| 20° | 401.1 | 384.1 | 369.8 | 344.3 | 320.7 | 305.7 | 295.1 | 288.1 | 280.4 | 274.3 | 270.9 |
| 22.5° | 382.8 | 365.0 | 345.5 | 317.0 | 298.6 | 286.7 | 277.1 | 269.2 | 263.9 | 259.2 | 256.1 |
| 25° | 356.7 | 337.2 | 305.2 | 285.6 | 270.8 | 258.1 | 251.5 | 246.7 | 241.2 | 234.6 | 231.7 |
| 27.5° | 329.1 | 298.2 | 275.2 | 260.6 | 246.5 | 238.3 | 232.3 | 225.1 | 220.1 | 217.2 | 214.1 |
| 30° | 308.5 | 277.6 | 259.7 | 243.7 | 233.7 | 224.6 | 217.6 | 213.5 | 208.7 | 203.7 | 201.7 |
| 32.5° | 285.6 | 260.9 | 243.6 | 230.4 | 220.2 | 212.5 | 206.9 | 200.3 | 196.9 | 193.8 | 189.6 |
| 35° | 257.1 | 238.3 | 222.6 | 211.9 | 202.2 | 195.9 | 189.5 | 185.6 | 179.3 | 176.7 | 175.0 |
| 37.5° | 232.9 | 216.7 | 205.0 | 193.6 | 186.0 | 179.0 | 175.0 | 168.8 | 166.2 | 162.5 | 159.0 |
| 40° | 219.2 | 203.3 | 192.1 | 182.8 | 174.2 | 169.1 | 164.1 | 159.1 | 155.0 | 153.4 | 149.1 |
| 42.5° | 205.4 | 192.4 | 181.1 | 171.0 | 165.3 | 159.7 | 153.4 | 149.8 | 145.5 | 142.8 | 140.2 |
| 45° | 186.1 | 174.6 | 165.0 | 156.7 | 150.3 | 144.6 | 140.6 | 134.4 | 132.1 | 126.7 | 124.4 |
| 47.5° | 169.3 | 158.6 | 149.4 | 141.5 | 135.3 | 131.6 | 125.6 | 120.8 | 117.0 | 113.7 | 110.8 |
| 50° | 157.3 | 148.3 | 139.4 | 132.4 | 126.9 | 121.5 | 115.4 | 113.0 | 107.0 | 105.3 | 103.7 |
| 52.5° | 146.3 | 137.8 | 129.7 | 122.8 | 117.2 | 112.0 | 106.6 | 103.5 | 99.5 | 97.8 | 96.6 |
| 55° | 130.9 | 122.8 | 115.0 | 108.9 | 103.4 | 98.0 | 94.7 | 90.7 | 88.9 | 87.6 | 86.1 |
| 57.5° | 115.5 | 108.2 | 102.2 | 96.0 | 90.4 | 86.2 | 82.3 | 80.0 | 78.1 | 76.4 | 74.6 |
| 60° | 105.7 | 98.7 | 93.4 | 87.6 | 81.9 | 78.4 | 75.4 | 72.6 | 70.4 | 67.8 | 67.0 |
| 62.5° | 95.4 | 89.2 | 84.3 | 78.7 | 73.7 | 70.5 | 67.7 | 65.1 | 62.4 | 58.6 | 57.6 |
| 65° | 81.1 | 76.3 | 71.1 | 66.4 | 62.0 | 58.9 | 54.8 | 51.9 | 50.7 | 50.4 | 50.2 |
| 67.5° | 68.2 | 63.7 | 59.2 | 54.5 | 50.5 | 47.5 | 45.4 | 45.0 | 44.2 | 44.0 | 43.5 |
| 70° | 59.6 | 55.4 | 51.0 | 46.5 | 42.6 | 42.1 | 41.3 | 40.5 | 39.6 | 39.3 | 38.9 |
| 72.5° | 51.9 | 47.5 | 43.0 | 39.5 | 37.8 | 37.2 | 36.4 | 35.6 | 35.1 | 34.7 | 34.5 |
| 75° | 39.8 | 35.7 | 32.8 | 31.5 | 30.6 | 30.0 | 28.9 | 28.4 | 28.0 | 27.4 | 27.2 |
| 77.5° | 28.7 | 26.3 | 25.0 | 24.2 | 23.2 | 22.7 | 22.0 | 21.4 | 21.0 | 21.0 | 20.6 |
| 80° | 21.9 | 20.7 | 19.8 | 18.7 | 18.3 | 17.6 | 17.4 | 16.9 | 17.0 | 16.5 | 16.5 |
| 82.5° | 17.0 | 15.6 | 14.8 | 14.3 | 13.9 | 13.3 | 13.1 | 12.9 | 12.9 | 12.5 | 12.5 |
| 85° | 8.7 | 8.3 | 8.0 | 7.6 | 7.6 | 7.0 | 7.3 | 7.0 | 7.0 | 6.7 | 6.5 |
| 87.5° | 3.3 | 3.3 | 3.2 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 90° | 2.9 | 3.4 | 3.8 | 4.3 | 4.8 | 5.3 | 5.5 | 5.9 | 6.1 | 6.4 | 6.7 |
| 92.5° | 5.1 | 5.2 | 5.4 | 5.6 | 5.9 | 6.1 | 6.3 | 6.4 | 6.6 | 6.7 | 6.8 |
| 95° | 9.4 | 8.6 | 9.0 | 9.5 | 9.9 | 10.3 | 10.6 | 10.8 | 11.2 | 11.4 | 11.6 |
| 97.5° | 12.2 | 9.9 | 10.9 | 11.8 | 12.8 | 13.8 | 14.0 | 14.3 | 14.4 | 14.7 | 14.8 |
| 100° | 14.6 | 11.0 | 12.1 | 13.0 | 14.0 | 15.0 | 15.5 | 16.0 | 16.5 | 16.9 | 17.2 |
| 102.5° | 53.8 | 48.8 | 40.4 | 32.1 | 23.8 | 15.4 | 16.1 | 16.6 | 17.3 | 17.9 | 18.3 |
| 105° | 87.2 | 80.1 | 64.1 | 48.1 | 32.0 | 16.1 | 16.7 | 17.4 | 18.0 | 18.7 | 19.1 |
| 107.5° | 108.1 | 99.2 | 80.1 | 60.9 | 41.7 | 22.5 | 21.9 | 21.2 | 20.5 | 19.9 | 19.6 |
| 110° | 121.7 | 113.8 | 96.9 | 80.0 | 63.0 | 46.1 | 40.3 | 34.4 | 28.5 | 22.7 | 19.9 |



TEST NUMBER: P331615-930

CATALOG NUMBER: SA2XXRDIP-C290D330U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 134.6 | 133.1 | 128.9 | 124.7 | 120.5 | 116.3 | 95.0 | 73.6 | 52.3 | 30.9 | 20.3 |
| 115° | 155.6 | 156.8 | 158.2 | 159.7 | 161.2 | 162.7 | 135.5 | 108.4 | 81.3 | 54.1 | 38.5 |
| 117.5° | 175.0 | 176.1 | 177.2 | 178.1 | 179.1 | 180.2 | 173.6 | 167.1 | 160.5 | 153.9 | 143.7 |
| 120° | 188.0 | 189.0 | 190.0 | 191.1 | 192.2 | 193.2 | 194.0 | 194.6 | 195.3 | 196.0 | 192.4 |
| 122.5° | 200.1 | 201.1 | 202.2 | 203.3 | 204.6 | 205.7 | 206.1 | 206.5 | 206.9 | 207.3 | 206.8 |
| 125° | 217.4 | 218.3 | 219.4 | 220.5 | 221.6 | 222.7 | 223.1 | 223.6 | 224.0 | 224.4 | 224.7 |
| 127.5° | 234.0 | 234.8 | 235.6 | 236.5 | 237.3 | 238.1 | 238.7 | 239.4 | 239.9 | 240.5 | 240.8 |
| 130° | 244.7 | 245.5 | 246.1 | 246.8 | 247.4 | 248.1 | 248.7 | 249.3 | 250.0 | 250.6 | 250.9 |
| 132.5° | 254.7 | 255.4 | 256.0 | 256.7 | 257.3 | 258.0 | 258.5 | 259.1 | 259.6 | 260.2 | 260.4 |
| 135° | 269.0 | 269.7 | 270.2 | 270.8 | 271.3 | 271.8 | 272.4 | 273.0 | 273.5 | 274.1 | 274.3 |
| 137.5° | 281.7 | 282.3 | 282.9 | 283.5 | 284.1 | 284.7 | 285.3 | 285.8 | 286.4 | 287.0 | 287.1 |
| 140° | 290.0 | 290.6 | 291.2 | 291.9 | 292.5 | 293.1 | 293.7 | 294.2 | 294.7 | 295.2 | 295.4 |
| 142.5° | 297.4 | 298.0 | 298.7 | 299.5 | 300.2 | 300.9 | 301.4 | 301.9 | 302.4 | 302.9 | 303.0 |
| 145° | 307.4 | 307.9 | 308.8 | 309.9 | 310.9 | 311.9 | 312.3 | 312.7 | 313.1 | 313.5 | 313.6 |
| 147.5° | 317.2 | 317.5 | 318.5 | 319.5 | 320.5 | 321.5 | 321.7 | 322.0 | 322.4 | 322.7 | 322.7 |
| 150° | 323.1 | 323.4 | 324.3 | 325.3 | 326.2 | 327.2 | 327.5 | 327.8 | 328.2 | 328.6 | 328.6 |
| 152.5° | 328.6 | 328.8 | 329.7 | 330.6 | 331.5 | 332.4 | 332.7 | 333.1 | 333.5 | 333.8 | 333.8 |
| 155° | 336.6 | 336.7 | 337.5 | 338.1 | 338.8 | 339.5 | 339.9 | 340.2 | 340.6 | 341.0 | 340.9 |
| 157.5° | 343.4 | 343.5 | 344.0 | 344.5 | 345.0 | 345.4 | 345.8 | 346.3 | 346.7 | 347.0 | 347.0 |
| 160° | 347.6 | 347.6 | 348.0 | 348.3 | 348.7 | 349.0 | 349.4 | 349.8 | 350.1 | 350.4 | 350.4 |
| 162.5° | 351.0 | 351.0 | 351.2 | 351.6 | 351.9 | 352.2 | 352.6 | 352.9 | 353.4 | 353.8 | 353.8 |
| 165° | 355.6 | 355.5 | 355.6 | 355.8 | 356.0 | 356.1 | 356.5 | 356.9 | 357.3 | 357.8 | 357.8 |
| 167.5° | 358.9 | 358.8 | 359.0 | 359.1 | 359.3 | 359.5 | 359.9 | 360.3 | 360.7 | 361.1 | 361.0 |
| 170° | 360.8 | 360.7 | 360.8 | 360.9 | 361.0 | 361.2 | 361.6 | 362.0 | 362.4 | 362.8 | 362.7 |
| 172.5° | 362.1 | 361.9 | 362.1 | 362.2 | 362.3 | 362.4 | 362.8 | 363.2 | 363.6 | 364.0 | 364.0 |
| 175° | 363.5 | 363.3 | 363.5 | 363.5 | 363.7 | 363.8 | 364.2 | 364.6 | 365.0 | 365.4 | 365.3 |
| 177.5° | 364.0 | 363.9 | 363.9 | 364.0 | 364.0 | 364.1 | 364.4 | 364.8 | 365.1 | 365.4 | 365.3 |
| 180° | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 |



TEST NUMBER: P331615-930

CATALOG NUMBER: SA2XXRDIP-C290D330U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 |
| 2.5° | 511.8 | 512.1 | 511.7 | 511.9 | 511.7 | 512.1 | 511.8 | 513.5 | 513.7 | 514.0 | 513.7 |
| 5° | 476.9 | 474.7 | 474.3 | 473.8 | 474.3 | 474.7 | 476.9 | 477.8 | 478.6 | 480.0 | 482.7 |
| 7.5° | 435.2 | 434.9 | 433.9 | 432.6 | 433.9 | 434.9 | 435.2 | 438.4 | 440.9 | 443.8 | 449.1 |
| 10° | 408.4 | 407.4 | 407.2 | 405.9 | 407.2 | 407.4 | 408.4 | 412.5 | 415.4 | 419.5 | 426.7 |
| 12.5° | 376.9 | 371.0 | 370.4 | 367.1 | 370.4 | 371.0 | 376.9 | 382.2 | 390.2 | 394.1 | 401.8 |
| 15° | 321.0 | 319.8 | 316.1 | 313.7 | 316.1 | 319.8 | 321.0 | 325.4 | 328.3 | 339.1 | 351.5 |
| 17.5° | 288.9 | 285.3 | 284.1 | 283.6 | 284.1 | 285.3 | 288.9 | 291.1 | 295.3 | 301.0 | 308.4 |
| 20° | 268.3 | 265.1 | 264.5 | 264.1 | 264.5 | 265.1 | 268.3 | 270.9 | 274.3 | 280.4 | 288.1 |
| 22.5° | 254.1 | 250.6 | 249.2 | 248.1 | 249.2 | 250.6 | 254.1 | 256.1 | 259.2 | 263.9 | 269.2 |
| 25° | 229.8 | 228.5 | 227.8 | 227.4 | 227.8 | 228.5 | 229.8 | 231.7 | 234.6 | 241.2 | 246.7 |
| 27.5° | 210.8 | 208.0 | 207.4 | 206.4 | 207.4 | 208.0 | 210.8 | 214.1 | 217.2 | 220.1 | 225.1 |
| 30° | 200.0 | 199.1 | 197.8 | 196.7 | 197.8 | 199.1 | 200.0 | 201.7 | 203.7 | 208.7 | 213.5 |
| 32.5° | 187.3 | 186.5 | 185.3 | 184.8 | 185.3 | 186.5 | 187.3 | 189.6 | 193.8 | 196.9 | 200.3 |
| 35° | 173.2 | 170.6 | 169.4 | 167.8 | 169.4 | 170.6 | 173.2 | 175.0 | 176.7 | 179.3 | 185.6 |
| 37.5° | 158.2 | 156.9 | 155.3 | 155.9 | 155.3 | 156.9 | 158.2 | 159.0 | 162.5 | 166.2 | 168.8 |
| 40° | 146.7 | 145.8 | 145.4 | 145.2 | 145.4 | 145.8 | 146.7 | 149.1 | 153.4 | 155.0 | 159.1 |
| 42.5° | 137.5 | 134.9 | 134.0 | 134.0 | 134.0 | 134.9 | 137.5 | 140.2 | 142.8 | 145.5 | 149.8 |
| 45° | 123.5 | 121.2 | 119.4 | 119.6 | 119.4 | 121.2 | 123.5 | 124.4 | 126.7 | 132.1 | 134.4 |
| 47.5° | 109.3 | 109.2 | 108.1 | 108.4 | 108.1 | 109.2 | 109.3 | 110.8 | 113.7 | 117.0 | 120.8 |
| 50° | 102.4 | 101.3 | 100.5 | 100.8 | 100.5 | 101.3 | 102.4 | 103.7 | 105.3 | 107.0 | 113.0 |
| 52.5° | 95.9 | 94.9 | 94.3 | 95.1 | 94.3 | 94.9 | 95.9 | 96.6 | 97.8 | 99.5 | 103.5 |
| 55° | 85.2 | 84.1 | 83.9 | 83.7 | 83.9 | 84.1 | 85.2 | 86.1 | 87.6 | 88.9 | 90.7 |
| 57.5° | 73.2 | 72.5 | 71.3 | 70.9 | 71.3 | 72.5 | 73.2 | 74.6 | 76.4 | 78.1 | 80.0 |
| 60° | 64.7 | 63.2 | 61.3 | 61.1 | 61.3 | 63.2 | 64.7 | 67.0 | 67.8 | 70.4 | 72.6 |
| 62.5° | 56.7 | 56.5 | 56.1 | 56.1 | 56.1 | 56.5 | 56.7 | 57.6 | 58.6 | 62.4 | 65.1 |
| 65° | 49.8 | 49.7 | 49.8 | 50.0 | 49.8 | 49.7 | 49.8 | 50.2 | 50.4 | 50.7 | 51.9 |
| 67.5° | 43.4 | 43.0 | 42.7 | 42.9 | 42.7 | 43.0 | 43.4 | 43.5 | 44.0 | 44.2 | 45.0 |
| 70° | 38.5 | 38.3 | 38.2 | 38.2 | 38.2 | 38.3 | 38.5 | 38.9 | 39.3 | 39.6 | 40.5 |
| 72.5° | 33.8 | 33.8 | 33.6 | 33.4 | 33.6 | 33.8 | 33.8 | 34.5 | 34.7 | 35.1 | 35.6 |
| 75° | 27.1 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 27.1 | 27.2 | 27.4 | 28.0 | 28.4 |
| 77.5° | 20.6 | 20.4 | 20.2 | 20.1 | 20.2 | 20.4 | 20.6 | 20.6 | 21.0 | 21.0 | 21.4 |
| 80° | 16.3 | 16.1 | 15.9 | 15.9 | 15.9 | 16.1 | 16.3 | 16.5 | 16.5 | 17.0 | 16.9 |
| 82.5° | 12.5 | 12.2 | 12.2 | 12.1 | 12.2 | 12.2 | 12.5 | 12.5 | 12.5 | 12.9 | 12.9 |
| 85° | 6.7 | 6.8 | 6.7 | 7.0 | 6.7 | 6.8 | 6.7 | 6.5 | 6.7 | 7.0 | 7.0 |
| 87.5° | 3.3 | 3.2 | 3.3 | 3.2 | 3.3 | 3.2 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 90° | 6.8 | 6.8 | 7.0 | 7.1 | 7.0 | 6.8 | 6.8 | 6.7 | 6.4 | 6.1 | 5.9 |
| 92.5° | 6.9 | 7.0 | 7.0 | 7.1 | 7.0 | 7.0 | 6.9 | 6.8 | 6.7 | 6.6 | 6.4 |
| 95° | 11.5 | 11.4 | 11.4 | 11.3 | 11.4 | 11.4 | 11.5 | 11.6 | 11.4 | 11.2 | 10.8 |
| 97.5° | 14.9 | 15.0 | 15.1 | 15.2 | 15.1 | 15.0 | 14.9 | 14.8 | 14.7 | 14.4 | 14.3 |
| 100° | 17.3 | 17.4 | 17.5 | 17.7 | 17.5 | 17.4 | 17.3 | 17.2 | 16.9 | 16.5 | 16.0 |
| 102.5° | 18.4 | 18.6 | 18.8 | 18.9 | 18.8 | 18.6 | 18.4 | 18.3 | 17.9 | 17.3 | 16.6 |
| 105° | 19.3 | 19.6 | 19.8 | 20.1 | 19.8 | 19.6 | 19.3 | 19.1 | 18.7 | 18.0 | 17.4 |
| 107.5° | 19.9 | 20.1 | 20.4 | 20.6 | 20.4 | 20.1 | 19.9 | 19.6 | 19.9 | 20.5 | 21.2 |
| 110° | 20.1 | 20.4 | 20.6 | 20.8 | 20.6 | 20.4 | 20.1 | 19.9 | 22.7 | 28.5 | 34.4 |



TEST NUMBER: P331615-930

CATALOG NUMBER: SA2XXRDIP-C290D330U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 20.5 | 20.6 | 20.9 | 21.0 | 20.9 | 20.6 | 20.5 | 20.3 | 30.9 | 52.3 | 73.6 |
| 115° | 34.2 | 30.1 | 25.8 | 21.6 | 25.8 | 30.1 | 34.2 | 38.5 | 54.1 | 81.3 | 108.4 |
| 117.5° | 129.9 | 116.0 | 102.2 | 88.3 | 102.2 | 116.0 | 129.9 | 143.7 | 153.9 | 160.5 | 167.1 |
| 120° | 184.5 | 176.6 | 168.7 | 160.8 | 168.7 | 176.6 | 184.5 | 192.4 | 196.0 | 195.3 | 194.6 |
| 122.5° | 205.3 | 203.7 | 202.2 | 200.6 | 202.2 | 203.7 | 205.3 | 206.8 | 207.3 | 206.9 | 206.5 |
| 125° | 224.9 | 225.0 | 225.2 | 225.3 | 225.2 | 225.0 | 224.9 | 224.7 | 224.4 | 224.0 | 223.6 |
| 127.5° | 240.9 | 240.9 | 240.9 | 241.0 | 240.9 | 240.9 | 240.9 | 240.8 | 240.5 | 239.9 | 239.4 |
| 130° | 250.9 | 250.8 | 250.8 | 250.7 | 250.8 | 250.8 | 250.9 | 250.9 | 250.6 | 250.0 | 249.3 |
| 132.5° | 260.3 | 260.3 | 260.2 | 260.2 | 260.2 | 260.3 | 260.3 | 260.4 | 260.2 | 259.6 | 259.1 |
| 135° | 274.3 | 274.1 | 274.0 | 273.9 | 274.0 | 274.1 | 274.3 | 274.3 | 274.1 | 273.5 | 273.0 |
| 137.5° | 287.0 | 286.8 | 286.6 | 286.4 | 286.6 | 286.8 | 287.0 | 287.1 | 287.0 | 286.4 | 285.8 |
| 140° | 295.1 | 294.8 | 294.5 | 294.2 | 294.5 | 294.8 | 295.1 | 295.4 | 295.2 | 294.7 | 294.2 |
| 142.5° | 302.6 | 302.4 | 302.1 | 301.7 | 302.1 | 302.4 | 302.6 | 303.0 | 302.9 | 302.4 | 301.9 |
| 145° | 313.2 | 313.0 | 312.7 | 312.3 | 312.7 | 313.0 | 313.2 | 313.6 | 313.5 | 313.1 | 312.7 |
| 147.5° | 322.5 | 322.2 | 322.0 | 321.7 | 322.0 | 322.2 | 322.5 | 322.7 | 322.7 | 322.4 | 322.0 |
| 150° | 328.3 | 328.0 | 327.7 | 327.4 | 327.7 | 328.0 | 328.3 | 328.6 | 328.6 | 328.2 | 327.8 |
| 152.5° | 333.4 | 333.0 | 332.6 | 332.2 | 332.6 | 333.0 | 333.4 | 333.8 | 333.8 | 333.5 | 333.1 |
| 155° | 340.4 | 340.0 | 339.5 | 339.0 | 339.5 | 340.0 | 340.4 | 340.9 | 341.0 | 340.6 | 340.2 |
| 157.5° | 346.5 | 346.1 | 345.6 | 345.2 | 345.6 | 346.1 | 346.5 | 347.0 | 347.0 | 346.7 | 346.3 |
| 160° | 350.0 | 349.6 | 349.2 | 348.8 | 349.2 | 349.6 | 350.0 | 350.4 | 350.4 | 350.1 | 349.8 |
| 162.5° | 353.2 | 352.7 | 352.2 | 351.7 | 352.2 | 352.7 | 353.2 | 353.8 | 353.8 | 353.4 | 352.9 |
| 165° | 357.3 | 356.9 | 356.5 | 356.1 | 356.5 | 356.9 | 357.3 | 357.8 | 357.8 | 357.3 | 356.9 |
| 167.5° | 360.5 | 360.0 | 359.5 | 358.9 | 359.5 | 360.0 | 360.5 | 361.0 | 361.1 | 360.7 | 360.3 |
| 170° | 362.2 | 361.7 | 361.2 | 360.6 | 361.2 | 361.7 | 362.2 | 362.7 | 362.8 | 362.4 | 362.0 |
| 172.5° | 363.5 | 363.0 | 362.4 | 361.9 | 362.4 | 363.0 | 363.5 | 364.0 | 364.0 | 363.6 | 363.2 |
| 175° | 364.8 | 364.2 | 363.5 | 363.0 | 363.5 | 364.2 | 364.8 | 365.3 | 365.4 | 365.0 | 364.6 |
| 177.5° | 364.9 | 364.5 | 364.1 | 363.7 | 364.1 | 364.5 | 364.9 | 365.3 | 365.4 | 365.1 | 364.8 |
| 180° | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 |



TEST NUMBER: P331615-930

CATALOG NUMBER: SA2XXRDIP-C290D330U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 |
| 2.5° | 512.6 | 514.6 | 517.7 | 519.5 | 522.4 | 524.4 | 525.5 | 527.3 | 528.4 | 532.1 | 536.0 |
| 5° | 483.9 | 486.9 | 492.0 | 496.8 | 502.1 | 507.4 | 511.4 | 515.8 | 519.8 | 526.8 | 534.3 |
| 7.5° | 451.1 | 455.2 | 463.3 | 470.9 | 480.0 | 487.5 | 494.2 | 501.8 | 508.6 | 518.7 | 529.2 |
| 10° | 426.5 | 433.7 | 444.3 | 451.5 | 463.3 | 470.9 | 481.5 | 489.8 | 499.3 | 512.7 | 524.5 |
| 12.5° | 405.3 | 414.0 | 422.5 | 432.5 | 443.2 | 455.8 | 467.4 | 478.2 | 489.3 | 503.1 | 517.1 |
| 15° | 366.9 | 379.4 | 392.6 | 402.8 | 417.3 | 430.6 | 444.1 | 458.5 | 472.2 | 488.8 | 506.9 |
| 17.5° | 317.4 | 332.0 | 354.1 | 371.5 | 388.5 | 401.9 | 418.7 | 436.1 | 452.2 | 472.1 | 492.4 |
| 20° | 295.1 | 305.7 | 320.7 | 344.3 | 369.8 | 384.1 | 401.1 | 420.4 | 438.9 | 460.6 | 482.2 |
| 22.5° | 277.1 | 286.7 | 298.6 | 317.0 | 345.5 | 365.0 | 382.8 | 402.4 | 423.8 | 445.9 | 469.9 |
| 25° | 251.5 | 258.1 | 270.8 | 285.6 | 305.2 | 337.2 | 356.7 | 376.3 | 399.7 | 423.4 | 450.8 |
| 27.5° | 232.3 | 238.3 | 246.5 | 260.6 | 275.2 | 298.2 | 329.1 | 350.6 | 373.8 | 400.5 | 428.9 |
| 30° | 217.6 | 224.6 | 233.7 | 243.7 | 259.7 | 277.6 | 308.5 | 333.4 | 356.3 | 383.8 | 414.1 |
| 32.5° | 206.9 | 212.5 | 220.2 | 230.4 | 243.6 | 260.9 | 285.6 | 315.7 | 338.1 | 367.0 | 398.7 |
| 35° | 189.5 | 195.9 | 202.2 | 211.9 | 222.6 | 238.3 | 257.1 | 289.3 | 311.5 | 340.0 | 371.9 |
| 37.5° | 175.0 | 179.0 | 186.0 | 193.6 | 205.0 | 216.7 | 232.9 | 261.8 | 285.8 | 313.8 | 346.4 |
| 40° | 164.1 | 169.1 | 174.2 | 182.8 | 192.1 | 203.3 | 219.2 | 240.8 | 268.3 | 295.8 | 327.6 |
| 42.5° | 153.4 | 159.7 | 165.3 | 171.0 | 181.1 | 192.4 | 205.4 | 223.6 | 251.8 | 277.7 | 308.7 |
| 45° | 140.6 | 144.6 | 150.3 | 156.7 | 165.0 | 174.6 | 186.1 | 202.0 | 229.1 | 251.5 | 280.5 |
| 47.5° | 125.6 | 131.6 | 135.3 | 141.5 | 149.4 | 158.6 | 169.3 | 183.0 | 204.9 | 225.9 | 252.9 |
| 50° | 115.4 | 121.5 | 126.9 | 132.4 | 139.4 | 148.3 | 157.3 | 170.6 | 188.2 | 210.2 | 235.4 |
| 52.5° | 106.6 | 112.0 | 117.2 | 122.8 | 129.7 | 137.8 | 146.3 | 158.0 | 173.0 | 193.3 | 217.8 |
| 55° | 94.7 | 98.0 | 103.4 | 108.9 | 115.0 | 122.8 | 130.9 | 140.7 | 153.7 | 170.7 | 190.5 |
| 57.5° | 82.3 | 86.2 | 90.4 | 96.0 | 102.2 | 108.2 | 115.5 | 124.4 | 134.6 | 150.0 | 167.0 |
| 60° | 75.4 | 78.4 | 81.9 | 87.6 | 93.4 | 98.7 | 105.7 | 113.2 | 122.8 | 136.2 | 150.6 |
| 62.5° | 67.7 | 70.5 | 73.7 | 78.7 | 84.3 | 89.2 | 95.4 | 103.2 | 111.4 | 123.5 | 136.2 |
| 65° | 54.8 | 58.9 | 62.0 | 66.4 | 71.1 | 76.3 | 81.1 | 87.4 | 94.7 | 104.3 | 115.5 |
| 67.5° | 45.4 | 47.5 | 50.5 | 54.5 | 59.2 | 63.7 | 68.2 | 73.1 | 79.4 | 86.8 | 95.8 |
| 70° | 41.3 | 42.1 | 42.6 | 46.5 | 51.0 | 55.4 | 59.6 | 64.2 | 69.6 | 75.7 | 83.5 |
| 72.5° | 36.4 | 37.2 | 37.8 | 39.5 | 43.0 | 47.5 | 51.9 | 55.4 | 60.4 | 65.6 | 71.8 |
| 75° | 28.9 | 30.0 | 30.6 | 31.5 | 32.8 | 35.7 | 39.8 | 43.1 | 46.1 | 50.0 | 55.0 |
| 77.5° | 22.0 | 22.7 | 23.2 | 24.2 | 25.0 | 26.3 | 28.7 | 31.6 | 34.5 | 36.7 | 40.1 |
| 80° | 17.4 | 17.6 | 18.3 | 18.7 | 19.8 | 20.7 | 21.9 | 24.3 | 27.1 | 28.0 | 30.4 |
| 82.5° | 13.1 | 13.3 | 13.9 | 14.3 | 14.8 | 15.6 | 17.0 | 17.6 | 19.8 | 21.0 | 22.5 |
| 85° | 7.3 | 7.0 | 7.6 | 7.6 | 8.0 | 8.3 | 8.7 | 9.6 | 10.2 | 11.7 | 12.1 |
| 87.5° | 3.3 | 3.3 | 3.3 | 3.3 | 3.2 | 3.3 | 3.3 | 3.4 | 3.6 | 3.9 | 4.3 |
| 90° | 5.5 | 5.3 | 4.8 | 4.3 | 3.8 | 3.4 | 2.9 | 2.2 | 1.5 | 0.9 | 0.2 |
| 92.5° | 6.3 | 6.1 | 5.9 | 5.6 | 5.4 | 5.2 | 5.1 | 5.1 | 5.2 | 5.3 | 5.3 |
| 95° | 10.6 | 10.3 | 9.9 | 9.5 | 9.0 | 8.6 | 9.4 | 11.3 | 13.3 | 15.2 | 17.1 |
| 97.5° | 14.0 | 13.8 | 12.8 | 11.8 | 10.9 | 9.9 | 12.2 | 17.7 | 23.1 | 28.5 | 34.0 |
| 100° | 15.5 | 15.0 | 14.0 | 13.0 | 12.1 | 11.0 | 14.6 | 22.6 | 30.6 | 38.6 | 46.6 |
| 102.5° | 16.1 | 15.4 | 23.8 | 32.1 | 40.4 | 48.8 | 53.8 | 55.5 | 57.2 | 58.9 | 60.6 |
| 105° | 16.7 | 16.1 | 32.0 | 48.1 | 64.1 | 80.1 | 87.2 | 85.4 | 83.6 | 81.9 | 80.1 |
| 107.5° | 21.9 | 22.5 | 41.7 | 60.9 | 80.1 | 99.2 | 108.1 | 106.7 | 105.3 | 103.9 | 102.4 |
| 110° | 40.3 | 46.1 | 63.0 | 80.0 | 96.9 | 113.8 | 121.7 | 120.5 | 119.3 | 118.0 | 116.8 |



TEST NUMBER: P331615-930

CATALOG NUMBER: SA2XXRDIP-C290D330U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 95.0 | 116.3 | 120.5 | 124.7 | 128.9 | 133.1 | 134.6 | 133.5 | 132.5 | 131.3 | 130.3 |
| 115° | 135.5 | 162.7 | 161.2 | 159.7 | 158.2 | 156.8 | 155.6 | 154.6 | 153.6 | 152.5 | 151.6 |
| 117.5° | 173.6 | 180.2 | 179.1 | 178.1 | 177.2 | 176.1 | 175.0 | 174.0 | 172.8 | 171.7 | 170.6 |
| 120° | 194.0 | 193.2 | 192.2 | 191.1 | 190.0 | 189.0 | 188.0 | 187.2 | 186.3 | 185.4 | 184.5 |
| 122.5° | 206.1 | 205.7 | 204.6 | 203.3 | 202.2 | 201.1 | 200.1 | 199.1 | 198.2 | 197.3 | 196.3 |
| 125° | 223.1 | 222.7 | 221.6 | 220.5 | 219.4 | 218.3 | 217.4 | 216.6 | 215.8 | 215.1 | 214.3 |
| 127.5° | 238.7 | 238.1 | 237.3 | 236.5 | 235.6 | 234.8 | 234.0 | 233.2 | 232.3 | 231.5 | 230.6 |
| 130° | 248.7 | 248.1 | 247.4 | 246.8 | 246.1 | 245.5 | 244.7 | 243.8 | 242.8 | 241.9 | 240.9 |
| 132.5° | 258.5 | 258.0 | 257.3 | 256.7 | 256.0 | 255.4 | 254.7 | 253.9 | 253.1 | 252.3 | 251.5 |
| 135° | 272.4 | 271.8 | 271.3 | 270.8 | 270.2 | 269.7 | 269.0 | 268.0 | 267.1 | 266.1 | 265.2 |
| 137.5° | 285.3 | 284.7 | 284.1 | 283.5 | 282.9 | 282.3 | 281.7 | 281.0 | 280.4 | 279.7 | 279.1 |
| 140° | 293.7 | 293.1 | 292.5 | 291.9 | 291.2 | 290.6 | 290.0 | 289.5 | 289.0 | 288.6 | 288.1 |
| 142.5° | 301.4 | 300.9 | 300.2 | 299.5 | 298.7 | 298.0 | 297.4 | 297.0 | 296.5 | 296.1 | 295.7 |
| 145° | 312.3 | 311.9 | 310.9 | 309.9 | 308.8 | 307.9 | 307.4 | 307.4 | 307.5 | 307.6 | 307.6 |
| 147.5° | 321.7 | 321.5 | 320.5 | 319.5 | 318.5 | 317.5 | 317.2 | 317.3 | 317.6 | 317.8 | 318.0 |
| 150° | 327.5 | 327.2 | 326.2 | 325.3 | 324.3 | 323.4 | 323.1 | 323.5 | 323.9 | 324.3 | 324.7 |
| 152.5° | 332.7 | 332.4 | 331.5 | 330.6 | 329.7 | 328.8 | 328.6 | 329.1 | 329.5 | 330.0 | 330.4 |
| 155° | 339.9 | 339.5 | 338.8 | 338.1 | 337.5 | 336.7 | 336.6 | 337.1 | 337.7 | 338.2 | 338.8 |
| 157.5° | 345.8 | 345.4 | 345.0 | 344.5 | 344.0 | 343.5 | 343.4 | 343.9 | 344.3 | 344.8 | 345.2 |
| 160° | 349.4 | 349.0 | 348.7 | 348.3 | 348.0 | 347.6 | 347.6 | 348.0 | 348.3 | 348.7 | 349.0 |
| 162.5° | 352.6 | 352.2 | 351.9 | 351.6 | 351.2 | 351.0 | 351.0 | 351.3 | 351.7 | 352.0 | 352.4 |
| 165° | 356.5 | 356.1 | 356.0 | 355.8 | 355.6 | 355.5 | 355.6 | 355.9 | 356.2 | 356.6 | 356.9 |
| 167.5° | 359.9 | 359.5 | 359.3 | 359.1 | 359.0 | 358.8 | 358.9 | 359.2 | 359.6 | 360.0 | 360.3 |
| 170° | 361.6 | 361.2 | 361.0 | 360.9 | 360.8 | 360.7 | 360.8 | 361.2 | 361.5 | 361.8 | 362.2 |
| 172.5° | 362.8 | 362.4 | 362.3 | 362.2 | 362.1 | 361.9 | 362.1 | 362.4 | 362.7 | 363.1 | 363.5 |
| 175° | 364.2 | 363.8 | 363.7 | 363.5 | 363.5 | 363.3 | 363.5 | 363.9 | 364.3 | 364.7 | 365.1 |
| 177.5° | 364.4 | 364.1 | 364.0 | 364.0 | 363.9 | 363.9 | 364.0 | 364.4 | 364.7 | 365.0 | 365.3 |
| 180° | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 |



TEST NUMBER: P331615-930

CATALOG NUMBER: SA2XXRDIP-C290D330U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 |
| 2.5° | 536.1 | 536.5 | 539.5 | 540.9 | 543.5 | 544.5 | 545.8 | 545.4 | 545.4 | 546.0 | 550.2 |
| 5° | 537.3 | 541.0 | 546.5 | 551.9 | 557.1 | 561.5 | 564.5 | 567.4 | 568.6 | 573.9 | 578.7 |
| 7.5° | 535.3 | 542.2 | 551.3 | 559.5 | 569.3 | 577.0 | 583.3 | 589.1 | 593.0 | 600.9 | 608.9 |
| 10° | 532.8 | 542.4 | 552.8 | 563.4 | 576.9 | 587.1 | 597.5 | 605.4 | 608.0 | 619.6 | 626.3 |
| 12.5° | 527.7 | 540.6 | 553.8 | 567.5 | 580.7 | 594.8 | 606.2 | 614.2 | 623.3 | 633.7 | 646.0 |
| 15° | 520.2 | 535.0 | 552.3 | 569.8 | 588.7 | 605.8 | 618.0 | 631.9 | 641.9 | 653.4 | 664.1 |
| 17.5° | 509.4 | 528.5 | 550.3 | 570.7 | 592.6 | 610.8 | 627.7 | 641.0 | 648.0 | 654.6 | 656.2 |
| 20° | 500.8 | 521.3 | 547.1 | 571.1 | 593.0 | 614.1 | 630.8 | 641.9 | 643.8 | 643.9 | 634.1 |
| 22.5° | 491.5 | 514.7 | 541.6 | 566.2 | 592.4 | 615.9 | 628.8 | 633.6 | 626.2 | 613.7 | 594.7 |
| 25° | 474.3 | 501.2 | 532.5 | 560.6 | 589.1 | 611.3 | 615.8 | 607.5 | 581.7 | 554.6 | 520.4 |
| 27.5° | 455.7 | 485.9 | 519.4 | 550.7 | 581.1 | 594.9 | 585.3 | 555.2 | 508.9 | 468.6 | 419.7 |
| 30° | 442.1 | 476.0 | 508.9 | 543.9 | 572.1 | 578.0 | 556.0 | 511.7 | 457.6 | 396.9 | 348.1 |
| 32.5° | 426.5 | 462.0 | 498.2 | 534.4 | 558.0 | 552.2 | 515.8 | 461.3 | 397.9 | 338.2 | 292.2 |
| 35° | 404.3 | 440.9 | 480.0 | 516.3 | 531.3 | 506.3 | 451.8 | 380.9 | 316.1 | 260.4 | 228.7 |
| 37.5° | 378.6 | 418.6 | 459.2 | 492.5 | 491.5 | 449.8 | 375.6 | 302.4 | 247.9 | 214.9 | 192.4 |
| 40° | 360.4 | 400.8 | 444.7 | 472.8 | 460.8 | 406.5 | 326.1 | 257.1 | 217.2 | 190.9 | 174.5 |
| 42.5° | 342.9 | 383.4 | 427.1 | 449.4 | 428.4 | 361.7 | 281.7 | 227.6 | 194.7 | 174.2 | 160.9 |
| 45° | 313.2 | 356.0 | 396.3 | 408.7 | 371.3 | 297.8 | 227.8 | 188.5 | 166.6 | 151.5 | 142.3 |
| 47.5° | 284.1 | 326.2 | 363.1 | 363.2 | 312.7 | 241.5 | 192.2 | 163.1 | 144.5 | 132.7 | 126.0 |
| 50° | 266.3 | 306.3 | 337.2 | 332.4 | 275.0 | 214.8 | 171.9 | 146.8 | 131.3 | 122.2 | 115.2 |
| 52.5° | 246.3 | 285.1 | 311.9 | 298.2 | 243.1 | 189.1 | 153.6 | 132.6 | 119.8 | 111.9 | 105.6 |
| 55° | 217.2 | 251.7 | 270.6 | 249.8 | 198.4 | 157.3 | 129.8 | 113.3 | 103.7 | 97.0 | 91.6 |
| 57.5° | 188.7 | 217.1 | 228.9 | 204.8 | 163.4 | 130.4 | 109.8 | 97.4 | 87.9 | 83.1 | 80.3 |
| 60° | 170.7 | 195.0 | 203.3 | 176.7 | 142.0 | 114.1 | 97.3 | 85.8 | 78.7 | 75.6 | 72.8 |
| 62.5° | 153.1 | 172.9 | 176.3 | 152.0 | 123.8 | 99.9 | 85.4 | 75.7 | 71.0 | 68.0 | 65.4 |
| 65° | 127.0 | 141.3 | 139.7 | 120.0 | 98.0 | 79.2 | 68.7 | 62.8 | 59.3 | 55.0 | 50.4 |
| 67.5° | 104.6 | 113.3 | 108.0 | 93.4 | 74.8 | 61.6 | 54.7 | 50.2 | 45.8 | 41.8 | 40.8 |
| 70° | 90.3 | 95.4 | 89.8 | 76.3 | 61.3 | 51.7 | 46.1 | 40.8 | 38.2 | 37.3 | 35.5 |
| 72.5° | 76.7 | 78.5 | 72.5 | 60.9 | 49.9 | 42.8 | 37.3 | 34.4 | 32.9 | 32.2 | 31.1 |
| 75° | 57.6 | 56.3 | 51.1 | 42.1 | 34.7 | 29.8 | 28.1 | 27.1 | 26.1 | 25.4 | 24.8 |
| 77.5° | 40.4 | 38.6 | 33.9 | 28.0 | 24.1 | 21.9 | 20.8 | 20.2 | 19.8 | 19.4 | 18.8 |
| 80° | 30.4 | 29.1 | 24.5 | 20.0 | 18.3 | 17.2 | 16.6 | 15.9 | 15.9 | 15.6 | 15.0 |
| 82.5° | 22.3 | 20.8 | 16.7 | 14.7 | 13.8 | 13.0 | 12.6 | 12.2 | 12.1 | 12.1 | 11.7 |
| 85° | 11.7 | 9.5 | 8.3 | 8.0 | 7.4 | 7.0 | 7.3 | 6.8 | 6.8 | 6.8 | 6.7 |
| 87.5° | 3.8 | 3.1 | 3.1 | 3.1 | 3.3 | 3.4 | 3.4 | 3.5 | 3.8 | 3.7 | 3.8 |
| 90° | 0.9 | 1.5 | 2.2 | 2.9 | 3.4 | 3.8 | 4.3 | 4.8 | 5.3 | 5.5 | 5.9 |
| 92.5° | 5.3 | 5.2 | 5.1 | 5.1 | 5.2 | 5.4 | 5.6 | 5.9 | 6.1 | 6.3 | 6.4 |
| 95° | 15.2 | 13.3 | 11.3 | 9.4 | 8.6 | 9.0 | 9.5 | 9.9 | 10.3 | 10.6 | 10.8 |
| 97.5° | 28.5 | 23.1 | 17.7 | 12.2 | 9.9 | 10.9 | 11.8 | 12.8 | 13.8 | 14.0 | 14.3 |
| 100° | 38.6 | 30.6 | 22.6 | 14.6 | 11.0 | 12.1 | 13.0 | 14.0 | 15.0 | 15.5 | 16.0 |
| 102.5° | 58.9 | 57.2 | 55.5 | 53.8 | 48.8 | 40.4 | 32.1 | 23.8 | 15.4 | 16.1 | 16.6 |
| 105° | 81.9 | 83.6 | 85.4 | 87.2 | 80.1 | 64.1 | 48.1 | 32.0 | 16.1 | 16.7 | 17.4 |
| 107.5° | 103.9 | 105.3 | 106.7 | 108.1 | 99.2 | 80.1 | 60.9 | 41.7 | 22.5 | 21.9 | 21.2 |
| 110° | 118.0 | 119.3 | 120.5 | 121.7 | 113.8 | 96.9 | 80.0 | 63.0 | 46.1 | 40.3 | 34.4 |



TEST NUMBER: P331615-930

CATALOG NUMBER: SA2XXRDIP-C290D330U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 131.3 | 132.5 | 133.5 | 134.6 | 133.1 | 128.9 | 124.7 | 120.5 | 116.3 | 95.0 | 73.6 |
| 115° | 152.5 | 153.6 | 154.6 | 155.6 | 156.8 | 158.2 | 159.7 | 161.2 | 162.7 | 135.5 | 108.4 |
| 117.5° | 171.7 | 172.8 | 174.0 | 175.0 | 176.1 | 177.2 | 178.1 | 179.1 | 180.2 | 173.6 | 167.1 |
| 120° | 185.4 | 186.3 | 187.2 | 188.0 | 189.0 | 190.0 | 191.1 | 192.2 | 193.2 | 194.0 | 194.6 |
| 122.5° | 197.3 | 198.2 | 199.1 | 200.1 | 201.1 | 202.2 | 203.3 | 204.6 | 205.7 | 206.1 | 206.5 |
| 125° | 215.1 | 215.8 | 216.6 | 217.4 | 218.3 | 219.4 | 220.5 | 221.6 | 222.7 | 223.1 | 223.6 |
| 127.5° | 231.5 | 232.3 | 233.2 | 234.0 | 234.8 | 235.6 | 236.5 | 237.3 | 238.1 | 238.7 | 239.4 |
| 130° | 241.9 | 242.8 | 243.8 | 244.7 | 245.5 | 246.1 | 246.8 | 247.4 | 248.1 | 248.7 | 249.3 |
| 132.5° | 252.3 | 253.1 | 253.9 | 254.7 | 255.4 | 256.0 | 256.7 | 257.3 | 258.0 | 258.5 | 259.1 |
| 135° | 266.1 | 267.1 | 268.0 | 269.0 | 269.7 | 270.2 | 270.8 | 271.3 | 271.8 | 272.4 | 273.0 |
| 137.5° | 279.7 | 280.4 | 281.0 | 281.7 | 282.3 | 282.9 | 283.5 | 284.1 | 284.7 | 285.3 | 285.8 |
| 140° | 288.6 | 289.0 | 289.5 | 290.0 | 290.6 | 291.2 | 291.9 | 292.5 | 293.1 | 293.7 | 294.2 |
| 142.5° | 296.1 | 296.5 | 297.0 | 297.4 | 298.0 | 298.7 | 299.5 | 300.2 | 300.9 | 301.4 | 301.9 |
| 145° | 307.6 | 307.5 | 307.4 | 307.4 | 307.9 | 308.8 | 309.9 | 310.9 | 311.9 | 312.3 | 312.7 |
| 147.5° | 317.8 | 317.6 | 317.3 | 317.2 | 317.5 | 318.5 | 319.5 | 320.5 | 321.5 | 321.7 | 322.0 |
| 150° | 324.3 | 323.9 | 323.5 | 323.1 | 323.4 | 324.3 | 325.3 | 326.2 | 327.2 | 327.5 | 327.8 |
| 152.5° | 330.0 | 329.5 | 329.1 | 328.6 | 328.8 | 329.7 | 330.6 | 331.5 | 332.4 | 332.7 | 333.1 |
| 155° | 338.2 | 337.7 | 337.1 | 336.6 | 336.7 | 337.5 | 338.1 | 338.8 | 339.5 | 339.9 | 340.2 |
| 157.5° | 344.8 | 344.3 | 343.9 | 343.4 | 343.5 | 344.0 | 344.5 | 345.0 | 345.4 | 345.8 | 346.3 |
| 160° | 348.7 | 348.3 | 348.0 | 347.6 | 347.6 | 348.0 | 348.3 | 348.7 | 349.0 | 349.4 | 349.8 |
| 162.5° | 352.0 | 351.7 | 351.3 | 351.0 | 351.0 | 351.2 | 351.6 | 351.9 | 352.2 | 352.6 | 352.9 |
| 165° | 356.6 | 356.2 | 355.9 | 355.6 | 355.5 | 355.6 | 355.8 | 356.0 | 356.1 | 356.5 | 356.9 |
| 167.5° | 360.0 | 359.6 | 359.2 | 358.9 | 358.8 | 359.0 | 359.1 | 359.3 | 359.5 | 359.9 | 360.3 |
| 170° | 361.8 | 361.5 | 361.2 | 360.8 | 360.7 | 360.8 | 360.9 | 361.0 | 361.2 | 361.6 | 362.0 |
| 172.5° | 363.1 | 362.7 | 362.4 | 362.1 | 361.9 | 362.1 | 362.2 | 362.3 | 362.4 | 362.8 | 363.2 |
| 175° | 364.7 | 364.3 | 363.9 | 363.5 | 363.3 | 363.5 | 363.5 | 363.7 | 363.8 | 364.2 | 364.6 |
| 177.5° | 365.0 | 364.7 | 364.4 | 364.0 | 363.9 | 363.9 | 364.0 | 364.0 | 364.1 | 364.4 | 364.8 |
| 180° | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 |



TEST NUMBER: P331615-930

CATALOG NUMBER: SA2XXRDIP-C290D330U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 |
| 2.5° | 551.6 | 553.6 | 554.5 | 554.5 | 555.5 | 555.1 | 554.6 |
| 5° | 583.3 | 586.9 | 587.7 | 590.9 | 593.4 | 592.6 | 593.0 |
| 7.5° | 614.9 | 620.5 | 626.1 | 628.7 | 629.1 | 630.6 | 631.1 |
| 10° | 634.3 | 639.0 | 647.6 | 646.4 | 652.8 | 656.6 | 650.4 |
| 12.5° | 653.0 | 659.3 | 665.3 | 666.9 | 670.6 | 671.8 | 669.4 |
| 15° | 669.8 | 673.2 | 673.5 | 672.6 | 673.8 | 672.8 | 669.3 |
| 17.5° | 654.1 | 648.7 | 637.7 | 632.5 | 628.4 | 622.3 | 619.9 |
| 20° | 628.0 | 612.0 | 593.5 | 586.1 | 577.5 | 560.4 | 564.5 |
| 22.5° | 571.7 | 553.6 | 535.0 | 513.4 | 503.0 | 486.9 | 485.9 |
| 25° | 484.1 | 452.8 | 418.3 | 394.3 | 380.2 | 364.1 | 357.0 |
| 27.5° | 376.4 | 337.0 | 308.8 | 294.5 | 281.4 | 268.7 | 268.2 |
| 30° | 305.6 | 276.0 | 254.1 | 241.9 | 233.9 | 228.5 | 229.7 |
| 32.5° | 257.6 | 237.3 | 222.5 | 212.4 | 206.5 | 202.4 | 202.4 |
| 35° | 210.6 | 196.7 | 187.2 | 183.0 | 178.7 | 175.8 | 175.9 |
| 37.5° | 180.2 | 171.9 | 166.6 | 161.9 | 159.2 | 157.8 | 156.9 |
| 40° | 164.6 | 157.8 | 153.7 | 150.9 | 148.7 | 146.7 | 146.3 |
| 42.5° | 152.4 | 146.7 | 142.6 | 140.4 | 138.4 | 136.9 | 136.6 |
| 45° | 135.2 | 130.5 | 126.9 | 124.4 | 123.5 | 122.2 | 122.2 |
| 47.5° | 120.3 | 115.7 | 112.8 | 111.3 | 109.7 | 108.8 | 108.8 |
| 50° | 110.2 | 106.6 | 104.1 | 103.1 | 101.8 | 101.3 | 101.1 |
| 52.5° | 101.2 | 98.5 | 96.7 | 96.0 | 95.5 | 94.8 | 94.9 |
| 55° | 88.9 | 87.4 | 86.7 | 86.1 | 85.2 | 84.1 | 84.8 |
| 57.5° | 78.6 | 77.3 | 75.3 | 73.5 | 72.7 | 71.9 | 72.2 |
| 60° | 71.3 | 68.7 | 66.1 | 64.1 | 63.5 | 61.9 | 61.9 |
| 62.5° | 62.1 | 58.5 | 55.3 | 54.1 | 53.6 | 52.8 | 52.7 |
| 65° | 47.8 | 46.3 | 45.6 | 44.8 | 44.4 | 44.4 | 44.1 |
| 67.5° | 39.6 | 39.0 | 38.2 | 38.0 | 37.7 | 37.5 | 37.4 |
| 70° | 35.0 | 34.2 | 33.9 | 33.7 | 33.3 | 33.5 | 32.9 |
| 72.5° | 30.6 | 30.0 | 29.9 | 29.4 | 29.2 | 29.2 | 28.8 |
| 75° | 24.1 | 24.1 | 23.9 | 23.7 | 23.3 | 23.2 | 23.3 |
| 77.5° | 18.5 | 18.6 | 18.3 | 18.2 | 18.2 | 18.2 | 18.0 |
| 80° | 14.8 | 15.0 | 14.8 | 14.6 | 14.4 | 14.6 | 14.4 |
| 82.5° | 11.7 | 11.4 | 11.4 | 11.3 | 11.3 | 11.3 | 11.2 |
| 85° | 6.7 | 6.8 | 6.7 | 6.5 | 6.5 | 6.5 | 6.7 |
| 87.5° | 3.8 | 3.8 | 3.8 | 3.8 | 3.9 | 3.9 | 3.8 |
| 90° | 6.1 | 6.4 | 6.7 | 6.8 | 6.8 | 7.0 | 7.1 |
| 92.5° | 6.6 | 6.7 | 6.8 | 6.9 | 7.0 | 7.0 | 7.1 |
| 95° | 11.2 | 11.4 | 11.6 | 11.5 | 11.4 | 11.4 | 11.3 |
| 97.5° | 14.4 | 14.7 | 14.8 | 14.9 | 15.0 | 15.1 | 15.2 |
| 100° | 16.5 | 16.9 | 17.2 | 17.3 | 17.4 | 17.5 | 17.7 |
| 102.5° | 17.3 | 17.9 | 18.3 | 18.4 | 18.6 | 18.8 | 18.9 |
| 105° | 18.0 | 18.7 | 19.1 | 19.3 | 19.6 | 19.8 | 20.1 |
| 107.5° | 20.5 | 19.9 | 19.6 | 19.9 | 20.1 | 20.4 | 20.6 |
| 110° | 28.5 | 22.7 | 19.9 | 20.1 | 20.4 | 20.6 | 20.8 |



TEST NUMBER: P331615-930

CATALOG NUMBER: SA2XXRDIP-C290D330U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 52.3 | 30.9 | 20.3 | 20.5 | 20.6 | 20.9 | 21.0 |
| 115° | 81.3 | 54.1 | 38.5 | 34.2 | 30.1 | 25.8 | 21.6 |
| 117.5° | 160.5 | 153.9 | 143.7 | 129.9 | 116.0 | 102.2 | 88.3 |
| 120° | 195.3 | 196.0 | 192.4 | 184.5 | 176.6 | 168.7 | 160.8 |
| 122.5° | 206.9 | 207.3 | 206.8 | 205.3 | 203.7 | 202.2 | 200.6 |
| 125° | 224.0 | 224.4 | 224.7 | 224.9 | 225.0 | 225.2 | 225.3 |
| 127.5° | 239.9 | 240.5 | 240.8 | 240.9 | 240.9 | 240.9 | 241.0 |
| 130° | 250.0 | 250.6 | 250.9 | 250.9 | 250.8 | 250.8 | 250.7 |
| 132.5° | 259.6 | 260.2 | 260.4 | 260.3 | 260.3 | 260.2 | 260.2 |
| 135° | 273.5 | 274.1 | 274.3 | 274.3 | 274.1 | 274.0 | 273.9 |
| 137.5° | 286.4 | 287.0 | 287.1 | 287.0 | 286.8 | 286.6 | 286.4 |
| 140° | 294.7 | 295.2 | 295.4 | 295.1 | 294.8 | 294.5 | 294.2 |
| 142.5° | 302.4 | 302.9 | 303.0 | 302.6 | 302.4 | 302.1 | 301.7 |
| 145° | 313.1 | 313.5 | 313.6 | 313.2 | 313.0 | 312.7 | 312.3 |
| 147.5° | 322.4 | 322.7 | 322.7 | 322.5 | 322.2 | 322.0 | 321.7 |
| 150° | 328.2 | 328.6 | 328.6 | 328.3 | 328.0 | 327.7 | 327.4 |
| 152.5° | 333.5 | 333.8 | 333.8 | 333.4 | 333.0 | 332.6 | 332.2 |
| 155° | 340.6 | 341.0 | 340.9 | 340.4 | 340.0 | 339.5 | 339.0 |
| 157.5° | 346.7 | 347.0 | 347.0 | 346.5 | 346.1 | 345.6 | 345.2 |
| 160° | 350.1 | 350.4 | 350.4 | 350.0 | 349.6 | 349.2 | 348.8 |
| 162.5° | 353.4 | 353.8 | 353.8 | 353.2 | 352.7 | 352.2 | 351.7 |
| 165° | 357.3 | 357.8 | 357.8 | 357.3 | 356.9 | 356.5 | 356.1 |
| 167.5° | 360.7 | 361.1 | 361.0 | 360.5 | 360.0 | 359.5 | 358.9 |
| 170° | 362.4 | 362.8 | 362.7 | 362.2 | 361.7 | 361.2 | 360.6 |
| 172.5° | 363.6 | 364.0 | 364.0 | 363.5 | 363.0 | 362.4 | 361.9 |
| 175° | 365.0 | 365.4 | 365.3 | 364.8 | 364.2 | 363.5 | 363.0 |
| 177.5° | 365.1 | 365.4 | 365.3 | 364.9 | 364.5 | 364.1 | 363.7 |
| 180° | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 | 364.3 |

(END OF REPORT)