

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: P331621-930

Luminaire Tested: **SA2XXRDIP-C290D530U930-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331621-930
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-C290D530U930-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 290 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 530 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

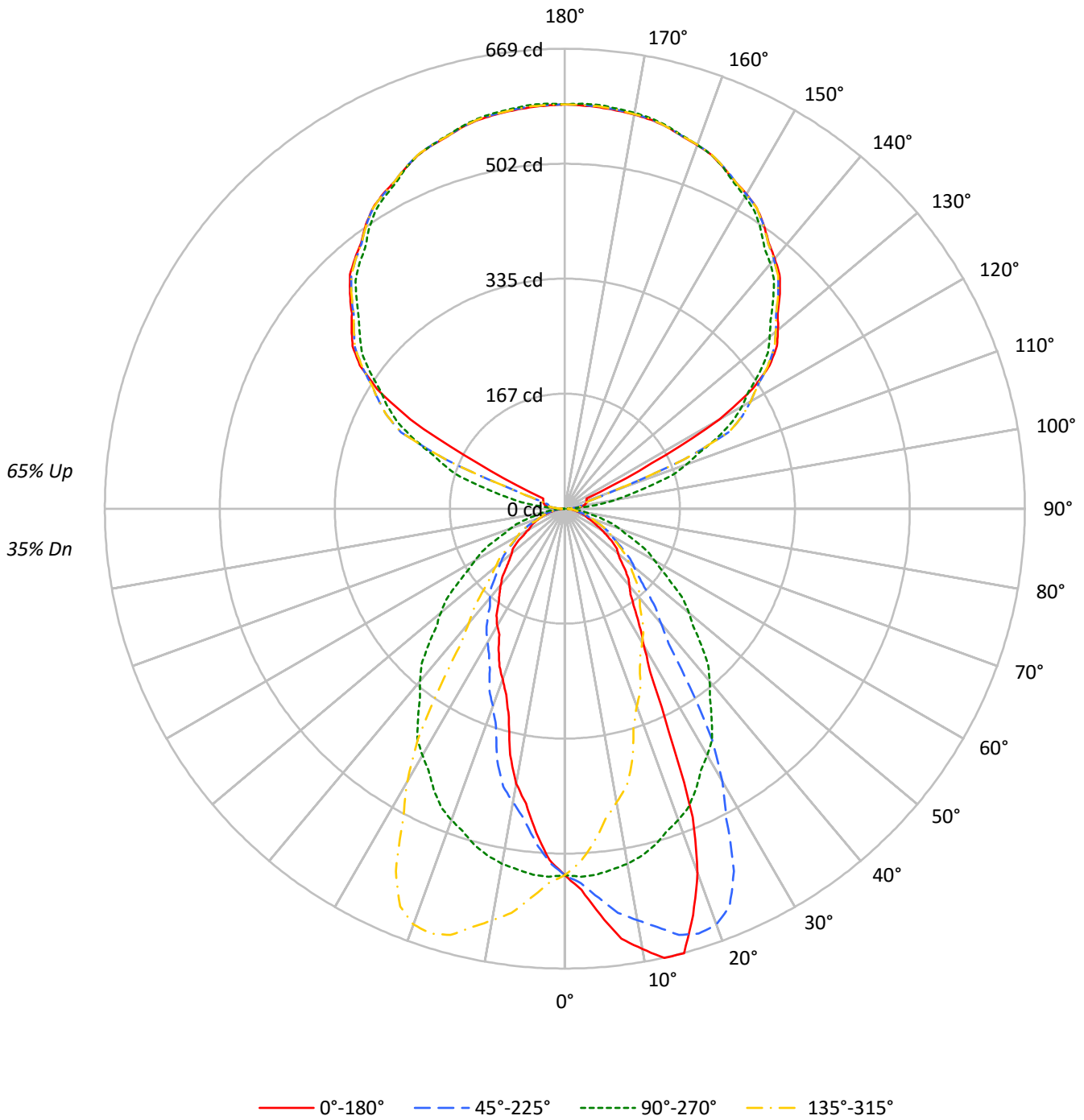
Lumens per Lamp: N/A
Luminaire Lumens: 2645.8 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

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



TEST NUMBER: P331621-930
CATALOG NUMBER: SA2XXRDIP-C290D530U930-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P331621-930

CATALOG NUMBER: SA2XXRDIP-C290D530U930-4F0-1E-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 | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 75 | 75 | 75 | 58 | 58 | 58 | 42 | 42 | 42 | 35 |
| 1 | 95 | 91 | 87 | 84 | 86 | 82 | 79 | 77 | 66 | 64 | 62 | 52 | 50 | 49 | 38 | 37 | 37 | 30 |
| 2 | 87 | 80 | 74 | 70 | 78 | 73 | 68 | 64 | 59 | 55 | 53 | 46 | 44 | 42 | 34 | 33 | 32 | 26 |
| 3 | 80 | 71 | 64 | 59 | 72 | 64 | 59 | 54 | 52 | 48 | 45 | 41 | 38 | 36 | 31 | 29 | 28 | 23 |
| 4 | 73 | 63 | 56 | 50 | 66 | 57 | 51 | 46 | 47 | 42 | 39 | 37 | 34 | 31 | 28 | 26 | 24 | 20 |
| 5 | 67 | 56 | 49 | 43 | 61 | 51 | 45 | 40 | 42 | 37 | 34 | 34 | 30 | 28 | 26 | 23 | 22 | 18 |
| 6 | 62 | 51 | 43 | 38 | 56 | 46 | 40 | 35 | 38 | 33 | 30 | 31 | 27 | 24 | 23 | 21 | 19 | 16 |
| 7 | 58 | 46 | 38 | 33 | 52 | 42 | 36 | 31 | 35 | 30 | 26 | 28 | 24 | 22 | 22 | 19 | 17 | 15 |
| 8 | 53 | 42 | 35 | 29 | 48 | 38 | 32 | 27 | 32 | 27 | 24 | 26 | 22 | 20 | 20 | 18 | 16 | 13 |
| 9 | 50 | 38 | 31 | 26 | 45 | 35 | 29 | 25 | 29 | 25 | 21 | 24 | 20 | 18 | 19 | 16 | 14 | 12 |
| 10 | 47 | 35 | 28 | 24 | 42 | 32 | 26 | 22 | 27 | 22 | 19 | 22 | 19 | 16 | 17 | 15 | 13 | 11 |

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: P331621-930

CATALOG NUMBER: SA2XXRDIP-C290D530U930-4F0-1E-UDD-A

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 50.5 | 1.9 |
| 10°-20° | 140.8 | 5.3 |
| 20°-30° | 181.4 | 6.9 |
| 30°-40° | 172.4 | 6.5 |
| 40°-50° | 147.7 | 5.6 |
| 50°-60° | 112.5 | 4.3 |
| 60°-70° | 71.1 | 2.7 |
| 70°-80° | 35.5 | 1.3 |
| 80°-90° | 10.7 | 0.4 |
| 90°-100° | 19.6 | 0.7 |
| 100°-110° | 71.9 | 2.7 |
| 110°-120° | 192.3 | 7.3 |
| 120°-130° | 317.4 | 12.0 |
| 130°-140° | 337.5 | 12.8 |
| 140°-150° | 313.7 | 11.9 |
| 150°-160° | 252.2 | 9.5 |
| 160°-170° | 162.5 | 6.1 |
| 170°-180° | 55.9 | 2.1 |
| 0°-30° | 372.7 | 14.1 |
| 0°-40° | 545.1 | 20.6 |
| 0°-60° | 805.3 | 30.4 |
| 0°-90° | 922.6 | 34.9 |
| 90°-120° | 283.8 | 10.7 |
| 90°-150° | 1252.5 | 47.3 |
| 90°-180° | 1723.0 | 65.1 |
| 0°-180° | 2645.8 | 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° | 12 | 0 | 12 | 0 | 12 | 5 |
| 95° | 18 | 28 | 18 | 28 | 18 | 17 |
| 105° | 32 | 129 | 32 | 129 | 32 | 34 |
| 115° | 35 | 245 | 35 | 245 | 35 | 87 |
| 125° | 364 | 346 | 364 | 346 | 364 | 315 |
| 135° | 442 | 428 | 442 | 428 | 442 | 341 |
| 145° | 504 | 496 | 504 | 496 | 504 | 315 |
| 155° | 547 | 547 | 547 | 547 | 547 | 252 |
| 165° | 575 | 576 | 575 | 576 | 575 | 162 |
| 175° | 586 | 589 | 586 | 589 | 586 | 56 |
| 180° | 588 | 588 | 588 | 588 | 588 | |



TEST NUMBER: P331621-930

CATALOG NUMBER: SA2XXRDIP-C290D530U930-4F0-1E-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° | 4.6 | 4.8 | 4.7 | 4.7 | 4.6 | 4.6 | 4.5 | 4.6 | 4.3 | 4.4 | 4.1 |
| 90° | 11.5 | 11.3 | 11.1 | 10.9 | 10.8 | 10.4 | 9.9 | 9.5 | 9.0 | 8.5 | 7.7 |
| 92.5° | 11.5 | 11.4 | 11.3 | 11.2 | 11.0 | 10.8 | 10.6 | 10.4 | 10.1 | 9.9 | 9.5 |
| 95° | 18.3 | 18.4 | 18.5 | 18.6 | 18.7 | 18.5 | 18.0 | 17.5 | 17.0 | 16.6 | 15.9 |
| 97.5° | 24.5 | 24.3 | 24.2 | 24.1 | 24.0 | 23.7 | 23.3 | 23.0 | 22.6 | 22.2 | 20.7 |
| 100° | 28.5 | 28.3 | 28.1 | 28.0 | 27.7 | 27.3 | 26.5 | 25.8 | 25.0 | 24.2 | 22.7 |
| 102.5° | 30.6 | 30.2 | 30.0 | 29.8 | 29.5 | 28.9 | 27.9 | 26.9 | 25.9 | 24.9 | 38.4 |
| 105° | 32.4 | 32.0 | 31.6 | 31.2 | 30.8 | 30.1 | 29.1 | 28.0 | 27.0 | 25.9 | 51.8 |
| 107.5° | 33.3 | 32.9 | 32.5 | 32.1 | 31.8 | 32.1 | 33.2 | 34.2 | 35.3 | 36.4 | 67.3 |
| 110° | 33.6 | 33.3 | 32.9 | 32.4 | 32.1 | 36.6 | 46.1 | 55.5 | 65.0 | 74.4 | 101.7 |



TEST NUMBER: P331621-930

CATALOG NUMBER: SA2XXRDIP-C290D530U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 33.9 | 33.7 | 33.3 | 33.0 | 32.8 | 49.8 | 84.3 | 118.8 | 153.3 | 187.8 | 194.5 |
| 115° | 34.9 | 41.7 | 48.5 | 55.3 | 62.1 | 87.4 | 131.2 | 175.0 | 218.7 | 262.5 | 260.2 |
| 117.5° | 142.4 | 164.9 | 187.2 | 209.5 | 232.0 | 248.4 | 259.0 | 269.6 | 280.2 | 290.7 | 289.2 |
| 120° | 259.5 | 272.3 | 285.1 | 297.8 | 310.6 | 316.4 | 315.3 | 314.1 | 313.0 | 311.9 | 310.1 |
| 122.5° | 323.8 | 326.4 | 328.8 | 331.3 | 333.8 | 334.7 | 334.0 | 333.3 | 332.6 | 332.0 | 330.1 |
| 125° | 363.8 | 363.5 | 363.2 | 363.0 | 362.6 | 362.2 | 361.5 | 360.9 | 360.2 | 359.5 | 357.8 |
| 127.5° | 389.0 | 388.9 | 388.9 | 388.8 | 388.7 | 388.2 | 387.3 | 386.3 | 385.3 | 384.4 | 383.0 |
| 130° | 404.6 | 404.7 | 404.8 | 404.9 | 405.0 | 404.6 | 403.5 | 402.4 | 401.5 | 400.4 | 399.3 |
| 132.5° | 420.0 | 420.0 | 420.1 | 420.2 | 420.3 | 420.0 | 419.1 | 418.2 | 417.3 | 416.4 | 415.3 |
| 135° | 442.1 | 442.3 | 442.5 | 442.6 | 442.9 | 442.5 | 441.5 | 440.6 | 439.6 | 438.6 | 437.8 |
| 137.5° | 462.3 | 462.6 | 462.8 | 463.2 | 463.5 | 463.3 | 462.3 | 461.4 | 460.5 | 459.5 | 458.5 |
| 140° | 474.8 | 475.3 | 475.8 | 476.2 | 476.7 | 476.5 | 475.6 | 474.8 | 474.0 | 473.1 | 472.1 |
| 142.5° | 487.1 | 487.5 | 488.0 | 488.5 | 489.0 | 488.9 | 488.0 | 487.3 | 486.5 | 485.8 | 484.5 |
| 145° | 504.2 | 504.7 | 505.2 | 505.6 | 506.1 | 506.0 | 505.3 | 504.7 | 504.0 | 503.4 | 501.7 |
| 147.5° | 519.3 | 519.7 | 520.1 | 520.5 | 520.8 | 520.8 | 520.3 | 519.8 | 519.3 | 518.9 | 517.2 |
| 150° | 528.5 | 528.9 | 529.4 | 529.9 | 530.4 | 530.3 | 529.7 | 529.1 | 528.6 | 528.0 | 526.5 |
| 152.5° | 536.3 | 536.9 | 537.5 | 538.2 | 538.7 | 538.8 | 538.3 | 537.7 | 537.1 | 536.5 | 535.1 |
| 155° | 547.1 | 548.0 | 548.7 | 549.4 | 550.2 | 550.3 | 549.8 | 549.2 | 548.6 | 548.0 | 546.9 |
| 157.5° | 557.1 | 557.8 | 558.6 | 559.3 | 560.1 | 560.1 | 559.5 | 558.8 | 558.2 | 557.6 | 556.8 |
| 160° | 562.9 | 563.5 | 564.3 | 564.9 | 565.6 | 565.6 | 565.0 | 564.4 | 563.9 | 563.4 | 562.8 |
| 162.5° | 567.7 | 568.5 | 569.3 | 570.1 | 571.0 | 571.0 | 570.4 | 569.7 | 569.1 | 568.4 | 567.9 |
| 165° | 574.8 | 575.5 | 576.2 | 576.8 | 577.5 | 577.5 | 576.8 | 576.2 | 575.5 | 574.8 | 574.5 |
| 167.5° | 579.4 | 580.2 | 581.1 | 581.9 | 582.8 | 582.9 | 582.2 | 581.5 | 580.8 | 580.2 | 579.9 |
| 170° | 582.0 | 582.9 | 583.8 | 584.6 | 585.5 | 585.5 | 584.9 | 584.2 | 583.6 | 582.9 | 582.7 |
| 172.5° | 584.1 | 585.0 | 585.8 | 586.7 | 587.5 | 587.6 | 586.9 | 586.3 | 585.6 | 585.0 | 584.7 |
| 175° | 585.9 | 586.9 | 587.7 | 588.7 | 589.7 | 589.8 | 589.1 | 588.5 | 587.8 | 587.2 | 586.9 |
| 177.5° | 587.0 | 587.7 | 588.3 | 589.1 | 589.7 | 589.8 | 589.3 | 588.7 | 588.2 | 587.7 | 587.6 |
| 180° | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 |



TEST NUMBER: P331621-930

CATALOG NUMBER: SA2XXRDIP-C290D530U930-4F0-1E-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° | 3.9 | 3.9 | 3.8 | 3.4 | 3.3 | 3.3 | 3.8 | 4.4 | 4.0 | 3.8 | 3.7 |
| 90° | 7.0 | 6.3 | 5.5 | 4.6 | 3.5 | 2.5 | 1.5 | 0.4 | 1.5 | 2.5 | 3.5 |
| 92.5° | 9.1 | 8.7 | 8.4 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.5 | 8.4 | 8.3 |
| 95° | 15.2 | 14.6 | 13.9 | 15.2 | 18.3 | 21.4 | 24.5 | 27.6 | 24.5 | 21.4 | 18.3 |
| 97.5° | 19.2 | 17.6 | 16.1 | 19.7 | 28.5 | 37.3 | 46.1 | 54.9 | 46.1 | 37.3 | 28.5 |
| 100° | 21.0 | 19.4 | 17.9 | 23.5 | 36.4 | 49.4 | 62.4 | 75.3 | 62.4 | 49.4 | 36.4 |
| 102.5° | 51.9 | 65.3 | 78.7 | 86.8 | 89.5 | 92.3 | 95.1 | 97.8 | 95.1 | 92.3 | 89.5 |
| 105° | 77.6 | 103.4 | 129.2 | 140.7 | 137.9 | 135.0 | 132.2 | 129.3 | 132.2 | 135.0 | 137.9 |
| 107.5° | 98.2 | 129.2 | 160.1 | 174.5 | 172.2 | 169.9 | 167.6 | 165.3 | 167.6 | 169.9 | 172.2 |
| 110° | 129.1 | 156.5 | 183.8 | 196.4 | 194.4 | 192.5 | 190.5 | 188.5 | 190.5 | 192.5 | 194.4 |



TEST NUMBER: P331621-930

CATALOG NUMBER: SA2XXRDIP-C290D530U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 201.3 | 208.1 | 214.8 | 217.3 | 215.6 | 213.8 | 212.1 | 210.3 | 212.1 | 213.8 | 215.6 |
| 115° | 257.8 | 255.4 | 253.1 | 251.1 | 249.5 | 247.9 | 246.2 | 244.7 | 246.2 | 247.9 | 249.5 |
| 117.5° | 287.6 | 285.9 | 284.3 | 282.6 | 280.8 | 279.0 | 277.2 | 275.4 | 277.2 | 279.0 | 280.8 |
| 120° | 308.5 | 306.8 | 305.1 | 303.5 | 302.1 | 300.7 | 299.2 | 297.8 | 299.2 | 300.7 | 302.1 |
| 122.5° | 328.2 | 326.4 | 324.6 | 322.9 | 321.4 | 319.9 | 318.4 | 316.9 | 318.4 | 319.9 | 321.4 |
| 125° | 356.0 | 354.2 | 352.4 | 350.8 | 349.6 | 348.4 | 347.2 | 345.9 | 347.2 | 348.4 | 349.6 |
| 127.5° | 381.7 | 380.3 | 379.0 | 377.6 | 376.3 | 375.0 | 373.6 | 372.2 | 373.6 | 375.0 | 376.3 |
| 130° | 398.3 | 397.3 | 396.2 | 394.9 | 393.5 | 391.9 | 390.4 | 388.9 | 390.4 | 391.9 | 393.5 |
| 132.5° | 414.3 | 413.3 | 412.2 | 411.1 | 409.8 | 408.5 | 407.2 | 405.9 | 407.2 | 408.5 | 409.8 |
| 135° | 437.0 | 436.1 | 435.3 | 434.1 | 432.6 | 431.0 | 429.6 | 428.0 | 429.6 | 431.0 | 432.6 |
| 137.5° | 457.6 | 456.6 | 455.7 | 454.6 | 453.6 | 452.5 | 451.4 | 450.5 | 451.4 | 452.5 | 453.6 |
| 140° | 471.1 | 470.0 | 469.0 | 468.1 | 467.3 | 466.6 | 465.8 | 465.0 | 465.8 | 466.6 | 467.3 |
| 142.5° | 483.3 | 482.2 | 480.9 | 480.0 | 479.3 | 478.7 | 478.0 | 477.3 | 478.0 | 478.7 | 479.3 |
| 145° | 500.1 | 498.6 | 496.9 | 496.2 | 496.3 | 496.4 | 496.4 | 496.5 | 496.4 | 496.4 | 496.3 |
| 147.5° | 515.7 | 514.0 | 512.5 | 511.8 | 512.3 | 512.6 | 512.9 | 513.3 | 512.9 | 512.6 | 512.3 |
| 150° | 525.0 | 523.5 | 522.0 | 521.5 | 522.2 | 522.9 | 523.5 | 524.2 | 523.5 | 522.9 | 522.2 |
| 152.5° | 533.7 | 532.2 | 530.8 | 530.4 | 531.2 | 531.9 | 532.6 | 533.4 | 532.6 | 531.9 | 531.2 |
| 155° | 545.8 | 544.6 | 543.5 | 543.3 | 544.2 | 545.0 | 545.9 | 546.7 | 545.9 | 545.0 | 544.2 |
| 157.5° | 556.0 | 555.1 | 554.4 | 554.3 | 555.1 | 555.8 | 556.5 | 557.2 | 556.5 | 555.8 | 555.1 |
| 160° | 562.2 | 561.7 | 561.1 | 561.1 | 561.7 | 562.2 | 562.8 | 563.4 | 562.8 | 562.2 | 561.7 |
| 162.5° | 567.4 | 567.0 | 566.5 | 566.6 | 567.0 | 567.6 | 568.2 | 568.8 | 568.2 | 567.6 | 567.0 |
| 165° | 574.2 | 574.0 | 573.7 | 573.8 | 574.4 | 574.9 | 575.5 | 576.1 | 575.5 | 574.9 | 574.4 |
| 167.5° | 579.7 | 579.4 | 579.1 | 579.3 | 579.8 | 580.4 | 581.0 | 581.6 | 581.0 | 580.4 | 579.8 |
| 170° | 582.5 | 582.4 | 582.1 | 582.4 | 582.9 | 583.5 | 584.1 | 584.6 | 584.1 | 583.5 | 582.9 |
| 172.5° | 584.6 | 584.4 | 584.2 | 584.4 | 585.0 | 585.5 | 586.1 | 586.7 | 586.1 | 585.5 | 585.0 |
| 175° | 586.8 | 586.6 | 586.4 | 586.6 | 587.3 | 588.0 | 588.6 | 589.3 | 588.6 | 588.0 | 587.3 |
| 177.5° | 587.5 | 587.4 | 587.3 | 587.6 | 588.2 | 588.6 | 589.2 | 589.7 | 589.2 | 588.6 | 588.2 |
| 180° | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 |



TEST NUMBER: P331621-930

CATALOG NUMBER: SA2XXRDIP-C290D530U930-4F0-1E-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° | 3.8 | 3.8 | 3.6 | 3.8 | 3.9 | 3.9 | 4.0 | 4.0 | 4.1 | 4.2 | 4.1 |
| 90° | 4.6 | 5.5 | 6.3 | 7.0 | 7.7 | 8.5 | 9.0 | 9.5 | 9.9 | 10.4 | 10.8 |
| 92.5° | 8.2 | 8.4 | 8.7 | 9.1 | 9.5 | 9.9 | 10.1 | 10.4 | 10.6 | 10.8 | 11.0 |
| 95° | 15.2 | 13.9 | 14.6 | 15.2 | 15.9 | 16.6 | 17.0 | 17.5 | 18.0 | 18.5 | 18.7 |
| 97.5° | 19.7 | 16.1 | 17.6 | 19.2 | 20.7 | 22.2 | 22.6 | 23.0 | 23.3 | 23.7 | 24.0 |
| 100° | 23.5 | 17.9 | 19.4 | 21.0 | 22.7 | 24.2 | 25.0 | 25.8 | 26.5 | 27.3 | 27.7 |
| 102.5° | 86.8 | 78.7 | 65.3 | 51.9 | 38.4 | 24.9 | 25.9 | 26.9 | 27.9 | 28.9 | 29.5 |
| 105° | 140.7 | 129.2 | 103.4 | 77.6 | 51.8 | 25.9 | 27.0 | 28.0 | 29.1 | 30.1 | 30.8 |
| 107.5° | 174.5 | 160.1 | 129.2 | 98.2 | 67.3 | 36.4 | 35.3 | 34.2 | 33.2 | 32.1 | 31.8 |
| 110° | 196.4 | 183.8 | 156.5 | 129.1 | 101.7 | 74.4 | 65.0 | 55.5 | 46.1 | 36.6 | 32.1 |



TEST NUMBER: P331621-930

CATALOG NUMBER: SA2XXRDIP-C290D530U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 217.3 | 214.8 | 208.1 | 201.3 | 194.5 | 187.8 | 153.3 | 118.8 | 84.3 | 49.8 | 32.8 |
| 115° | 251.1 | 253.1 | 255.4 | 257.8 | 260.2 | 262.5 | 218.7 | 175.0 | 131.2 | 87.4 | 62.1 |
| 117.5° | 282.6 | 284.3 | 285.9 | 287.6 | 289.2 | 290.7 | 280.2 | 269.6 | 259.0 | 248.4 | 232.0 |
| 120° | 303.5 | 305.1 | 306.8 | 308.5 | 310.1 | 311.9 | 313.0 | 314.1 | 315.3 | 316.4 | 310.6 |
| 122.5° | 322.9 | 324.6 | 326.4 | 328.2 | 330.1 | 332.0 | 332.6 | 333.3 | 334.0 | 334.7 | 333.8 |
| 125° | 350.8 | 352.4 | 354.2 | 356.0 | 357.8 | 359.5 | 360.2 | 360.9 | 361.5 | 362.2 | 362.6 |
| 127.5° | 377.6 | 379.0 | 380.3 | 381.7 | 383.0 | 384.4 | 385.3 | 386.3 | 387.3 | 388.2 | 388.7 |
| 130° | 394.9 | 396.2 | 397.3 | 398.3 | 399.3 | 400.4 | 401.5 | 402.4 | 403.5 | 404.6 | 405.0 |
| 132.5° | 411.1 | 412.2 | 413.3 | 414.3 | 415.3 | 416.4 | 417.3 | 418.2 | 419.1 | 420.0 | 420.3 |
| 135° | 434.1 | 435.3 | 436.1 | 437.0 | 437.8 | 438.6 | 439.6 | 440.6 | 441.5 | 442.5 | 442.9 |
| 137.5° | 454.6 | 455.7 | 456.6 | 457.6 | 458.5 | 459.5 | 460.5 | 461.4 | 462.3 | 463.3 | 463.5 |
| 140° | 468.1 | 469.0 | 470.0 | 471.1 | 472.1 | 473.1 | 474.0 | 474.8 | 475.6 | 476.5 | 476.7 |
| 142.5° | 480.0 | 480.9 | 482.2 | 483.3 | 484.5 | 485.8 | 486.5 | 487.3 | 488.0 | 488.9 | 489.0 |
| 145° | 496.2 | 496.9 | 498.6 | 500.1 | 501.7 | 503.4 | 504.0 | 504.7 | 505.3 | 506.0 | 506.1 |
| 147.5° | 511.8 | 512.5 | 514.0 | 515.7 | 517.2 | 518.9 | 519.3 | 519.8 | 520.3 | 520.8 | 520.8 |
| 150° | 521.5 | 522.0 | 523.5 | 525.0 | 526.5 | 528.0 | 528.6 | 529.1 | 529.7 | 530.3 | 530.4 |
| 152.5° | 530.4 | 530.8 | 532.2 | 533.7 | 535.1 | 536.5 | 537.1 | 537.7 | 538.3 | 538.8 | 538.7 |
| 155° | 543.3 | 543.5 | 544.6 | 545.8 | 546.9 | 548.0 | 548.6 | 549.2 | 549.8 | 550.3 | 550.2 |
| 157.5° | 554.3 | 554.4 | 555.1 | 556.0 | 556.8 | 557.6 | 558.2 | 558.8 | 559.5 | 560.1 | 560.1 |
| 160° | 561.1 | 561.1 | 561.7 | 562.2 | 562.8 | 563.4 | 563.9 | 564.4 | 565.0 | 565.6 | 565.6 |
| 162.5° | 566.6 | 566.5 | 567.0 | 567.4 | 567.9 | 568.4 | 569.1 | 569.7 | 570.4 | 571.0 | 571.0 |
| 165° | 573.8 | 573.7 | 574.0 | 574.2 | 574.5 | 574.8 | 575.5 | 576.2 | 576.8 | 577.5 | 577.5 |
| 167.5° | 579.3 | 579.1 | 579.4 | 579.7 | 579.9 | 580.2 | 580.8 | 581.5 | 582.2 | 582.9 | 582.8 |
| 170° | 582.4 | 582.1 | 582.4 | 582.5 | 582.7 | 582.9 | 583.6 | 584.2 | 584.9 | 585.5 | 585.5 |
| 172.5° | 584.4 | 584.2 | 584.4 | 584.6 | 584.7 | 585.0 | 585.6 | 586.3 | 586.9 | 587.6 | 587.5 |
| 175° | 586.6 | 586.4 | 586.6 | 586.8 | 586.9 | 587.2 | 587.8 | 588.5 | 589.1 | 589.8 | 589.7 |
| 177.5° | 587.6 | 587.3 | 587.4 | 587.5 | 587.6 | 587.7 | 588.2 | 588.7 | 589.3 | 589.8 | 589.7 |
| 180° | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 |



TEST NUMBER: P331621-930

CATALOG NUMBER: SA2XXRDIP-C290D530U930-4F0-1E-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° | 4.1 | 4.0 | 4.2 | 4.1 | 4.2 | 4.0 | 4.1 | 4.1 | 4.2 | 4.1 | 4.0 |
| 90° | 10.9 | 11.1 | 11.3 | 11.5 | 11.3 | 11.1 | 10.9 | 10.8 | 10.4 | 9.9 | 9.5 |
| 92.5° | 11.2 | 11.3 | 11.4 | 11.5 | 11.4 | 11.3 | 11.2 | 11.0 | 10.8 | 10.6 | 10.4 |
| 95° | 18.6 | 18.5 | 18.4 | 18.3 | 18.4 | 18.5 | 18.6 | 18.7 | 18.5 | 18.0 | 17.5 |
| 97.5° | 24.1 | 24.2 | 24.3 | 24.5 | 24.3 | 24.2 | 24.1 | 24.0 | 23.7 | 23.3 | 23.0 |
| 100° | 28.0 | 28.1 | 28.3 | 28.5 | 28.3 | 28.1 | 28.0 | 27.7 | 27.3 | 26.5 | 25.8 |
| 102.5° | 29.8 | 30.0 | 30.2 | 30.6 | 30.2 | 30.0 | 29.8 | 29.5 | 28.9 | 27.9 | 26.9 |
| 105° | 31.2 | 31.6 | 32.0 | 32.4 | 32.0 | 31.6 | 31.2 | 30.8 | 30.1 | 29.1 | 28.0 |
| 107.5° | 32.1 | 32.5 | 32.9 | 33.3 | 32.9 | 32.5 | 32.1 | 31.8 | 32.1 | 33.2 | 34.2 |
| 110° | 32.4 | 32.9 | 33.3 | 33.6 | 33.3 | 32.9 | 32.4 | 32.1 | 36.6 | 46.1 | 55.5 |



TEST NUMBER: P331621-930

CATALOG NUMBER: SA2XXRDIP-C290D530U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 33.0 | 33.3 | 33.7 | 33.9 | 33.7 | 33.3 | 33.0 | 32.8 | 49.8 | 84.3 | 118.8 |
| 115° | 55.3 | 48.5 | 41.7 | 34.9 | 41.7 | 48.5 | 55.3 | 62.1 | 87.4 | 131.2 | 175.0 |
| 117.5° | 209.5 | 187.2 | 164.9 | 142.4 | 164.9 | 187.2 | 209.5 | 232.0 | 248.4 | 259.0 | 269.6 |
| 120° | 297.8 | 285.1 | 272.3 | 259.5 | 272.3 | 285.1 | 297.8 | 310.6 | 316.4 | 315.3 | 314.1 |
| 122.5° | 331.3 | 328.8 | 326.4 | 323.8 | 326.4 | 328.8 | 331.3 | 333.8 | 334.7 | 334.0 | 333.3 |
| 125° | 363.0 | 363.2 | 363.5 | 363.8 | 363.5 | 363.2 | 363.0 | 362.6 | 362.2 | 361.5 | 360.9 |
| 127.5° | 388.8 | 388.9 | 388.9 | 389.0 | 388.9 | 388.9 | 388.8 | 388.7 | 388.2 | 387.3 | 386.3 |
| 130° | 404.9 | 404.8 | 404.7 | 404.6 | 404.7 | 404.8 | 404.9 | 405.0 | 404.6 | 403.5 | 402.4 |
| 132.5° | 420.2 | 420.1 | 420.0 | 420.0 | 420.0 | 420.1 | 420.2 | 420.3 | 420.0 | 419.1 | 418.2 |
| 135° | 442.6 | 442.5 | 442.3 | 442.1 | 442.3 | 442.5 | 442.6 | 442.9 | 442.5 | 441.5 | 440.6 |
| 137.5° | 463.2 | 462.8 | 462.6 | 462.3 | 462.6 | 462.8 | 463.2 | 463.5 | 463.3 | 462.3 | 461.4 |
| 140° | 476.2 | 475.8 | 475.3 | 474.8 | 475.3 | 475.8 | 476.2 | 476.7 | 476.5 | 475.6 | 474.8 |
| 142.5° | 488.5 | 488.0 | 487.5 | 487.1 | 487.5 | 488.0 | 488.5 | 489.0 | 488.9 | 488.0 | 487.3 |
| 145° | 505.6 | 505.2 | 504.7 | 504.2 | 504.7 | 505.2 | 505.6 | 506.1 | 506.0 | 505.3 | 504.7 |
| 147.5° | 520.5 | 520.1 | 519.7 | 519.3 | 519.7 | 520.1 | 520.5 | 520.8 | 520.8 | 520.3 | 519.8 |
| 150° | 529.9 | 529.4 | 528.9 | 528.5 | 528.9 | 529.4 | 529.9 | 530.4 | 530.3 | 529.7 | 529.1 |
| 152.5° | 538.2 | 537.5 | 536.9 | 536.3 | 536.9 | 537.5 | 538.2 | 538.7 | 538.8 | 538.3 | 537.7 |
| 155° | 549.4 | 548.7 | 548.0 | 547.1 | 548.0 | 548.7 | 549.4 | 550.2 | 550.3 | 549.8 | 549.2 |
| 157.5° | 559.3 | 558.6 | 557.8 | 557.1 | 557.8 | 558.6 | 559.3 | 560.1 | 560.1 | 559.5 | 558.8 |
| 160° | 564.9 | 564.3 | 563.5 | 562.9 | 563.5 | 564.3 | 564.9 | 565.6 | 565.6 | 565.0 | 564.4 |
| 162.5° | 570.1 | 569.3 | 568.5 | 567.7 | 568.5 | 569.3 | 570.1 | 571.0 | 571.0 | 570.4 | 569.7 |
| 165° | 576.8 | 576.2 | 575.5 | 574.8 | 575.5 | 576.2 | 576.8 | 577.5 | 577.5 | 576.8 | 576.2 |
| 167.5° | 581.9 | 581.1 | 580.2 | 579.4 | 580.2 | 581.1 | 581.9 | 582.8 | 582.9 | 582.2 | 581.5 |
| 170° | 584.6 | 583.8 | 582.9 | 582.0 | 582.9 | 583.8 | 584.6 | 585.5 | 585.5 | 584.9 | 584.2 |
| 172.5° | 586.7 | 585.8 | 585.0 | 584.1 | 585.0 | 585.8 | 586.7 | 587.5 | 587.6 | 586.9 | 586.3 |
| 175° | 588.7 | 587.7 | 586.9 | 585.9 | 586.9 | 587.7 | 588.7 | 589.7 | 589.8 | 589.1 | 588.5 |
| 177.5° | 589.1 | 588.3 | 587.7 | 587.0 | 587.7 | 588.3 | 589.1 | 589.7 | 589.8 | 589.3 | 588.7 |
| 180° | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 |



TEST NUMBER: P331621-930

CATALOG NUMBER: SA2XXRDIP-C290D530U930-4F0-1E-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° | 4.0 | 3.9 | 3.9 | 3.8 | 3.6 | 3.8 | 3.8 | 3.7 | 3.8 | 4.0 | 4.4 |
| 90° | 9.0 | 8.5 | 7.7 | 7.0 | 6.3 | 5.5 | 4.6 | 3.5 | 2.5 | 1.5 | 0.4 |
| 92.5° | 10.1 | 9.9 | 9.5 | 9.1 | 8.7 | 8.4 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 |
| 95° | 17.0 | 16.6 | 15.9 | 15.2 | 14.6 | 13.9 | 15.2 | 18.3 | 21.4 | 24.5 | 27.6 |
| 97.5° | 22.6 | 22.2 | 20.7 | 19.2 | 17.6 | 16.1 | 19.7 | 28.5 | 37.3 | 46.1 | 54.9 |
| 100° | 25.0 | 24.2 | 22.7 | 21.0 | 19.4 | 17.9 | 23.5 | 36.4 | 49.4 | 62.4 | 75.3 |
| 102.5° | 25.9 | 24.9 | 38.4 | 51.9 | 65.3 | 78.7 | 86.8 | 89.5 | 92.3 | 95.1 | 97.8 |
| 105° | 27.0 | 25.9 | 51.8 | 77.6 | 103.4 | 129.2 | 140.7 | 137.9 | 135.0 | 132.2 | 129.3 |
| 107.5° | 35.3 | 36.4 | 67.3 | 98.2 | 129.2 | 160.1 | 174.5 | 172.2 | 169.9 | 167.6 | 165.3 |
| 110° | 65.0 | 74.4 | 101.7 | 129.1 | 156.5 | 183.8 | 196.4 | 194.4 | 192.5 | 190.5 | 188.5 |



TEST NUMBER: P331621-930

CATALOG NUMBER: SA2XXRDIP-C290D530U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 153.3 | 187.8 | 194.5 | 201.3 | 208.1 | 214.8 | 217.3 | 215.6 | 213.8 | 212.1 | 210.3 |
| 115° | 218.7 | 262.5 | 260.2 | 257.8 | 255.4 | 253.1 | 251.1 | 249.5 | 247.9 | 246.2 | 244.7 |
| 117.5° | 280.2 | 290.7 | 289.2 | 287.6 | 285.9 | 284.3 | 282.6 | 280.8 | 279.0 | 277.2 | 275.4 |
| 120° | 313.0 | 311.9 | 310.1 | 308.5 | 306.8 | 305.1 | 303.5 | 302.1 | 300.7 | 299.2 | 297.8 |
| 122.5° | 332.6 | 332.0 | 330.1 | 328.2 | 326.4 | 324.6 | 322.9 | 321.4 | 319.9 | 318.4 | 316.9 |
| 125° | 360.2 | 359.5 | 357.8 | 356.0 | 354.2 | 352.4 | 350.8 | 349.6 | 348.4 | 347.2 | 345.9 |
| 127.5° | 385.3 | 384.4 | 383.0 | 381.7 | 380.3 | 379.0 | 377.6 | 376.3 | 375.0 | 373.6 | 372.2 |
| 130° | 401.5 | 400.4 | 399.3 | 398.3 | 397.3 | 396.2 | 394.9 | 393.5 | 391.9 | 390.4 | 388.9 |
| 132.5° | 417.3 | 416.4 | 415.3 | 414.3 | 413.3 | 412.2 | 411.1 | 409.8 | 408.5 | 407.2 | 405.9 |
| 135° | 439.6 | 438.6 | 437.8 | 437.0 | 436.1 | 435.3 | 434.1 | 432.6 | 431.0 | 429.6 | 428.0 |
| 137.5° | 460.5 | 459.5 | 458.5 | 457.6 | 456.6 | 455.7 | 454.6 | 453.6 | 452.5 | 451.4 | 450.5 |
| 140° | 474.0 | 473.1 | 472.1 | 471.1 | 470.0 | 469.0 | 468.1 | 467.3 | 466.6 | 465.8 | 465.0 |
| 142.5° | 486.5 | 485.8 | 484.5 | 483.3 | 482.2 | 480.9 | 480.0 | 479.3 | 478.7 | 478.0 | 477.3 |
| 145° | 504.0 | 503.4 | 501.7 | 500.1 | 498.6 | 496.9 | 496.2 | 496.3 | 496.4 | 496.4 | 496.5 |
| 147.5° | 519.3 | 518.9 | 517.2 | 515.7 | 514.0 | 512.5 | 511.8 | 512.3 | 512.6 | 512.9 | 513.3 |
| 150° | 528.6 | 528.0 | 526.5 | 525.0 | 523.5 | 522.0 | 521.5 | 522.2 | 522.9 | 523.5 | 524.2 |
| 152.5° | 537.1 | 536.5 | 535.1 | 533.7 | 532.2 | 530.8 | 530.4 | 531.2 | 531.9 | 532.6 | 533.4 |
| 155° | 548.6 | 548.0 | 546.9 | 545.8 | 544.6 | 543.5 | 543.3 | 544.2 | 545.0 | 545.9 | 546.7 |
| 157.5° | 558.2 | 557.6 | 556.8 | 556.0 | 555.1 | 554.4 | 554.3 | 555.1 | 555.8 | 556.5 | 557.2 |
| 160° | 563.9 | 563.4 | 562.8 | 562.2 | 561.7 | 561.1 | 561.1 | 561.7 | 562.2 | 562.8 | 563.4 |
| 162.5° | 569.1 | 568.4 | 567.9 | 567.4 | 567.0 | 566.5 | 566.6 | 567.0 | 567.6 | 568.2 | 568.8 |
| 165° | 575.5 | 574.8 | 574.5 | 574.2 | 574.0 | 573.7 | 573.8 | 574.4 | 574.9 | 575.5 | 576.1 |
| 167.5° | 580.8 | 580.2 | 579.9 | 579.7 | 579.4 | 579.1 | 579.3 | 579.8 | 580.4 | 581.0 | 581.6 |
| 170° | 583.6 | 582.9 | 582.7 | 582.5 | 582.4 | 582.1 | 582.4 | 582.9 | 583.5 | 584.1 | 584.6 |
| 172.5° | 585.6 | 585.0 | 584.7 | 584.6 | 584.4 | 584.2 | 584.4 | 585.0 | 585.5 | 586.1 | 586.7 |
| 175° | 587.8 | 587.2 | 586.9 | 586.8 | 586.6 | 586.4 | 586.6 | 587.3 | 588.0 | 588.6 | 589.3 |
| 177.5° | 588.2 | 587.7 | 587.6 | 587.5 | 587.4 | 587.3 | 587.6 | 588.2 | 588.6 | 589.2 | 589.7 |
| 180° | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 |



TEST NUMBER: P331621-930

CATALOG NUMBER: SA2XXRDIP-C290D530U930-4F0-1E-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 | 3.3 | 3.3 | 3.4 | 3.8 | 3.9 | 3.9 | 4.1 | 4.4 | 4.3 | 4.6 |
| 90° | 1.5 | 2.5 | 3.5 | 4.6 | 5.5 | 6.3 | 7.0 | 7.7 | 8.5 | 9.0 | 9.5 |
| 92.5° | 8.5 | 8.4 | 8.3 | 8.2 | 8.4 | 8.7 | 9.1 | 9.5 | 9.9 | 10.1 | 10.4 |
| 95° | 24.5 | 21.4 | 18.3 | 15.2 | 13.9 | 14.6 | 15.2 | 15.9 | 16.6 | 17.0 | 17.5 |
| 97.5° | 46.1 | 37.3 | 28.5 | 19.7 | 16.1 | 17.6 | 19.2 | 20.7 | 22.2 | 22.6 | 23.0 |
| 100° | 62.4 | 49.4 | 36.4 | 23.5 | 17.9 | 19.4 | 21.0 | 22.7 | 24.2 | 25.0 | 25.8 |
| 102.5° | 95.1 | 92.3 | 89.5 | 86.8 | 78.7 | 65.3 | 51.9 | 38.4 | 24.9 | 25.9 | 26.9 |
| 105° | 132.2 | 135.0 | 137.9 | 140.7 | 129.2 | 103.4 | 77.6 | 51.8 | 25.9 | 27.0 | 28.0 |
| 107.5° | 167.6 | 169.9 | 172.2 | 174.5 | 160.1 | 129.2 | 98.2 | 67.3 | 36.4 | 35.3 | 34.2 |
| 110° | 190.5 | 192.5 | 194.4 | 196.4 | 183.8 | 156.5 | 129.1 | 101.7 | 74.4 | 65.0 | 55.5 |



TEST NUMBER: P331621-930

CATALOG NUMBER: SA2XXRDIP-C290D530U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 212.1 | 213.8 | 215.6 | 217.3 | 214.8 | 208.1 | 201.3 | 194.5 | 187.8 | 153.3 | 118.8 |
| 115° | 246.2 | 247.9 | 249.5 | 251.1 | 253.1 | 255.4 | 257.8 | 260.2 | 262.5 | 218.7 | 175.0 |
| 117.5° | 277.2 | 279.0 | 280.8 | 282.6 | 284.3 | 285.9 | 287.6 | 289.2 | 290.7 | 280.2 | 269.6 |
| 120° | 299.2 | 300.7 | 302.1 | 303.5 | 305.1 | 306.8 | 308.5 | 310.1 | 311.9 | 313.0 | 314.1 |
| 122.5° | 318.4 | 319.9 | 321.4 | 322.9 | 324.6 | 326.4 | 328.2 | 330.1 | 332.0 | 332.6 | 333.3 |
| 125° | 347.2 | 348.4 | 349.6 | 350.8 | 352.4 | 354.2 | 356.0 | 357.8 | 359.5 | 360.2 | 360.9 |
| 127.5° | 373.6 | 375.0 | 376.3 | 377.6 | 379.0 | 380.3 | 381.7 | 383.0 | 384.4 | 385.3 | 386.3 |
| 130° | 390.4 | 391.9 | 393.5 | 394.9 | 396.2 | 397.3 | 398.3 | 399.3 | 400.4 | 401.5 | 402.4 |
| 132.5° | 407.2 | 408.5 | 409.8 | 411.1 | 412.2 | 413.3 | 414.3 | 415.3 | 416.4 | 417.3 | 418.2 |
| 135° | 429.6 | 431.0 | 432.6 | 434.1 | 435.3 | 436.1 | 437.0 | 437.8 | 438.6 | 439.6 | 440.6 |
| 137.5° | 451.4 | 452.5 | 453.6 | 454.6 | 455.7 | 456.6 | 457.6 | 458.5 | 459.5 | 460.5 | 461.4 |
| 140° | 465.8 | 466.6 | 467.3 | 468.1 | 469.0 | 470.0 | 471.1 | 472.1 | 473.1 | 474.0 | 474.8 |
| 142.5° | 478.0 | 478.7 | 479.3 | 480.0 | 480.9 | 482.2 | 483.3 | 484.5 | 485.8 | 486.5 | 487.3 |
| 145° | 496.4 | 496.4 | 496.3 | 496.2 | 496.9 | 498.6 | 500.1 | 501.7 | 503.4 | 504.0 | 504.7 |
| 147.5° | 512.9 | 512.6 | 512.3 | 511.8 | 512.5 | 514.0 | 515.7 | 517.2 | 518.9 | 519.3 | 519.8 |
| 150° | 523.5 | 522.9 | 522.2 | 521.5 | 522.0 | 523.5 | 525.0 | 526.5 | 528.0 | 528.6 | 529.1 |
| 152.5° | 532.6 | 531.9 | 531.2 | 530.4 | 530.8 | 532.2 | 533.7 | 535.1 | 536.5 | 537.1 | 537.7 |
| 155° | 545.9 | 545.0 | 544.2 | 543.3 | 543.5 | 544.6 | 545.8 | 546.9 | 548.0 | 548.6 | 549.2 |
| 157.5° | 556.5 | 555.8 | 555.1 | 554.3 | 554.4 | 555.1 | 556.0 | 556.8 | 557.6 | 558.2 | 558.8 |
| 160° | 562.8 | 562.2 | 561.7 | 561.1 | 561.1 | 561.7 | 562.2 | 562.8 | 563.4 | 563.9 | 564.4 |
| 162.5° | 568.2 | 567.6 | 567.0 | 566.6 | 566.5 | 567.0 | 567.4 | 567.9 | 568.4 | 569.1 | 569.7 |
| 165° | 575.5 | 574.9 | 574.4 | 573.8 | 573.7 | 574.0 | 574.2 | 574.5 | 574.8 | 575.5 | 576.2 |
| 167.5° | 581.0 | 580.4 | 579.8 | 579.3 | 579.1 | 579.4 | 579.7 | 579.9 | 580.2 | 580.8 | 581.5 |
| 170° | 584.1 | 583.5 | 582.9 | 582.4 | 582.1 | 582.4 | 582.5 | 582.7 | 582.9 | 583.6 | 584.2 |
| 172.5° | 586.1 | 585.5 | 585.0 | 584.4 | 584.2 | 584.4 | 584.6 | 584.7 | 585.0 | 585.6 | 586.3 |
| 175° | 588.6 | 588.0 | 587.3 | 586.6 | 586.4 | 586.6 | 586.8 | 586.9 | 587.2 | 587.8 | 588.5 |
| 177.5° | 589.2 | 588.6 | 588.2 | 587.6 | 587.3 | 587.4 | 587.5 | 587.6 | 587.7 | 588.2 | 588.7 |
| 180° | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 |



TEST NUMBER: P331621-930

CATALOG NUMBER: SA2XXRDIP-C290D530U930-4F0-1E-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° | 4.5 | 4.6 | 4.6 | 4.7 | 4.7 | 4.8 | 4.6 |
| 90° | 9.9 | 10.4 | 10.8 | 10.9 | 11.1 | 11.3 | 11.5 |
| 92.5° | 10.6 | 10.8 | 11.0 | 11.2 | 11.3 | 11.4 | 11.5 |
| 95° | 18.0 | 18.5 | 18.7 | 18.6 | 18.5 | 18.4 | 18.3 |
| 97.5° | 23.3 | 23.7 | 24.0 | 24.1 | 24.2 | 24.3 | 24.5 |
| 100° | 26.5 | 27.3 | 27.7 | 28.0 | 28.1 | 28.3 | 28.5 |
| 102.5° | 27.9 | 28.9 | 29.5 | 29.8 | 30.0 | 30.2 | 30.6 |
| 105° | 29.1 | 30.1 | 30.8 | 31.2 | 31.6 | 32.0 | 32.4 |
| 107.5° | 33.2 | 32.1 | 31.8 | 32.1 | 32.5 | 32.9 | 33.3 |
| 110° | 46.1 | 36.6 | 32.1 | 32.4 | 32.9 | 33.3 | 33.6 |



TEST NUMBER: P331621-930

CATALOG NUMBER: SA2XXRDIP-C290D530U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 84.3 | 49.8 | 32.8 | 33.0 | 33.3 | 33.7 | 33.9 |
| 115° | 131.2 | 87.4 | 62.1 | 55.3 | 48.5 | 41.7 | 34.9 |
| 117.5° | 259.0 | 248.4 | 232.0 | 209.5 | 187.2 | 164.9 | 142.4 |
| 120° | 315.3 | 316.4 | 310.6 | 297.8 | 285.1 | 272.3 | 259.5 |
| 122.5° | 334.0 | 334.7 | 333.8 | 331.3 | 328.8 | 326.4 | 323.8 |
| 125° | 361.5 | 362.2 | 362.6 | 363.0 | 363.2 | 363.5 | 363.8 |
| 127.5° | 387.3 | 388.2 | 388.7 | 388.8 | 388.9 | 388.9 | 389.0 |
| 130° | 403.5 | 404.6 | 405.0 | 404.9 | 404.8 | 404.7 | 404.6 |
| 132.5° | 419.1 | 420.0 | 420.3 | 420.2 | 420.1 | 420.0 | 420.0 |
| 135° | 441.5 | 442.5 | 442.9 | 442.6 | 442.5 | 442.3 | 442.1 |
| 137.5° | 462.3 | 463.3 | 463.5 | 463.2 | 462.8 | 462.6 | 462.3 |
| 140° | 475.6 | 476.5 | 476.7 | 476.2 | 475.8 | 475.3 | 474.8 |
| 142.5° | 488.0 | 488.9 | 489.0 | 488.5 | 488.0 | 487.5 | 487.1 |
| 145° | 505.3 | 506.0 | 506.1 | 505.6 | 505.2 | 504.7 | 504.2 |
| 147.5° | 520.3 | 520.8 | 520.8 | 520.5 | 520.1 | 519.7 | 519.3 |
| 150° | 529.7 | 530.3 | 530.4 | 529.9 | 529.4 | 528.9 | 528.5 |
| 152.5° | 538.3 | 538.8 | 538.7 | 538.2 | 537.5 | 536.9 | 536.3 |
| 155° | 549.8 | 550.3 | 550.2 | 549.4 | 548.7 | 548.0 | 547.1 |
| 157.5° | 559.5 | 560.1 | 560.1 | 559.3 | 558.6 | 557.8 | 557.1 |
| 160° | 565.0 | 565.6 | 565.6 | 564.9 | 564.3 | 563.5 | 562.9 |
| 162.5° | 570.4 | 571.0 | 571.0 | 570.1 | 569.3 | 568.5 | 567.7 |
| 165° | 576.8 | 577.5 | 577.5 | 576.8 | 576.2 | 575.5 | 574.8 |
| 167.5° | 582.2 | 582.9 | 582.8 | 581.9 | 581.1 | 580.2 | 579.4 |
| 170° | 584.9 | 585.5 | 585.5 | 584.6 | 583.8 | 582.9 | 582.0 |
| 172.5° | 586.9 | 587.6 | 587.5 | 586.7 | 585.8 | 585.0 | 584.1 |
| 175° | 589.1 | 589.8 | 589.7 | 588.7 | 587.7 | 586.9 | 585.9 |
| 177.5° | 589.3 | 589.8 | 589.7 | 589.1 | 588.3 | 587.7 | 587.0 |
| 180° | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 | 588.0 |

(END OF REPORT)