

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: P331622-940

Luminaire Tested: **SA2XXRDIP-C290D530U940-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331622-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-C290D530U940-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 290 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 530 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

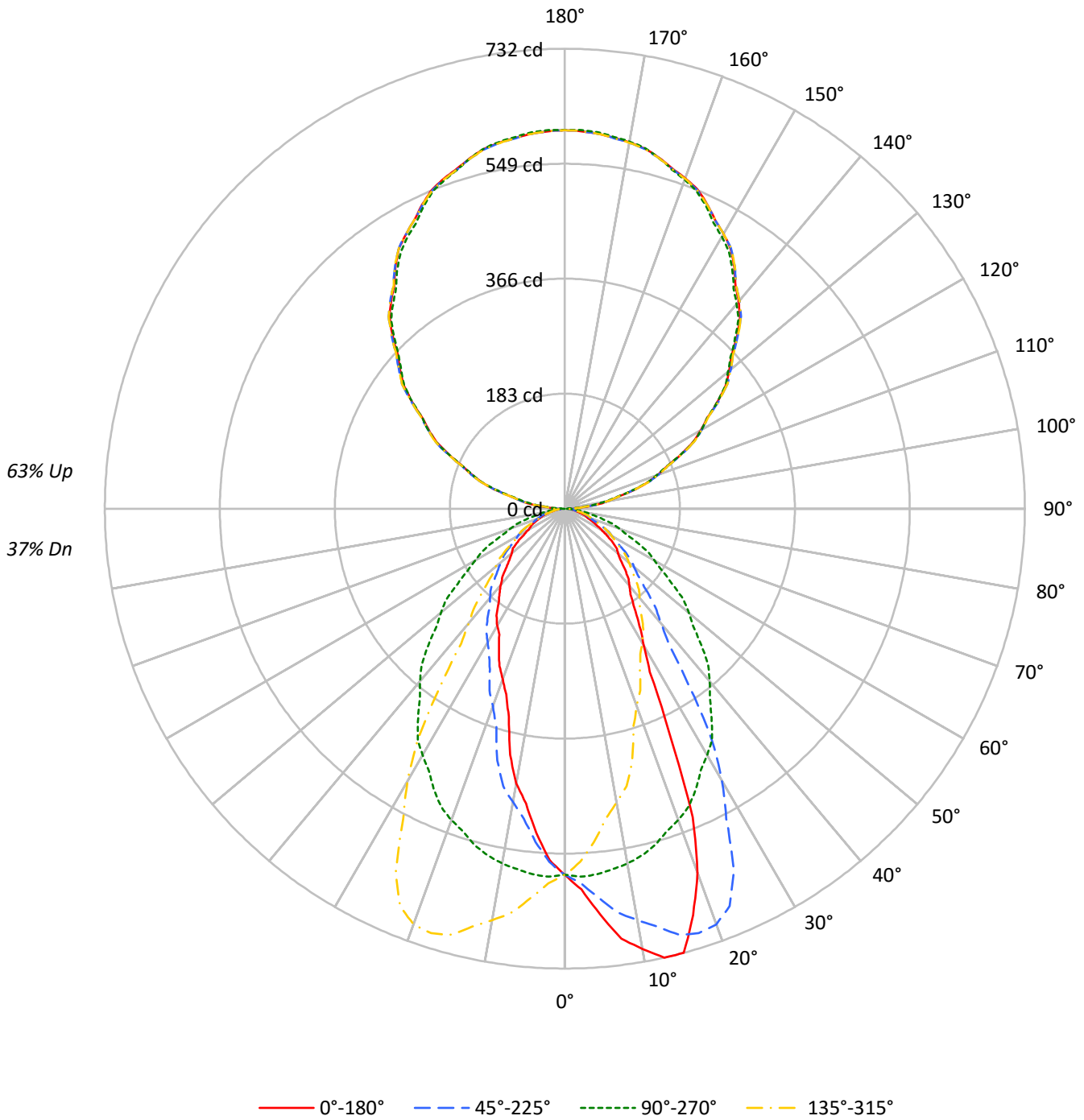
Lumens per Lamp: N/A
Luminaire Lumens: 2694.8 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

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: P331622-940
CATALOG NUMBER: SA2XXRDIP-C290D530U940-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P331622-940

CATALOG NUMBER: SA2XXRDIP-C290D530U940-4F0-1E-UDD-A1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| RF | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | 20 | |
| RC | 80 | | | | | 70 | | | | | 50 | | | | | 30 | | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 76 | 76 | 76 | 60 | 60 | 60 | 45 | 45 | 45 | 37 | | | | |
| 1 | 96 | 91 | 88 | 85 | 87 | 83 | 80 | 77 | 68 | 66 | 64 | 53 | 52 | 51 | 40 | 39 | 39 | 33 | | | | |
| 2 | 87 | 81 | 75 | 70 | 79 | 73 | 69 | 64 | 60 | 57 | 54 | 48 | 45 | 43 | 36 | 35 | 34 | 28 | | | | |
| 3 | 80 | 71 | 65 | 59 | 73 | 65 | 59 | 55 | 53 | 49 | 46 | 43 | 40 | 37 | 33 | 31 | 29 | 25 | | | | |
| 4 | 74 | 64 | 56 | 51 | 67 | 58 | 52 | 47 | 48 | 43 | 40 | 38 | 35 | 33 | 30 | 28 | 26 | 22 | | | | |
| 5 | 68 | 57 | 49 | 44 | 61 | 52 | 46 | 41 | 43 | 38 | 35 | 35 | 31 | 29 | 27 | 25 | 23 | 19 | | | | |
| 6 | 63 | 51 | 44 | 38 | 57 | 47 | 40 | 36 | 39 | 34 | 30 | 32 | 28 | 25 | 25 | 22 | 21 | 17 | | | | |
| 7 | 58 | 46 | 39 | 34 | 53 | 43 | 36 | 31 | 36 | 31 | 27 | 29 | 25 | 23 | 23 | 20 | 19 | 16 | | | | |
| 8 | 54 | 42 | 35 | 30 | 49 | 39 | 33 | 28 | 33 | 28 | 24 | 27 | 23 | 21 | 21 | 19 | 17 | 14 | | | | |
| 9 | 50 | 39 | 32 | 27 | 46 | 36 | 29 | 25 | 30 | 25 | 22 | 25 | 21 | 19 | 20 | 17 | 15 | 13 | | | | |
| 10 | 47 | 36 | 29 | 24 | 43 | 33 | 27 | 23 | 28 | 23 | 20 | 23 | 19 | 17 | 18 | 16 | 14 | 12 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|------|------|------|
| 0° | 9411 | 9411 | 9411 | 9411 |
| 5° | 10511 | 9470 | 8399 | 9470 |
| 10° | 11663 | 9404 | 7279 | 9404 |
| 15° | 12236 | 9267 | 5735 | 9267 |
| 20° | 10608 | 9062 | 4962 | 9062 |
| 25° | 6957 | 8783 | 4431 | 8783 |
| 30° | 4683 | 8444 | 4010 | 8444 |
| 35° | 3792 | 8016 | 3617 | 8016 |
| 40° | 3372 | 7552 | 3347 | 7552 |
| 45° | 3053 | 7005 | 2987 | 7005 |
| 50° | 2778 | 6465 | 2768 | 6465 |
| 55° | 2609 | 5866 | 2578 | 5866 |
| 60° | 2186 | 5318 | 2160 | 5318 |
| 65° | 1841 | 4829 | 2090 | 4829 |
| 70° | 1699 | 4310 | 1969 | 4310 |
| 75° | 1591 | 3755 | 1822 | 3755 |
| 80° | 1469 | 3096 | 1618 | 3096 |
| 85° | 1352 | 2445 | 1426 | 2445 |



TEST NUMBER: P331622-940

CATALOG NUMBER: SA2XXRDIP-C290D530U940-4F0-1E-UDD-A1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 55.3 | 2.1 |
| 10°-20° | 154.0 | 5.7 |
| 20°-30° | 198.4 | 7.4 |
| 30°-40° | 188.6 | 7.0 |
| 40°-50° | 161.5 | 6.0 |
| 50°-60° | 123.0 | 4.6 |
| 60°-70° | 77.8 | 2.9 |
| 70°-80° | 38.8 | 1.4 |
| 80°-90° | 12.5 | 0.5 |
| 90°-100° | 38.2 | 1.4 |
| 100°-110° | 118.6 | 4.4 |
| 110°-120° | 202.7 | 7.5 |
| 120°-130° | 266.6 | 9.9 |
| 130°-140° | 299.2 | 11.1 |
| 140°-150° | 293.4 | 10.9 |
| 150°-160° | 246.1 | 9.1 |
| 160°-170° | 163.2 | 6.1 |
| 170°-180° | 57.0 | 2.1 |
| 0°-30° | 407.7 | 15.1 |
| 0°-40° | 596.2 | 22.1 |
| 0°-60° | 880.8 | 32.7 |
| 0°-90° | 1009.9 | 37.5 |
| 90°-120° | 359.5 | 13.3 |
| 90°-150° | 1218.6 | 45.2 |
| 90°-180° | 1685.0 | 62.5 |
| 0°-180° | 2694.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0° | 583 | 583 | 583 | 583 | 583 | |
| 5° | 648 | 584 | 518 | 584 | 648 | 64 |
| 15° | 732 | 554 | 343 | 554 | 732 | 197 |
| 25° | 390 | 493 | 249 | 493 | 390 | 185 |
| 35° | 192 | 407 | 184 | 407 | 192 | 123 |
| 45° | 134 | 307 | 131 | 307 | 134 | 103 |
| 55° | 93 | 208 | 92 | 208 | 93 | 81 |
| 65° | 48 | 126 | 55 | 126 | 48 | 49 |
| 75° | 26 | 60 | 29 | 60 | 26 | 27 |
| 85° | 7 | 13 | 8 | 13 | 7 | 8 |
| 90° | 17 | 0 | 17 | 0 | 17 | 8 |
| 95° | 32 | 26 | 32 | 26 | 32 | 35 |
| 105° | 113 | 109 | 113 | 109 | 113 | 119 |
| 115° | 203 | 203 | 203 | 203 | 203 | 201 |
| 125° | 297 | 296 | 297 | 296 | 297 | 265 |
| 135° | 387 | 383 | 387 | 383 | 387 | 298 |
| 145° | 470 | 465 | 470 | 465 | 470 | 293 |
| 155° | 536 | 531 | 536 | 531 | 536 | 246 |
| 165° | 579 | 578 | 579 | 578 | 579 | 163 |
| 175° | 600 | 602 | 600 | 602 | 600 | 57 |
| 180° | 602 | 602 | 602 | 602 | 602 | |



TEST NUMBER: P331622-940

CATALOG NUMBER: SA2XXRDIP-C290D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 |
| 2.5° | 606.6 | 607.1 | 607.6 | 606.5 | 606.5 | 605.5 | 603.3 | 601.7 | 597.2 | 596.6 | 596.6 |
| 5° | 648.5 | 648.2 | 649.0 | 646.3 | 642.7 | 641.9 | 638.0 | 632.9 | 627.7 | 621.9 | 620.6 |
| 7.5° | 690.3 | 689.6 | 688.0 | 687.6 | 684.8 | 678.7 | 672.5 | 665.9 | 657.2 | 648.6 | 644.4 |
| 10° | 711.4 | 718.1 | 714.0 | 706.9 | 708.3 | 698.8 | 693.8 | 685.0 | 677.7 | 664.9 | 662.2 |
| 12.5° | 732.1 | 734.8 | 733.4 | 729.4 | 727.6 | 721.0 | 714.2 | 706.6 | 693.1 | 681.7 | 671.7 |
| 15° | 732.0 | 735.8 | 736.9 | 735.7 | 736.6 | 736.3 | 732.6 | 726.4 | 714.6 | 702.0 | 691.1 |
| 17.5° | 678.0 | 680.6 | 687.3 | 691.8 | 697.5 | 709.4 | 715.4 | 717.6 | 716.0 | 708.7 | 701.1 |
| 20° | 617.4 | 613.0 | 631.6 | 641.1 | 649.2 | 669.4 | 686.9 | 693.6 | 704.3 | 704.1 | 702.0 |
| 22.5° | 531.5 | 532.5 | 550.2 | 561.5 | 585.1 | 605.5 | 625.3 | 650.4 | 671.2 | 684.9 | 692.9 |
| 25° | 390.5 | 398.2 | 415.8 | 431.2 | 457.5 | 495.3 | 529.5 | 569.2 | 606.6 | 636.2 | 664.4 |
| 27.5° | 293.3 | 293.9 | 307.8 | 322.1 | 337.7 | 368.5 | 411.7 | 459.1 | 512.5 | 556.6 | 607.3 |
| 30° | 251.2 | 249.9 | 255.8 | 264.6 | 277.9 | 301.8 | 334.2 | 380.8 | 434.1 | 500.5 | 559.6 |
| 32.5° | 221.3 | 221.4 | 225.9 | 232.3 | 243.3 | 259.5 | 281.7 | 319.6 | 369.9 | 435.2 | 504.5 |
| 35° | 192.4 | 192.3 | 195.5 | 200.1 | 204.7 | 215.1 | 230.3 | 250.1 | 284.8 | 345.7 | 416.6 |
| 37.5° | 171.7 | 172.5 | 174.2 | 177.1 | 182.2 | 188.0 | 197.1 | 210.4 | 235.1 | 271.2 | 330.7 |
| 40° | 160.0 | 160.4 | 162.6 | 165.1 | 168.1 | 172.5 | 180.0 | 190.8 | 208.8 | 237.6 | 281.2 |
| 42.5° | 149.4 | 149.7 | 151.3 | 153.6 | 156.0 | 160.4 | 166.7 | 175.9 | 190.6 | 212.9 | 248.9 |
| 45° | 133.7 | 133.7 | 135.1 | 136.1 | 138.8 | 142.8 | 147.8 | 155.6 | 165.7 | 182.3 | 206.2 |
| 47.5° | 119.0 | 119.0 | 120.0 | 121.7 | 123.4 | 126.5 | 131.5 | 137.9 | 145.2 | 158.0 | 178.4 |
| 50° | 110.6 | 110.8 | 111.4 | 112.8 | 113.9 | 116.6 | 120.6 | 126.0 | 133.7 | 143.7 | 160.6 |
| 52.5° | 103.8 | 103.7 | 104.4 | 105.0 | 105.8 | 107.7 | 110.7 | 115.5 | 122.3 | 131.0 | 145.1 |
| 55° | 92.7 | 91.9 | 93.2 | 94.2 | 94.8 | 95.6 | 97.2 | 100.2 | 106.1 | 113.4 | 123.9 |
| 57.5° | 79.0 | 78.6 | 79.5 | 80.4 | 82.4 | 84.5 | 86.0 | 87.8 | 90.9 | 96.1 | 106.6 |
| 60° | 67.7 | 67.7 | 69.5 | 70.1 | 72.3 | 75.2 | 78.0 | 79.6 | 82.7 | 86.1 | 93.8 |
| 62.5° | 57.6 | 57.8 | 58.6 | 59.2 | 60.5 | 63.9 | 67.9 | 71.5 | 74.4 | 77.7 | 82.8 |
| 65° | 48.2 | 48.6 | 48.6 | 49.0 | 49.8 | 50.6 | 52.3 | 55.1 | 60.2 | 64.8 | 68.7 |
| 67.5° | 40.9 | 41.0 | 41.2 | 41.6 | 41.7 | 42.6 | 43.3 | 44.6 | 45.7 | 50.1 | 54.9 |
| 70° | 36.0 | 36.6 | 36.5 | 36.8 | 37.1 | 37.5 | 38.3 | 38.9 | 40.8 | 41.7 | 44.6 |
| 72.5° | 31.5 | 31.9 | 31.9 | 32.2 | 32.7 | 32.8 | 33.4 | 34.1 | 35.2 | 36.0 | 37.6 |
| 75° | 25.5 | 25.3 | 25.5 | 25.9 | 26.1 | 26.3 | 26.3 | 27.1 | 27.7 | 28.5 | 29.6 |
| 77.5° | 19.7 | 19.9 | 19.9 | 19.9 | 20.0 | 20.3 | 20.2 | 20.6 | 21.2 | 21.7 | 22.1 |
| 80° | 15.8 | 16.0 | 15.8 | 16.0 | 16.2 | 16.4 | 16.2 | 16.4 | 17.0 | 17.4 | 17.4 |
| 82.5° | 12.2 | 12.3 | 12.4 | 12.4 | 12.5 | 12.5 | 12.8 | 12.8 | 13.3 | 13.2 | 13.4 |
| 85° | 7.3 | 7.1 | 7.1 | 7.1 | 7.3 | 7.5 | 7.3 | 7.3 | 7.5 | 7.5 | 7.5 |
| 87.5° | 6.1 | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 6.4 | 6.2 | 6.5 | 5.8 |
| 90° | 17.3 | 17.2 | 17.0 | 16.9 | 16.9 | 16.9 | 17.1 | 17.4 | 17.6 | 17.8 | 15.3 |
| 92.5° | 16.5 | 16.5 | 16.4 | 16.4 | 16.4 | 16.3 | 16.3 | 16.2 | 16.2 | 16.1 | 15.6 |
| 95° | 31.6 | 31.7 | 32.0 | 32.2 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.3 |
| 97.5° | 54.6 | 54.7 | 54.7 | 54.7 | 54.7 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.3 |
| 100° | 69.6 | 69.8 | 69.9 | 70.0 | 70.1 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 69.8 |
| 102.5° | 86.8 | 86.9 | 86.9 | 87.1 | 87.2 | 87.2 | 87.1 | 87.0 | 86.9 | 86.9 | 86.4 |
| 105° | 112.9 | 112.9 | 112.9 | 112.9 | 112.9 | 112.8 | 112.5 | 112.4 | 112.1 | 111.9 | 111.6 |
| 107.5° | 137.5 | 138.0 | 138.6 | 139.0 | 139.6 | 139.8 | 139.7 | 139.6 | 139.6 | 139.5 | 139.5 |
| 110° | 156.6 | 156.9 | 157.3 | 157.7 | 158.0 | 158.1 | 158.1 | 158.1 | 158.1 | 158.1 | 158.1 |



TEST NUMBER: P331622-940

CATALOG NUMBER: SA2XXRDIP-C290D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 175.0 | 175.1 | 175.4 | 175.7 | 175.9 | 176.2 | 176.5 | 176.7 | 177.0 | 177.3 | 177.4 |
| 115° | 203.4 | 203.8 | 204.1 | 204.4 | 204.7 | 205.0 | 205.1 | 205.2 | 205.4 | 205.5 | 205.6 |
| 117.5° | 230.5 | 230.9 | 231.2 | 231.6 | 231.9 | 232.2 | 232.5 | 232.7 | 233.0 | 233.3 | 233.9 |
| 120° | 249.7 | 250.0 | 250.4 | 250.7 | 251.0 | 251.2 | 251.2 | 251.2 | 251.2 | 251.2 | 252.1 |
| 122.5° | 268.4 | 268.7 | 268.9 | 269.1 | 269.4 | 269.7 | 269.9 | 270.2 | 270.5 | 270.7 | 271.3 |
| 125° | 296.9 | 297.0 | 297.2 | 297.3 | 297.4 | 297.7 | 298.0 | 298.3 | 298.6 | 299.0 | 299.3 |
| 127.5° | 323.0 | 323.3 | 323.7 | 324.0 | 324.4 | 324.9 | 325.2 | 325.7 | 326.0 | 326.5 | 326.9 |
| 130° | 341.7 | 342.1 | 342.6 | 343.0 | 343.5 | 343.8 | 344.1 | 344.3 | 344.6 | 344.7 | 345.0 |
| 132.5° | 359.6 | 360.0 | 360.3 | 360.7 | 361.1 | 361.5 | 361.9 | 362.5 | 363.0 | 363.5 | 363.5 |
| 135° | 387.4 | 387.8 | 388.2 | 388.5 | 388.8 | 389.1 | 389.1 | 389.3 | 389.4 | 389.5 | 389.3 |
| 137.5° | 412.7 | 413.1 | 413.6 | 414.0 | 414.5 | 414.7 | 414.8 | 414.9 | 415.0 | 415.1 | 414.8 |
| 140° | 430.2 | 430.6 | 431.1 | 431.5 | 432.0 | 432.2 | 432.2 | 432.2 | 432.2 | 432.2 | 431.7 |
| 142.5° | 446.0 | 446.5 | 446.9 | 447.4 | 447.8 | 448.0 | 447.9 | 447.8 | 447.7 | 447.6 | 447.3 |
| 145° | 469.8 | 470.3 | 470.7 | 471.2 | 471.6 | 471.8 | 471.7 | 471.6 | 471.4 | 471.4 | 470.7 |
| 147.5° | 491.1 | 491.5 | 492.0 | 492.4 | 492.8 | 492.9 | 492.7 | 492.4 | 492.1 | 492.0 | 491.4 |
| 150° | 505.0 | 505.2 | 505.6 | 506.0 | 506.3 | 506.3 | 506.0 | 505.6 | 505.2 | 505.0 | 504.4 |
| 152.5° | 518.0 | 518.4 | 518.8 | 519.2 | 519.7 | 519.7 | 519.2 | 518.8 | 518.4 | 518.0 | 517.4 |
| 155° | 535.5 | 535.7 | 536.1 | 536.5 | 536.8 | 536.7 | 536.1 | 535.6 | 535.0 | 534.4 | 534.0 |
| 157.5° | 550.5 | 551.1 | 551.6 | 552.1 | 552.7 | 552.6 | 551.8 | 551.0 | 550.3 | 549.5 | 549.3 |
| 160° | 559.8 | 560.3 | 560.8 | 561.2 | 561.7 | 561.5 | 560.9 | 560.2 | 559.5 | 558.8 | 558.7 |
| 162.5° | 568.0 | 568.6 | 569.1 | 569.6 | 570.2 | 570.1 | 569.3 | 568.5 | 567.8 | 566.9 | 566.9 |
| 165° | 578.6 | 579.3 | 579.8 | 580.3 | 580.9 | 580.8 | 580.1 | 579.3 | 578.5 | 577.7 | 577.7 |
| 167.5° | 587.4 | 588.0 | 588.6 | 589.2 | 589.8 | 589.7 | 588.9 | 588.1 | 587.3 | 586.5 | 586.5 |
| 170° | 591.9 | 592.5 | 593.3 | 593.9 | 594.6 | 594.5 | 593.8 | 593.0 | 592.2 | 591.4 | 591.5 |
| 172.5° | 595.6 | 596.2 | 596.9 | 597.6 | 598.2 | 598.2 | 597.4 | 596.6 | 595.8 | 595.0 | 595.1 |
| 175° | 599.5 | 600.2 | 600.8 | 601.5 | 602.3 | 602.2 | 601.4 | 600.6 | 599.8 | 599.0 | 599.2 |
| 177.5° | 601.4 | 601.9 | 602.4 | 603.0 | 603.5 | 603.5 | 603.0 | 602.4 | 601.9 | 601.4 | 601.5 |
| 180° | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 |



TEST NUMBER: P331622-940

CATALOG NUMBER: SA2XXRDIP-C290D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 |
| 2.5° | 596.9 | 595.6 | 594.4 | 591.6 | 590.0 | 586.8 | 586.4 | 586.2 | 582.0 | 577.9 | 576.8 |
| 5° | 617.4 | 614.1 | 609.3 | 603.6 | 597.7 | 591.7 | 587.6 | 584.3 | 576.2 | 568.6 | 564.1 |
| 7.5° | 638.0 | 631.1 | 622.7 | 612.0 | 603.0 | 593.0 | 585.5 | 578.8 | 567.3 | 556.2 | 548.8 |
| 10° | 653.4 | 642.1 | 631.0 | 616.2 | 604.6 | 593.3 | 582.7 | 573.6 | 560.7 | 546.1 | 535.7 |
| 12.5° | 663.0 | 650.5 | 635.2 | 620.7 | 605.7 | 591.3 | 577.2 | 565.5 | 550.3 | 535.2 | 523.0 |
| 15° | 675.9 | 662.5 | 643.9 | 623.2 | 604.0 | 585.1 | 569.0 | 554.4 | 534.6 | 516.5 | 501.5 |
| 17.5° | 686.5 | 668.1 | 648.1 | 624.2 | 601.9 | 578.0 | 557.1 | 538.5 | 516.4 | 494.6 | 477.0 |
| 20° | 689.9 | 671.6 | 648.5 | 624.6 | 598.3 | 570.2 | 547.7 | 527.4 | 503.7 | 480.0 | 459.8 |
| 22.5° | 687.8 | 673.6 | 647.9 | 619.3 | 592.4 | 562.9 | 537.5 | 514.0 | 487.7 | 463.5 | 440.1 |
| 25° | 673.5 | 668.6 | 644.4 | 613.1 | 582.4 | 548.1 | 518.7 | 493.0 | 463.1 | 437.1 | 411.6 |
| 27.5° | 640.2 | 650.7 | 635.6 | 602.4 | 568.1 | 531.5 | 498.4 | 469.1 | 438.0 | 408.8 | 383.4 |
| 30° | 608.1 | 632.1 | 625.7 | 594.9 | 556.6 | 520.6 | 483.5 | 452.9 | 419.7 | 389.7 | 364.6 |
| 32.5° | 564.2 | 604.0 | 610.3 | 584.5 | 544.9 | 505.3 | 466.5 | 436.0 | 401.4 | 369.8 | 345.3 |
| 35° | 494.2 | 553.8 | 581.1 | 564.7 | 525.0 | 482.2 | 442.2 | 406.7 | 371.8 | 340.7 | 316.4 |
| 37.5° | 410.8 | 492.0 | 537.5 | 538.7 | 502.2 | 457.8 | 414.1 | 378.9 | 343.2 | 312.6 | 286.3 |
| 40° | 356.7 | 444.6 | 504.0 | 517.1 | 486.3 | 438.4 | 394.1 | 358.3 | 323.5 | 293.5 | 263.3 |
| 42.5° | 308.1 | 395.7 | 468.6 | 491.5 | 467.1 | 419.4 | 375.1 | 337.6 | 303.7 | 275.4 | 244.5 |
| 45° | 249.1 | 325.7 | 406.1 | 447.0 | 433.5 | 389.3 | 342.5 | 306.8 | 275.1 | 250.6 | 221.0 |
| 47.5° | 210.2 | 264.1 | 342.0 | 397.3 | 397.1 | 356.8 | 310.7 | 276.6 | 247.1 | 224.1 | 200.2 |
| 50° | 188.0 | 235.0 | 300.8 | 363.6 | 368.8 | 335.0 | 291.2 | 257.4 | 229.9 | 205.8 | 186.5 |
| 52.5° | 168.0 | 206.8 | 265.9 | 326.2 | 341.2 | 311.8 | 269.4 | 238.2 | 211.4 | 189.2 | 172.8 |
| 55° | 142.0 | 172.0 | 217.0 | 273.2 | 296.0 | 275.3 | 237.6 | 208.4 | 186.7 | 168.1 | 153.9 |
| 57.5° | 120.1 | 142.6 | 178.7 | 224.0 | 250.4 | 237.5 | 206.3 | 182.6 | 164.1 | 147.2 | 136.1 |
| 60° | 106.4 | 124.8 | 155.3 | 193.2 | 222.4 | 213.3 | 186.7 | 164.7 | 148.9 | 134.3 | 123.8 |
| 62.5° | 93.4 | 109.2 | 135.5 | 166.2 | 192.9 | 189.1 | 167.5 | 148.9 | 135.1 | 121.8 | 112.9 |
| 65° | 75.2 | 86.7 | 107.2 | 131.3 | 152.8 | 154.5 | 138.9 | 126.4 | 114.0 | 103.5 | 95.6 |
| 67.5° | 59.8 | 67.4 | 81.8 | 102.1 | 118.2 | 123.9 | 114.4 | 104.8 | 95.0 | 86.9 | 80.0 |
| 70° | 50.5 | 56.5 | 67.1 | 83.5 | 98.3 | 104.3 | 98.8 | 91.3 | 82.8 | 76.2 | 70.3 |
| 72.5° | 40.8 | 46.8 | 54.6 | 66.6 | 79.3 | 85.9 | 83.9 | 78.6 | 71.7 | 66.1 | 60.5 |
| 75° | 30.8 | 32.6 | 37.9 | 46.0 | 55.9 | 61.6 | 63.0 | 60.2 | 54.7 | 50.5 | 47.2 |
| 77.5° | 22.7 | 23.9 | 26.4 | 30.6 | 37.1 | 42.2 | 44.2 | 43.9 | 40.1 | 37.7 | 34.6 |
| 80° | 18.2 | 18.8 | 20.1 | 21.8 | 26.8 | 31.8 | 33.3 | 33.3 | 30.6 | 29.6 | 26.6 |
| 82.5° | 13.8 | 14.3 | 15.1 | 16.1 | 18.3 | 22.7 | 24.3 | 24.6 | 23.0 | 21.7 | 19.3 |
| 85° | 7.9 | 7.7 | 8.1 | 8.7 | 9.1 | 10.3 | 12.8 | 13.2 | 12.8 | 11.1 | 10.5 |
| 87.5° | 5.4 | 5.0 | 4.5 | 3.9 | 3.8 | 3.7 | 4.3 | 4.8 | 4.5 | 4.2 | 4.2 |
| 90° | 12.8 | 10.3 | 7.8 | 6.0 | 4.5 | 3.2 | 1.9 | 0.5 | 1.9 | 3.2 | 4.5 |
| 92.5° | 15.0 | 14.4 | 13.8 | 13.0 | 12.0 | 11.1 | 10.1 | 9.1 | 10.1 | 11.1 | 12.0 |
| 95° | 32.1 | 31.8 | 31.7 | 30.9 | 29.9 | 28.7 | 27.6 | 26.5 | 27.6 | 28.7 | 29.9 |
| 97.5° | 53.9 | 53.4 | 53.0 | 52.3 | 51.3 | 50.3 | 49.3 | 48.3 | 49.3 | 50.3 | 51.3 |
| 100° | 69.5 | 69.2 | 68.8 | 68.2 | 67.3 | 66.3 | 65.5 | 64.6 | 65.5 | 66.3 | 67.3 |
| 102.5° | 86.0 | 85.6 | 85.2 | 84.5 | 83.8 | 83.1 | 82.4 | 81.7 | 82.4 | 83.1 | 83.8 |
| 105° | 111.4 | 111.2 | 110.9 | 110.7 | 110.3 | 110.0 | 109.7 | 109.3 | 109.7 | 110.0 | 110.3 |
| 107.5° | 139.5 | 139.5 | 139.5 | 139.2 | 138.7 | 138.2 | 137.7 | 137.2 | 137.7 | 138.2 | 138.7 |
| 110° | 158.1 | 158.1 | 158.1 | 157.8 | 157.1 | 156.4 | 155.8 | 155.1 | 155.8 | 156.4 | 157.1 |



TEST NUMBER: P331622-940

CATALOG NUMBER: SA2XXRDIP-C290D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 177.5 | 177.5 | 177.6 | 177.4 | 176.6 | 175.9 | 175.3 | 174.6 | 175.3 | 175.9 | 176.6 |
| 115° | 205.9 | 206.1 | 206.3 | 206.1 | 205.5 | 204.7 | 204.1 | 203.4 | 204.1 | 204.7 | 205.5 |
| 117.5° | 234.5 | 235.2 | 235.9 | 235.7 | 234.8 | 233.9 | 233.0 | 232.1 | 233.0 | 233.9 | 234.8 |
| 120° | 253.0 | 253.9 | 254.9 | 254.9 | 253.9 | 253.0 | 252.1 | 251.2 | 252.1 | 253.0 | 253.9 |
| 122.5° | 272.0 | 272.6 | 273.2 | 273.0 | 272.0 | 270.9 | 269.7 | 268.7 | 269.7 | 270.9 | 272.0 |
| 125° | 299.7 | 300.0 | 300.3 | 300.0 | 299.0 | 298.0 | 296.9 | 296.0 | 296.9 | 298.0 | 299.0 |
| 127.5° | 327.3 | 327.7 | 328.1 | 327.6 | 326.4 | 325.0 | 323.8 | 322.4 | 323.8 | 325.0 | 326.4 |
| 130° | 345.2 | 345.4 | 345.6 | 345.0 | 343.6 | 342.1 | 340.6 | 339.2 | 340.6 | 342.1 | 343.6 |
| 132.5° | 363.4 | 363.4 | 363.3 | 362.7 | 361.5 | 360.3 | 359.1 | 357.8 | 359.1 | 360.3 | 361.5 |
| 135° | 389.1 | 388.8 | 388.6 | 387.9 | 386.6 | 385.4 | 384.1 | 382.9 | 384.1 | 385.4 | 386.6 |
| 137.5° | 414.6 | 414.3 | 413.9 | 413.3 | 412.3 | 411.3 | 410.3 | 409.2 | 410.3 | 411.3 | 412.3 |
| 140° | 431.1 | 430.5 | 430.0 | 429.2 | 428.1 | 427.1 | 426.1 | 425.1 | 426.1 | 427.1 | 428.1 |
| 142.5° | 446.9 | 446.6 | 446.1 | 445.4 | 444.4 | 443.4 | 442.4 | 441.4 | 442.4 | 443.4 | 444.4 |
| 145° | 470.0 | 469.3 | 468.7 | 468.0 | 467.2 | 466.4 | 465.6 | 464.8 | 465.6 | 466.4 | 467.2 |
| 147.5° | 491.0 | 490.5 | 490.1 | 489.4 | 488.5 | 487.5 | 486.5 | 485.6 | 486.5 | 487.5 | 488.5 |
| 150° | 504.0 | 503.5 | 503.1 | 502.6 | 501.9 | 501.2 | 500.5 | 499.9 | 500.5 | 501.2 | 501.9 |
| 152.5° | 516.8 | 516.3 | 515.8 | 515.1 | 514.5 | 513.8 | 513.2 | 512.5 | 513.2 | 513.8 | 514.5 |
| 155° | 533.8 | 533.4 | 533.1 | 532.7 | 532.4 | 532.1 | 531.7 | 531.4 | 531.7 | 532.1 | 532.4 |
| 157.5° | 549.1 | 548.8 | 548.7 | 548.5 | 548.2 | 548.0 | 547.8 | 547.5 | 547.8 | 548.0 | 548.2 |
| 160° | 558.6 | 558.5 | 558.4 | 558.2 | 557.9 | 557.8 | 557.5 | 557.3 | 557.5 | 557.8 | 557.9 |
| 162.5° | 566.8 | 566.6 | 566.5 | 566.4 | 566.4 | 566.3 | 566.3 | 566.2 | 566.3 | 566.3 | 566.4 |
| 165° | 577.7 | 577.7 | 577.7 | 577.7 | 577.8 | 577.9 | 578.0 | 578.2 | 578.0 | 577.9 | 577.8 |
| 167.5° | 586.6 | 586.6 | 586.6 | 586.7 | 587.1 | 587.5 | 587.8 | 588.1 | 587.8 | 587.5 | 587.1 |
| 170° | 591.6 | 591.7 | 591.8 | 592.1 | 592.4 | 592.7 | 593.1 | 593.4 | 593.1 | 592.7 | 592.4 |
| 172.5° | 595.3 | 595.4 | 595.5 | 595.8 | 596.0 | 596.4 | 596.7 | 597.1 | 596.7 | 596.4 | 596.0 |
| 175° | 599.5 | 599.7 | 599.9 | 600.2 | 600.6 | 600.8 | 601.2 | 601.5 | 601.2 | 600.8 | 600.6 |
| 177.5° | 601.7 | 601.9 | 602.1 | 602.3 | 602.5 | 602.8 | 603.1 | 603.4 | 603.1 | 602.8 | 602.5 |
| 180° | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 |



TEST NUMBER: P331622-940

CATALOG NUMBER: SA2XXRDIP-C290D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 |
| 2.5° | 574.7 | 573.5 | 571.4 | 568.2 | 566.2 | 562.8 | 560.6 | 561.9 | 562.2 | 561.9 | 561.6 |
| 5° | 559.3 | 555.0 | 549.1 | 543.4 | 538.1 | 532.5 | 529.2 | 527.9 | 525.0 | 523.4 | 522.5 |
| 7.5° | 540.6 | 533.2 | 525.0 | 515.1 | 506.7 | 497.8 | 493.4 | 491.2 | 485.4 | 482.2 | 479.5 |
| 10° | 526.6 | 515.1 | 506.8 | 493.8 | 485.9 | 474.4 | 466.5 | 466.7 | 458.8 | 454.3 | 451.1 |
| 12.5° | 511.2 | 498.6 | 484.7 | 473.1 | 462.1 | 452.8 | 443.3 | 439.4 | 431.1 | 426.8 | 418.0 |
| 15° | 485.7 | 470.9 | 456.4 | 440.6 | 429.4 | 415.0 | 401.3 | 384.4 | 370.9 | 359.1 | 355.9 |
| 17.5° | 457.9 | 439.5 | 424.9 | 406.4 | 387.3 | 363.1 | 347.1 | 337.3 | 329.2 | 323.0 | 318.3 |
| 20° | 438.7 | 420.1 | 404.5 | 376.6 | 350.8 | 334.4 | 322.7 | 315.1 | 306.7 | 300.0 | 296.3 |
| 22.5° | 418.7 | 399.2 | 377.9 | 346.7 | 326.6 | 313.5 | 303.1 | 294.4 | 288.6 | 283.5 | 280.1 |
| 25° | 390.1 | 368.8 | 333.8 | 312.4 | 296.1 | 282.3 | 275.1 | 269.8 | 263.8 | 256.6 | 253.4 |
| 27.5° | 360.0 | 326.2 | 301.0 | 285.0 | 269.6 | 260.6 | 254.0 | 246.2 | 240.8 | 237.6 | 234.2 |
| 30° | 337.4 | 303.6 | 284.0 | 266.5 | 255.7 | 245.7 | 238.0 | 233.5 | 228.3 | 222.8 | 220.6 |
| 32.5° | 312.4 | 285.3 | 266.4 | 252.0 | 240.9 | 232.4 | 226.3 | 219.1 | 215.3 | 212.0 | 207.3 |
| 35° | 281.2 | 260.6 | 243.4 | 231.8 | 221.1 | 214.3 | 207.2 | 203.0 | 196.1 | 193.2 | 191.5 |
| 37.5° | 254.8 | 237.0 | 224.2 | 211.8 | 203.4 | 195.8 | 191.5 | 184.7 | 181.7 | 177.7 | 173.9 |
| 40° | 239.8 | 222.4 | 210.1 | 199.9 | 190.6 | 184.9 | 179.5 | 174.0 | 169.5 | 167.7 | 163.1 |
| 42.5° | 224.6 | 210.4 | 198.0 | 187.0 | 180.7 | 174.7 | 167.8 | 163.8 | 159.2 | 156.2 | 153.4 |
| 45° | 203.6 | 191.0 | 180.5 | 171.4 | 164.4 | 158.2 | 153.7 | 147.0 | 144.5 | 138.6 | 136.1 |
| 47.5° | 185.1 | 173.4 | 163.4 | 154.7 | 148.0 | 143.9 | 137.4 | 132.2 | 128.0 | 124.3 | 121.2 |
| 50° | 172.0 | 162.2 | 152.5 | 144.8 | 138.8 | 132.9 | 126.2 | 123.6 | 117.1 | 115.2 | 113.4 |
| 52.5° | 160.0 | 150.7 | 141.9 | 134.3 | 128.2 | 122.5 | 116.6 | 113.2 | 108.8 | 107.0 | 105.7 |
| 55° | 143.2 | 134.3 | 125.8 | 119.1 | 113.1 | 107.2 | 103.5 | 99.2 | 97.2 | 95.8 | 94.2 |
| 57.5° | 126.4 | 118.3 | 111.8 | 105.0 | 98.9 | 94.3 | 90.1 | 87.5 | 85.4 | 83.6 | 81.6 |
| 60° | 115.7 | 108.0 | 102.1 | 95.8 | 89.5 | 85.7 | 82.5 | 79.4 | 77.0 | 74.1 | 73.3 |
| 62.5° | 104.3 | 97.6 | 92.2 | 86.1 | 80.6 | 77.1 | 74.0 | 71.2 | 68.2 | 64.1 | 63.0 |
| 65° | 88.7 | 83.5 | 77.8 | 72.7 | 67.9 | 64.4 | 59.9 | 56.7 | 55.5 | 55.1 | 54.9 |
| 67.5° | 74.6 | 69.6 | 64.7 | 59.6 | 55.2 | 52.0 | 49.7 | 49.2 | 48.3 | 48.2 | 47.5 |
| 70° | 65.2 | 60.5 | 55.7 | 50.8 | 46.5 | 46.0 | 45.2 | 44.3 | 43.3 | 43.0 | 42.5 |
| 72.5° | 56.8 | 52.0 | 47.1 | 43.2 | 41.4 | 40.7 | 39.9 | 39.0 | 38.3 | 37.9 | 37.7 |
| 75° | 43.5 | 39.1 | 35.8 | 34.4 | 33.4 | 32.8 | 31.6 | 31.0 | 30.6 | 30.0 | 29.8 |
| 77.5° | 31.4 | 28.8 | 27.4 | 26.5 | 25.4 | 24.8 | 24.1 | 23.5 | 23.0 | 22.9 | 22.6 |
| 80° | 23.9 | 22.6 | 21.7 | 20.4 | 20.1 | 19.3 | 19.1 | 18.5 | 18.6 | 18.0 | 18.0 |
| 82.5° | 18.5 | 17.0 | 16.1 | 15.6 | 15.2 | 14.5 | 14.4 | 14.1 | 14.1 | 13.6 | 13.6 |
| 85° | 9.5 | 9.1 | 8.7 | 8.3 | 8.3 | 7.7 | 7.9 | 7.7 | 7.7 | 7.3 | 7.1 |
| 87.5° | 4.3 | 4.5 | 4.6 | 5.2 | 5.6 | 6.0 | 6.0 | 5.7 | 5.7 | 5.6 | 5.4 |
| 90° | 6.0 | 7.8 | 10.3 | 12.8 | 15.3 | 17.8 | 17.6 | 17.4 | 17.1 | 16.9 | 16.9 |
| 92.5° | 13.0 | 13.8 | 14.4 | 15.0 | 15.6 | 16.1 | 16.2 | 16.2 | 16.3 | 16.3 | 16.4 |
| 95° | 30.9 | 31.7 | 31.8 | 32.1 | 32.3 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 |
| 97.5° | 52.3 | 53.0 | 53.4 | 53.9 | 54.3 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.7 |
| 100° | 68.2 | 68.8 | 69.2 | 69.5 | 69.8 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.1 |
| 102.5° | 84.5 | 85.2 | 85.6 | 86.0 | 86.4 | 86.9 | 86.9 | 87.0 | 87.1 | 87.2 | 87.2 |
| 105° | 110.7 | 110.9 | 111.2 | 111.4 | 111.6 | 111.9 | 112.1 | 112.4 | 112.5 | 112.8 | 112.9 |
| 107.5° | 139.2 | 139.5 | 139.5 | 139.5 | 139.5 | 139.5 | 139.6 | 139.6 | 139.7 | 139.8 | 139.6 |
| 110° | 157.8 | 158.1 | 158.1 | 158.1 | 158.1 | 158.1 | 158.1 | 158.1 | 158.1 | 158.1 | 158.0 |



TEST NUMBER: P331622-940

CATALOG NUMBER: SA2XXRDIP-C290D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 177.4 | 177.6 | 177.5 | 177.5 | 177.4 | 177.3 | 177.0 | 176.7 | 176.5 | 176.2 | 175.9 |
| 115° | 206.1 | 206.3 | 206.1 | 205.9 | 205.6 | 205.5 | 205.4 | 205.2 | 205.1 | 205.0 | 204.7 |
| 117.5° | 235.7 | 235.9 | 235.2 | 234.5 | 233.9 | 233.3 | 233.0 | 232.7 | 232.5 | 232.2 | 231.9 |
| 120° | 254.9 | 254.9 | 253.9 | 253.0 | 252.1 | 251.2 | 251.2 | 251.2 | 251.2 | 251.2 | 251.0 |
| 122.5° | 273.0 | 273.2 | 272.6 | 272.0 | 271.3 | 270.7 | 270.5 | 270.2 | 269.9 | 269.7 | 269.4 |
| 125° | 300.0 | 300.3 | 300.0 | 299.7 | 299.3 | 299.0 | 298.6 | 298.3 | 298.0 | 297.7 | 297.4 |
| 127.5° | 327.6 | 328.1 | 327.7 | 327.3 | 326.9 | 326.5 | 326.0 | 325.7 | 325.2 | 324.9 | 324.4 |
| 130° | 345.0 | 345.6 | 345.4 | 345.2 | 345.0 | 344.7 | 344.6 | 344.3 | 344.1 | 343.8 | 343.5 |
| 132.5° | 362.7 | 363.3 | 363.4 | 363.4 | 363.5 | 363.5 | 363.0 | 362.5 | 361.9 | 361.5 | 361.1 |
| 135° | 387.9 | 388.6 | 388.8 | 389.1 | 389.3 | 389.5 | 389.4 | 389.3 | 389.1 | 389.1 | 388.8 |
| 137.5° | 413.3 | 413.9 | 414.3 | 414.6 | 414.8 | 415.1 | 415.0 | 414.9 | 414.8 | 414.7 | 414.5 |
| 140° | 429.2 | 430.0 | 430.5 | 431.1 | 431.7 | 432.2 | 432.2 | 432.2 | 432.2 | 432.2 | 432.0 |
| 142.5° | 445.4 | 446.1 | 446.6 | 446.9 | 447.3 | 447.6 | 447.7 | 447.8 | 447.9 | 448.0 | 447.8 |
| 145° | 468.0 | 468.7 | 469.3 | 470.0 | 470.7 | 471.4 | 471.4 | 471.6 | 471.7 | 471.8 | 471.6 |
| 147.5° | 489.4 | 490.1 | 490.5 | 491.0 | 491.4 | 492.0 | 492.1 | 492.4 | 492.7 | 492.9 | 492.8 |
| 150° | 502.6 | 503.1 | 503.5 | 504.0 | 504.4 | 505.0 | 505.2 | 505.6 | 506.0 | 506.3 | 506.3 |
| 152.5° | 515.1 | 515.8 | 516.3 | 516.8 | 517.4 | 518.0 | 518.4 | 518.8 | 519.2 | 519.7 | 519.7 |
| 155° | 532.7 | 533.1 | 533.4 | 533.8 | 534.0 | 534.4 | 535.0 | 535.6 | 536.1 | 536.7 | 536.8 |
| 157.5° | 548.5 | 548.7 | 548.8 | 549.1 | 549.3 | 549.5 | 550.3 | 551.0 | 551.8 | 552.6 | 552.7 |
| 160° | 558.2 | 558.4 | 558.5 | 558.6 | 558.7 | 558.8 | 559.5 | 560.2 | 560.9 | 561.5 | 561.7 |
| 162.5° | 566.4 | 566.5 | 566.6 | 566.8 | 566.9 | 566.9 | 567.8 | 568.5 | 569.3 | 570.1 | 570.2 |
| 165° | 577.7 | 577.7 | 577.7 | 577.7 | 577.7 | 577.7 | 578.5 | 579.3 | 580.1 | 580.8 | 580.9 |
| 167.5° | 586.7 | 586.6 | 586.6 | 586.6 | 586.5 | 586.5 | 587.3 | 588.1 | 588.9 | 589.7 | 589.8 |
| 170° | 592.1 | 591.8 | 591.7 | 591.6 | 591.5 | 591.4 | 592.2 | 593.0 | 593.8 | 594.5 | 594.6 |
| 172.5° | 595.8 | 595.5 | 595.4 | 595.3 | 595.1 | 595.0 | 595.8 | 596.6 | 597.4 | 598.2 | 598.2 |
| 175° | 600.2 | 599.9 | 599.7 | 599.5 | 599.2 | 599.0 | 599.8 | 600.6 | 601.4 | 602.2 | 602.3 |
| 177.5° | 602.3 | 602.1 | 601.9 | 601.7 | 601.5 | 601.4 | 601.9 | 602.4 | 603.0 | 603.5 | 603.5 |
| 180° | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 |



TEST NUMBER: P331622-940

CATALOG NUMBER: SA2XXRDIP-C290D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 |
| 2.5° | 559.8 | 560.1 | 559.6 | 559.9 | 559.6 | 560.1 | 559.8 | 561.6 | 561.9 | 562.2 | 561.9 |
| 5° | 521.6 | 519.2 | 518.7 | 518.2 | 518.7 | 519.2 | 521.6 | 522.5 | 523.4 | 525.0 | 527.9 |
| 7.5° | 476.0 | 475.6 | 474.6 | 473.1 | 474.6 | 475.6 | 476.0 | 479.5 | 482.2 | 485.4 | 491.2 |
| 10° | 446.7 | 445.6 | 445.4 | 444.0 | 445.4 | 445.6 | 446.7 | 451.1 | 454.3 | 458.8 | 466.7 |
| 12.5° | 412.2 | 405.7 | 405.1 | 401.5 | 405.1 | 405.7 | 412.2 | 418.0 | 426.8 | 431.1 | 439.4 |
| 15° | 351.1 | 349.8 | 345.7 | 343.1 | 345.7 | 349.8 | 351.1 | 355.9 | 359.1 | 370.9 | 384.4 |
| 17.5° | 316.0 | 312.0 | 310.8 | 310.2 | 310.8 | 312.0 | 316.0 | 318.3 | 323.0 | 329.2 | 337.3 |
| 20° | 293.5 | 289.9 | 289.3 | 288.8 | 289.3 | 289.9 | 293.5 | 296.3 | 300.0 | 306.7 | 315.1 |
| 22.5° | 277.9 | 274.1 | 272.6 | 271.3 | 272.6 | 274.1 | 277.9 | 280.1 | 283.5 | 288.6 | 294.4 |
| 25° | 251.4 | 249.9 | 249.1 | 248.7 | 249.1 | 249.9 | 251.4 | 253.4 | 256.6 | 263.8 | 269.8 |
| 27.5° | 230.6 | 227.5 | 226.9 | 225.8 | 226.9 | 227.5 | 230.6 | 234.2 | 237.6 | 240.8 | 246.2 |
| 30° | 218.7 | 217.8 | 216.3 | 215.1 | 216.3 | 217.8 | 218.7 | 220.6 | 222.8 | 228.3 | 233.5 |
| 32.5° | 204.8 | 203.9 | 202.7 | 202.2 | 202.7 | 203.9 | 204.8 | 207.3 | 212.0 | 215.3 | 219.1 |
| 35° | 189.4 | 186.5 | 185.3 | 183.5 | 185.3 | 186.5 | 189.4 | 191.5 | 193.2 | 196.1 | 203.0 |
| 37.5° | 173.1 | 171.6 | 169.9 | 170.5 | 169.9 | 171.6 | 173.1 | 173.9 | 177.7 | 181.7 | 184.7 |
| 40° | 160.4 | 159.4 | 159.0 | 158.8 | 159.0 | 159.4 | 160.4 | 163.1 | 167.7 | 169.5 | 174.0 |
| 42.5° | 150.3 | 147.6 | 146.5 | 146.5 | 146.5 | 147.6 | 150.3 | 153.4 | 156.2 | 159.2 | 163.8 |
| 45° | 135.1 | 132.5 | 130.6 | 130.8 | 130.6 | 132.5 | 135.1 | 136.1 | 138.6 | 144.5 | 147.0 |
| 47.5° | 119.5 | 119.4 | 118.2 | 118.6 | 118.2 | 119.4 | 119.5 | 121.2 | 124.3 | 128.0 | 132.2 |
| 50° | 112.0 | 110.8 | 109.9 | 110.2 | 109.9 | 110.8 | 112.0 | 113.4 | 115.2 | 117.1 | 123.6 |
| 52.5° | 104.9 | 103.8 | 103.2 | 104.1 | 103.2 | 103.8 | 104.9 | 105.7 | 107.0 | 108.8 | 113.2 |
| 55° | 93.2 | 91.9 | 91.8 | 91.6 | 91.8 | 91.9 | 93.2 | 94.2 | 95.8 | 97.2 | 99.2 |
| 57.5° | 80.1 | 79.3 | 78.0 | 77.6 | 78.0 | 79.3 | 80.1 | 81.6 | 83.6 | 85.4 | 87.5 |
| 60° | 70.7 | 69.1 | 67.1 | 66.9 | 67.1 | 69.1 | 70.7 | 73.3 | 74.1 | 77.0 | 79.4 |
| 62.5° | 62.1 | 61.8 | 61.3 | 61.3 | 61.3 | 61.8 | 62.1 | 63.0 | 64.1 | 68.2 | 71.2 |
| 65° | 54.5 | 54.3 | 54.5 | 54.7 | 54.5 | 54.3 | 54.5 | 54.9 | 55.1 | 55.5 | 56.7 |
| 67.5° | 47.4 | 47.1 | 46.7 | 46.9 | 46.7 | 47.1 | 47.4 | 47.5 | 48.2 | 48.3 | 49.2 |
| 70° | 42.1 | 41.9 | 41.7 | 41.7 | 41.7 | 41.9 | 42.1 | 42.5 | 43.0 | 43.3 | 44.3 |
| 72.5° | 36.9 | 36.9 | 36.7 | 36.6 | 36.7 | 36.9 | 36.9 | 37.7 | 37.9 | 38.3 | 39.0 |
| 75° | 29.6 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 | 29.6 | 29.8 | 30.0 | 30.6 | 31.0 |
| 77.5° | 22.6 | 22.3 | 22.1 | 21.9 | 22.1 | 22.3 | 22.6 | 22.6 | 22.9 | 23.0 | 23.5 |
| 80° | 17.8 | 17.7 | 17.4 | 17.4 | 17.4 | 17.7 | 17.8 | 18.0 | 18.0 | 18.6 | 18.5 |
| 82.5° | 13.6 | 13.4 | 13.4 | 13.2 | 13.4 | 13.4 | 13.6 | 13.6 | 13.6 | 14.1 | 14.1 |
| 85° | 7.3 | 7.5 | 7.3 | 7.7 | 7.3 | 7.5 | 7.3 | 7.1 | 7.3 | 7.7 | 7.7 |
| 87.5° | 5.5 | 5.4 | 5.5 | 5.4 | 5.5 | 5.4 | 5.5 | 5.4 | 5.6 | 5.7 | 5.7 |
| 90° | 16.9 | 17.0 | 17.2 | 17.3 | 17.2 | 17.0 | 16.9 | 16.9 | 16.9 | 17.1 | 17.4 |
| 92.5° | 16.4 | 16.4 | 16.5 | 16.5 | 16.5 | 16.4 | 16.4 | 16.4 | 16.3 | 16.3 | 16.2 |
| 95° | 32.2 | 32.0 | 31.7 | 31.6 | 31.7 | 32.0 | 32.2 | 32.5 | 32.5 | 32.5 | 32.5 |
| 97.5° | 54.7 | 54.7 | 54.7 | 54.6 | 54.7 | 54.7 | 54.7 | 54.7 | 54.8 | 54.8 | 54.8 |
| 100° | 70.0 | 69.9 | 69.8 | 69.6 | 69.8 | 69.9 | 70.0 | 70.1 | 70.2 | 70.2 | 70.2 |
| 102.5° | 87.1 | 86.9 | 86.9 | 86.8 | 86.9 | 86.9 | 87.1 | 87.2 | 87.2 | 87.1 | 87.0 |
| 105° | 112.9 | 112.9 | 112.9 | 112.9 | 112.9 | 112.9 | 112.9 | 112.9 | 112.8 | 112.5 | 112.4 |
| 107.5° | 139.0 | 138.6 | 138.0 | 137.5 | 138.0 | 138.6 | 139.0 | 139.6 | 139.8 | 139.7 | 139.6 |
| 110° | 157.7 | 157.3 | 156.9 | 156.6 | 156.9 | 157.3 | 157.7 | 158.0 | 158.1 | 158.1 | 158.1 |



TEST NUMBER: P331622-940

CATALOG NUMBER: SA2XXRDIP-C290D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 175.7 | 175.4 | 175.1 | 175.0 | 175.1 | 175.4 | 175.7 | 175.9 | 176.2 | 176.5 | 176.7 |
| 115° | 204.4 | 204.1 | 203.8 | 203.4 | 203.8 | 204.1 | 204.4 | 204.7 | 205.0 | 205.1 | 205.2 |
| 117.5° | 231.6 | 231.2 | 230.9 | 230.5 | 230.9 | 231.2 | 231.6 | 231.9 | 232.2 | 232.5 | 232.7 |
| 120° | 250.7 | 250.4 | 250.0 | 249.7 | 250.0 | 250.4 | 250.7 | 251.0 | 251.2 | 251.2 | 251.2 |
| 122.5° | 269.1 | 268.9 | 268.7 | 268.4 | 268.7 | 268.9 | 269.1 | 269.4 | 269.7 | 269.9 | 270.2 |
| 125° | 297.3 | 297.2 | 297.0 | 296.9 | 297.0 | 297.2 | 297.3 | 297.4 | 297.7 | 298.0 | 298.3 |
| 127.5° | 324.0 | 323.7 | 323.3 | 323.0 | 323.3 | 323.7 | 324.0 | 324.4 | 324.9 | 325.2 | 325.7 |
| 130° | 343.0 | 342.6 | 342.1 | 341.7 | 342.1 | 342.6 | 343.0 | 343.5 | 343.8 | 344.1 | 344.3 |
| 132.5° | 360.7 | 360.3 | 360.0 | 359.6 | 360.0 | 360.3 | 360.7 | 361.1 | 361.5 | 361.9 | 362.5 |
| 135° | 388.5 | 388.2 | 387.8 | 387.4 | 387.8 | 388.2 | 388.5 | 388.8 | 389.1 | 389.1 | 389.3 |
| 137.5° | 414.0 | 413.6 | 413.1 | 412.7 | 413.1 | 413.6 | 414.0 | 414.5 | 414.7 | 414.8 | 414.9 |
| 140° | 431.5 | 431.1 | 430.6 | 430.2 | 430.6 | 431.1 | 431.5 | 432.0 | 432.2 | 432.2 | 432.2 |
| 142.5° | 447.4 | 446.9 | 446.5 | 446.0 | 446.5 | 446.9 | 447.4 | 447.8 | 448.0 | 447.9 | 447.8 |
| 145° | 471.2 | 470.7 | 470.3 | 469.8 | 470.3 | 470.7 | 471.2 | 471.6 | 471.8 | 471.7 | 471.6 |
| 147.5° | 492.4 | 492.0 | 491.5 | 491.1 | 491.5 | 492.0 | 492.4 | 492.8 | 492.9 | 492.7 | 492.4 |
| 150° | 506.0 | 505.6 | 505.2 | 505.0 | 505.2 | 505.6 | 506.0 | 506.3 | 506.3 | 506.0 | 505.6 |
| 152.5° | 519.2 | 518.8 | 518.4 | 518.0 | 518.4 | 518.8 | 519.2 | 519.7 | 519.7 | 519.2 | 518.8 |
| 155° | 536.5 | 536.1 | 535.7 | 535.5 | 535.7 | 536.1 | 536.5 | 536.8 | 536.7 | 536.1 | 535.6 |
| 157.5° | 552.1 | 551.6 | 551.1 | 550.5 | 551.1 | 551.6 | 552.1 | 552.7 | 552.6 | 551.8 | 551.0 |
| 160° | 561.2 | 560.8 | 560.3 | 559.8 | 560.3 | 560.8 | 561.2 | 561.7 | 561.5 | 560.9 | 560.2 |
| 162.5° | 569.6 | 569.1 | 568.6 | 568.0 | 568.6 | 569.1 | 569.6 | 570.2 | 570.1 | 569.3 | 568.5 |
| 165° | 580.3 | 579.8 | 579.3 | 578.6 | 579.3 | 579.8 | 580.3 | 580.9 | 580.8 | 580.1 | 579.3 |
| 167.5° | 589.2 | 588.6 | 588.0 | 587.4 | 588.0 | 588.6 | 589.2 | 589.8 | 589.7 | 588.9 | 588.1 |
| 170° | 593.9 | 593.3 | 592.5 | 591.9 | 592.5 | 593.3 | 593.9 | 594.6 | 594.5 | 593.8 | 593.0 |
| 172.5° | 597.6 | 596.9 | 596.2 | 595.6 | 596.2 | 596.9 | 597.6 | 598.2 | 598.2 | 597.4 | 596.6 |
| 175° | 601.5 | 600.8 | 600.2 | 599.5 | 600.2 | 600.8 | 601.5 | 602.3 | 602.2 | 601.4 | 600.6 |
| 177.5° | 603.0 | 602.4 | 601.9 | 601.4 | 601.9 | 602.4 | 603.0 | 603.5 | 603.5 | 603.0 | 602.4 |
| 180° | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 |



TEST NUMBER: P331622-940

CATALOG NUMBER: SA2XXRDIP-C290D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 |
| 2.5° | 560.6 | 562.8 | 566.2 | 568.2 | 571.4 | 573.5 | 574.7 | 576.8 | 577.9 | 582.0 | 586.2 |
| 5° | 529.2 | 532.5 | 538.1 | 543.4 | 549.1 | 555.0 | 559.3 | 564.1 | 568.6 | 576.2 | 584.3 |
| 7.5° | 493.4 | 497.8 | 506.7 | 515.1 | 525.0 | 533.2 | 540.6 | 548.8 | 556.2 | 567.3 | 578.8 |
| 10° | 466.5 | 474.4 | 485.9 | 493.8 | 506.8 | 515.1 | 526.6 | 535.7 | 546.1 | 560.7 | 573.6 |
| 12.5° | 443.3 | 452.8 | 462.1 | 473.1 | 484.7 | 498.6 | 511.2 | 523.0 | 535.2 | 550.3 | 565.5 |
| 15° | 401.3 | 415.0 | 429.4 | 440.6 | 456.4 | 470.9 | 485.7 | 501.5 | 516.5 | 534.6 | 554.4 |
| 17.5° | 347.1 | 363.1 | 387.3 | 406.4 | 424.9 | 439.5 | 457.9 | 477.0 | 494.6 | 516.4 | 538.5 |
| 20° | 322.7 | 334.4 | 350.8 | 376.6 | 404.5 | 420.1 | 438.7 | 459.8 | 480.0 | 503.7 | 527.4 |
| 22.5° | 303.1 | 313.5 | 326.6 | 346.7 | 377.9 | 399.2 | 418.7 | 440.1 | 463.5 | 487.7 | 514.0 |
| 25° | 275.1 | 282.3 | 296.1 | 312.4 | 333.8 | 368.8 | 390.1 | 411.6 | 437.1 | 463.1 | 493.0 |
| 27.5° | 254.0 | 260.6 | 269.6 | 285.0 | 301.0 | 326.2 | 360.0 | 383.4 | 408.8 | 438.0 | 469.1 |
| 30° | 238.0 | 245.7 | 255.7 | 266.5 | 284.0 | 303.6 | 337.4 | 364.6 | 389.7 | 419.7 | 452.9 |
| 32.5° | 226.3 | 232.4 | 240.9 | 252.0 | 266.4 | 285.3 | 312.4 | 345.3 | 369.8 | 401.4 | 436.0 |
| 35° | 207.2 | 214.3 | 221.1 | 231.8 | 243.4 | 260.6 | 281.2 | 316.4 | 340.7 | 371.8 | 406.7 |
| 37.5° | 191.5 | 195.8 | 203.4 | 211.8 | 224.2 | 237.0 | 254.8 | 286.3 | 312.6 | 343.2 | 378.9 |
| 40° | 179.5 | 184.9 | 190.6 | 199.9 | 210.1 | 222.4 | 239.8 | 263.3 | 293.5 | 323.5 | 358.3 |
| 42.5° | 167.8 | 174.7 | 180.7 | 187.0 | 198.0 | 210.4 | 224.6 | 244.5 | 275.4 | 303.7 | 337.6 |
| 45° | 153.7 | 158.2 | 164.4 | 171.4 | 180.5 | 191.0 | 203.6 | 221.0 | 250.6 | 275.1 | 306.8 |
| 47.5° | 137.4 | 143.9 | 148.0 | 154.7 | 163.4 | 173.4 | 185.1 | 200.2 | 224.1 | 247.1 | 276.6 |
| 50° | 126.2 | 132.9 | 138.8 | 144.8 | 152.5 | 162.2 | 172.0 | 186.5 | 205.8 | 229.9 | 257.4 |
| 52.5° | 116.6 | 122.5 | 128.2 | 134.3 | 141.9 | 150.7 | 160.0 | 172.8 | 189.2 | 211.4 | 238.2 |
| 55° | 103.5 | 107.2 | 113.1 | 119.1 | 125.8 | 134.3 | 143.2 | 153.9 | 168.1 | 186.7 | 208.4 |
| 57.5° | 90.1 | 94.3 | 98.9 | 105.0 | 111.8 | 118.3 | 126.4 | 136.1 | 147.2 | 164.1 | 182.6 |
| 60° | 82.5 | 85.7 | 89.5 | 95.8 | 102.1 | 108.0 | 115.7 | 123.8 | 134.3 | 148.9 | 164.7 |
| 62.5° | 74.0 | 77.1 | 80.6 | 86.1 | 92.2 | 97.6 | 104.3 | 112.9 | 121.8 | 135.1 | 148.9 |
| 65° | 59.9 | 64.4 | 67.9 | 72.7 | 77.8 | 83.5 | 88.7 | 95.6 | 103.5 | 114.0 | 126.4 |
| 67.5° | 49.7 | 52.0 | 55.2 | 59.6 | 64.7 | 69.6 | 74.6 | 80.0 | 86.9 | 95.0 | 104.8 |
| 70° | 45.2 | 46.0 | 46.5 | 50.8 | 55.7 | 60.5 | 65.2 | 70.3 | 76.2 | 82.8 | 91.3 |
| 72.5° | 39.9 | 40.7 | 41.4 | 43.2 | 47.1 | 52.0 | 56.8 | 60.5 | 66.1 | 71.7 | 78.6 |
| 75° | 31.6 | 32.8 | 33.4 | 34.4 | 35.8 | 39.1 | 43.5 | 47.2 | 50.5 | 54.7 | 60.2 |
| 77.5° | 24.1 | 24.8 | 25.4 | 26.5 | 27.4 | 28.8 | 31.4 | 34.6 | 37.7 | 40.1 | 43.9 |
| 80° | 19.1 | 19.3 | 20.1 | 20.4 | 21.7 | 22.6 | 23.9 | 26.6 | 29.6 | 30.6 | 33.3 |
| 82.5° | 14.4 | 14.5 | 15.2 | 15.6 | 16.1 | 17.0 | 18.5 | 19.3 | 21.7 | 23.0 | 24.6 |
| 85° | 7.9 | 7.7 | 8.3 | 8.3 | 8.7 | 9.1 | 9.5 | 10.5 | 11.1 | 12.8 | 13.2 |
| 87.5° | 6.0 | 6.0 | 5.6 | 5.2 | 4.6 | 4.5 | 4.3 | 4.2 | 4.2 | 4.5 | 4.8 |
| 90° | 17.6 | 17.8 | 15.3 | 12.8 | 10.3 | 7.8 | 6.0 | 4.5 | 3.2 | 1.9 | 0.5 |
| 92.5° | 16.2 | 16.1 | 15.6 | 15.0 | 14.4 | 13.8 | 13.0 | 12.0 | 11.1 | 10.1 | 9.1 |
| 95° | 32.5 | 32.5 | 32.3 | 32.1 | 31.8 | 31.7 | 30.9 | 29.9 | 28.7 | 27.6 | 26.5 |
| 97.5° | 54.8 | 54.8 | 54.3 | 53.9 | 53.4 | 53.0 | 52.3 | 51.3 | 50.3 | 49.3 | 48.3 |
| 100° | 70.2 | 70.2 | 69.8 | 69.5 | 69.2 | 68.8 | 68.2 | 67.3 | 66.3 | 65.5 | 64.6 |
| 102.5° | 86.9 | 86.9 | 86.4 | 86.0 | 85.6 | 85.2 | 84.5 | 83.8 | 83.1 | 82.4 | 81.7 |
| 105° | 112.1 | 111.9 | 111.6 | 111.4 | 111.2 | 110.9 | 110.7 | 110.3 | 110.0 | 109.7 | 109.3 |
| 107.5° | 139.6 | 139.5 | 139.5 | 139.5 | 139.5 | 139.5 | 139.2 | 138.7 | 138.2 | 137.7 | 137.2 |
| 110° | 158.1 | 158.1 | 158.1 | 158.1 | 158.1 | 158.1 | 157.8 | 157.1 | 156.4 | 155.8 | 155.1 |



TEST NUMBER: P331622-940

CATALOG NUMBER: SA2XXRDIP-C290D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 177.0 | 177.3 | 177.4 | 177.5 | 177.5 | 177.6 | 177.4 | 176.6 | 175.9 | 175.3 | 174.6 |
| 115° | 205.4 | 205.5 | 205.6 | 205.9 | 206.1 | 206.3 | 206.1 | 205.5 | 204.7 | 204.1 | 203.4 |
| 117.5° | 233.0 | 233.3 | 233.9 | 234.5 | 235.2 | 235.9 | 235.7 | 234.8 | 233.9 | 233.0 | 232.1 |
| 120° | 251.2 | 251.2 | 252.1 | 253.0 | 253.9 | 254.9 | 254.9 | 253.9 | 253.0 | 252.1 | 251.2 |
| 122.5° | 270.5 | 270.7 | 271.3 | 272.0 | 272.6 | 273.2 | 273.0 | 272.0 | 270.9 | 269.7 | 268.7 |
| 125° | 298.6 | 299.0 | 299.3 | 299.7 | 300.0 | 300.3 | 300.0 | 299.0 | 298.0 | 296.9 | 296.0 |
| 127.5° | 326.0 | 326.5 | 326.9 | 327.3 | 327.7 | 328.1 | 327.6 | 326.4 | 325.0 | 323.8 | 322.4 |
| 130° | 344.6 | 344.7 | 345.0 | 345.2 | 345.4 | 345.6 | 345.0 | 343.6 | 342.1 | 340.6 | 339.2 |
| 132.5° | 363.0 | 363.5 | 363.5 | 363.4 | 363.4 | 363.3 | 362.7 | 361.5 | 360.3 | 359.1 | 357.8 |
| 135° | 389.4 | 389.5 | 389.3 | 389.1 | 388.8 | 388.6 | 387.9 | 386.6 | 385.4 | 384.1 | 382.9 |
| 137.5° | 415.0 | 415.1 | 414.8 | 414.6 | 414.3 | 413.9 | 413.3 | 412.3 | 411.3 | 410.3 | 409.2 |
| 140° | 432.2 | 432.2 | 431.7 | 431.1 | 430.5 | 430.0 | 429.2 | 428.1 | 427.1 | 426.1 | 425.1 |
| 142.5° | 447.7 | 447.6 | 447.3 | 446.9 | 446.6 | 446.1 | 445.4 | 444.4 | 443.4 | 442.4 | 441.4 |
| 145° | 471.4 | 471.4 | 470.7 | 470.0 | 469.3 | 468.7 | 468.0 | 467.2 | 466.4 | 465.6 | 464.8 |
| 147.5° | 492.1 | 492.0 | 491.4 | 491.0 | 490.5 | 490.1 | 489.4 | 488.5 | 487.5 | 486.5 | 485.6 |
| 150° | 505.2 | 505.0 | 504.4 | 504.0 | 503.5 | 503.1 | 502.6 | 501.9 | 501.2 | 500.5 | 499.9 |
| 152.5° | 518.4 | 518.0 | 517.4 | 516.8 | 516.3 | 515.8 | 515.1 | 514.5 | 513.8 | 513.2 | 512.5 |
| 155° | 535.0 | 534.4 | 534.0 | 533.8 | 533.4 | 533.1 | 532.7 | 532.4 | 532.1 | 531.7 | 531.4 |
| 157.5° | 550.3 | 549.5 | 549.3 | 549.1 | 548.8 | 548.7 | 548.5 | 548.2 | 548.0 | 547.8 | 547.5 |
| 160° | 559.5 | 558.8 | 558.7 | 558.6 | 558.5 | 558.4 | 558.2 | 557.9 | 557.8 | 557.5 | 557.3 |
| 162.5° | 567.8 | 566.9 | 566.9 | 566.8 | 566.6 | 566.5 | 566.4 | 566.4 | 566.3 | 566.3 | 566.2 |
| 165° | 578.5 | 577.7 | 577.7 | 577.7 | 577.7 | 577.7 | 577.7 | 577.8 | 577.9 | 578.0 | 578.2 |
| 167.5° | 587.3 | 586.5 | 586.5 | 586.6 | 586.6 | 586.6 | 586.7 | 587.1 | 587.5 | 587.8 | 588.1 |
| 170° | 592.2 | 591.4 | 591.5 | 591.6 | 591.7 | 591.8 | 592.1 | 592.4 | 592.7 | 593.1 | 593.4 |
| 172.5° | 595.8 | 595.0 | 595.1 | 595.3 | 595.4 | 595.5 | 595.8 | 596.0 | 596.4 | 596.7 | 597.1 |
| 175° | 599.8 | 599.0 | 599.2 | 599.5 | 599.7 | 599.9 | 600.2 | 600.6 | 600.8 | 601.2 | 601.5 |
| 177.5° | 601.9 | 601.4 | 601.5 | 601.7 | 601.9 | 602.1 | 602.3 | 602.5 | 602.8 | 603.1 | 603.4 |
| 180° | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 |



TEST NUMBER: P331622-940

CATALOG NUMBER: SA2XXRDIP-C290D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 |
| 2.5° | 586.4 | 586.8 | 590.0 | 591.6 | 594.4 | 595.6 | 596.9 | 596.6 | 596.6 | 597.2 | 601.7 |
| 5° | 587.6 | 591.7 | 597.7 | 603.6 | 609.3 | 614.1 | 617.4 | 620.6 | 621.9 | 627.7 | 632.9 |
| 7.5° | 585.5 | 593.0 | 603.0 | 612.0 | 622.7 | 631.1 | 638.0 | 644.4 | 648.6 | 657.2 | 665.9 |
| 10° | 582.7 | 593.3 | 604.6 | 616.2 | 631.0 | 642.1 | 653.4 | 662.2 | 664.9 | 677.7 | 685.0 |
| 12.5° | 577.2 | 591.3 | 605.7 | 620.7 | 635.2 | 650.5 | 663.0 | 671.7 | 681.7 | 693.1 | 706.6 |
| 15° | 569.0 | 585.1 | 604.0 | 623.2 | 643.9 | 662.5 | 675.9 | 691.1 | 702.0 | 714.6 | 726.4 |
| 17.5° | 557.1 | 578.0 | 601.9 | 624.2 | 648.1 | 668.1 | 686.5 | 701.1 | 708.7 | 716.0 | 717.6 |
| 20° | 547.7 | 570.2 | 598.3 | 624.6 | 648.5 | 671.6 | 689.9 | 702.0 | 704.1 | 704.3 | 693.6 |
| 22.5° | 537.5 | 562.9 | 592.4 | 619.3 | 647.9 | 673.6 | 687.8 | 692.9 | 684.9 | 671.2 | 650.4 |
| 25° | 518.7 | 548.1 | 582.4 | 613.1 | 644.4 | 668.6 | 673.5 | 664.4 | 636.2 | 606.6 | 569.2 |
| 27.5° | 498.4 | 531.5 | 568.1 | 602.4 | 635.6 | 650.7 | 640.2 | 607.3 | 556.6 | 512.5 | 459.1 |
| 30° | 483.5 | 520.6 | 556.6 | 594.9 | 625.7 | 632.1 | 608.1 | 559.6 | 500.5 | 434.1 | 380.8 |
| 32.5° | 466.5 | 505.3 | 544.9 | 584.5 | 610.3 | 604.0 | 564.2 | 504.5 | 435.2 | 369.9 | 319.6 |
| 35° | 442.2 | 482.2 | 525.0 | 564.7 | 581.1 | 553.8 | 494.2 | 416.6 | 345.7 | 284.8 | 250.1 |
| 37.5° | 414.1 | 457.8 | 502.2 | 538.7 | 537.5 | 492.0 | 410.8 | 330.7 | 271.2 | 235.1 | 210.4 |
| 40° | 394.1 | 438.4 | 486.3 | 517.1 | 504.0 | 444.6 | 356.7 | 281.2 | 237.6 | 208.8 | 190.8 |
| 42.5° | 375.1 | 419.4 | 467.1 | 491.5 | 468.6 | 395.7 | 308.1 | 248.9 | 212.9 | 190.6 | 175.9 |
| 45° | 342.5 | 389.3 | 433.5 | 447.0 | 406.1 | 325.7 | 249.1 | 206.2 | 182.3 | 165.7 | 155.6 |
| 47.5° | 310.7 | 356.8 | 397.1 | 397.3 | 342.0 | 264.1 | 210.2 | 178.4 | 158.0 | 145.2 | 137.9 |
| 50° | 291.2 | 335.0 | 368.8 | 363.6 | 300.8 | 235.0 | 188.0 | 160.6 | 143.7 | 133.7 | 126.0 |
| 52.5° | 269.4 | 311.8 | 341.2 | 326.2 | 265.9 | 206.8 | 168.0 | 145.1 | 131.0 | 122.3 | 115.5 |
| 55° | 237.6 | 275.3 | 296.0 | 273.2 | 217.0 | 172.0 | 142.0 | 123.9 | 113.4 | 106.1 | 100.2 |
| 57.5° | 206.3 | 237.5 | 250.4 | 224.0 | 178.7 | 142.6 | 120.1 | 106.6 | 96.1 | 90.9 | 87.8 |
| 60° | 186.7 | 213.3 | 222.4 | 193.2 | 155.3 | 124.8 | 106.4 | 93.8 | 86.1 | 82.7 | 79.6 |
| 62.5° | 167.5 | 189.1 | 192.9 | 166.2 | 135.5 | 109.2 | 93.4 | 82.8 | 77.7 | 74.4 | 71.5 |
| 65° | 138.9 | 154.5 | 152.8 | 131.3 | 107.2 | 86.7 | 75.2 | 68.7 | 64.8 | 60.2 | 55.1 |
| 67.5° | 114.4 | 123.9 | 118.2 | 102.1 | 81.8 | 67.4 | 59.8 | 54.9 | 50.1 | 45.7 | 44.6 |
| 70° | 98.8 | 104.3 | 98.3 | 83.5 | 67.1 | 56.5 | 50.5 | 44.6 | 41.7 | 40.8 | 38.9 |
| 72.5° | 83.9 | 85.9 | 79.3 | 66.6 | 54.6 | 46.8 | 40.8 | 37.6 | 36.0 | 35.2 | 34.1 |
| 75° | 63.0 | 61.6 | 55.9 | 46.0 | 37.9 | 32.6 | 30.8 | 29.6 | 28.5 | 27.7 | 27.1 |
| 77.5° | 44.2 | 42.2 | 37.1 | 30.6 | 26.4 | 23.9 | 22.7 | 22.1 | 21.7 | 21.2 | 20.6 |
| 80° | 33.3 | 31.8 | 26.8 | 21.8 | 20.1 | 18.8 | 18.2 | 17.4 | 17.4 | 17.0 | 16.4 |
| 82.5° | 24.3 | 22.7 | 18.3 | 16.1 | 15.1 | 14.3 | 13.8 | 13.4 | 13.2 | 13.3 | 12.8 |
| 85° | 12.8 | 10.3 | 9.1 | 8.7 | 8.1 | 7.7 | 7.9 | 7.5 | 7.5 | 7.5 | 7.3 |
| 87.5° | 4.3 | 3.7 | 3.8 | 3.9 | 4.5 | 5.0 | 5.4 | 5.8 | 6.5 | 6.2 | 6.4 |
| 90° | 1.9 | 3.2 | 4.5 | 6.0 | 7.8 | 10.3 | 12.8 | 15.3 | 17.8 | 17.6 | 17.4 |
| 92.5° | 10.1 | 11.1 | 12.0 | 13.0 | 13.8 | 14.4 | 15.0 | 15.6 | 16.1 | 16.2 | 16.2 |
| 95° | 27.6 | 28.7 | 29.9 | 30.9 | 31.7 | 31.8 | 32.1 | 32.3 | 32.5 | 32.5 | 32.5 |
| 97.5° | 49.3 | 50.3 | 51.3 | 52.3 | 53.0 | 53.4 | 53.9 | 54.3 | 54.8 | 54.8 | 54.8 |
| 100° | 65.5 | 66.3 | 67.3 | 68.2 | 68.8 | 69.2 | 69.5 | 69.8 | 70.2 | 70.2 | 70.2 |
| 102.5° | 82.4 | 83.1 | 83.8 | 84.5 | 85.2 | 85.6 | 86.0 | 86.4 | 86.9 | 86.9 | 87.0 |
| 105° | 109.7 | 110.0 | 110.3 | 110.7 | 110.9 | 111.2 | 111.4 | 111.6 | 111.9 | 112.1 | 112.4 |
| 107.5° | 137.7 | 138.2 | 138.7 | 139.2 | 139.5 | 139.5 | 139.5 | 139.5 | 139.5 | 139.6 | 139.6 |
| 110° | 155.8 | 156.4 | 157.1 | 157.8 | 158.1 | 158.1 | 158.1 | 158.1 | 158.1 | 158.1 | 158.1 |



TEST NUMBER: P331622-940

CATALOG NUMBER: SA2XXRDIP-C290D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 175.3 | 175.9 | 176.6 | 177.4 | 177.6 | 177.5 | 177.5 | 177.4 | 177.3 | 177.0 | 176.7 |
| 115° | 204.1 | 204.7 | 205.5 | 206.1 | 206.3 | 206.1 | 205.9 | 205.6 | 205.5 | 205.4 | 205.2 |
| 117.5° | 233.0 | 233.9 | 234.8 | 235.7 | 235.9 | 235.2 | 234.5 | 233.9 | 233.3 | 233.0 | 232.7 |
| 120° | 252.1 | 253.0 | 253.9 | 254.9 | 254.9 | 253.9 | 253.0 | 252.1 | 251.2 | 251.2 | 251.2 |
| 122.5° | 269.7 | 270.9 | 272.0 | 273.0 | 273.2 | 272.6 | 272.0 | 271.3 | 270.7 | 270.5 | 270.2 |
| 125° | 296.9 | 298.0 | 299.0 | 300.0 | 300.3 | 300.0 | 299.7 | 299.3 | 299.0 | 298.6 | 298.3 |
| 127.5° | 323.8 | 325.0 | 326.4 | 327.6 | 328.1 | 327.7 | 327.3 | 326.9 | 326.5 | 326.0 | 325.7 |
| 130° | 340.6 | 342.1 | 343.6 | 345.0 | 345.6 | 345.4 | 345.2 | 345.0 | 344.7 | 344.6 | 344.3 |
| 132.5° | 359.1 | 360.3 | 361.5 | 362.7 | 363.3 | 363.4 | 363.4 | 363.5 | 363.5 | 363.0 | 362.5 |
| 135° | 384.1 | 385.4 | 386.6 | 387.9 | 388.6 | 388.8 | 389.1 | 389.3 | 389.5 | 389.4 | 389.3 |
| 137.5° | 410.3 | 411.3 | 412.3 | 413.3 | 413.9 | 414.3 | 414.6 | 414.8 | 415.1 | 415.0 | 414.9 |
| 140° | 426.1 | 427.1 | 428.1 | 429.2 | 430.0 | 430.5 | 431.1 | 431.7 | 432.2 | 432.2 | 432.2 |
| 142.5° | 442.4 | 443.4 | 444.4 | 445.4 | 446.1 | 446.6 | 446.9 | 447.3 | 447.6 | 447.7 | 447.8 |
| 145° | 465.6 | 466.4 | 467.2 | 468.0 | 468.7 | 469.3 | 470.0 | 470.7 | 471.4 | 471.4 | 471.6 |
| 147.5° | 486.5 | 487.5 | 488.5 | 489.4 | 490.1 | 490.5 | 491.0 | 491.4 | 492.0 | 492.1 | 492.4 |
| 150° | 500.5 | 501.2 | 501.9 | 502.6 | 503.1 | 503.5 | 504.0 | 504.4 | 505.0 | 505.2 | 505.6 |
| 152.5° | 513.2 | 513.8 | 514.5 | 515.1 | 515.8 | 516.3 | 516.8 | 517.4 | 518.0 | 518.4 | 518.8 |
| 155° | 531.7 | 532.1 | 532.4 | 532.7 | 533.1 | 533.4 | 533.8 | 534.0 | 534.4 | 535.0 | 535.6 |
| 157.5° | 547.8 | 548.0 | 548.2 | 548.5 | 548.7 | 548.8 | 549.1 | 549.3 | 549.5 | 550.3 | 551.0 |
| 160° | 557.5 | 557.8 | 557.9 | 558.2 | 558.4 | 558.5 | 558.6 | 558.7 | 558.8 | 559.5 | 560.2 |
| 162.5° | 566.3 | 566.3 | 566.4 | 566.4 | 566.5 | 566.6 | 566.8 | 566.9 | 566.9 | 567.8 | 568.5 |
| 165° | 578.0 | 577.9 | 577.8 | 577.7 | 577.7 | 577.7 | 577.7 | 577.7 | 577.7 | 578.5 | 579.3 |
| 167.5° | 587.8 | 587.5 | 587.1 | 586.7 | 586.6 | 586.6 | 586.6 | 586.5 | 586.5 | 587.3 | 588.1 |
| 170° | 593.1 | 592.7 | 592.4 | 592.1 | 591.8 | 591.7 | 591.6 | 591.5 | 591.4 | 592.2 | 593.0 |
| 172.5° | 596.7 | 596.4 | 596.0 | 595.8 | 595.5 | 595.4 | 595.3 | 595.1 | 595.0 | 595.8 | 596.6 |
| 175° | 601.2 | 600.8 | 600.6 | 600.2 | 599.9 | 599.7 | 599.5 | 599.2 | 599.0 | 599.8 | 600.6 |
| 177.5° | 603.1 | 602.8 | 602.5 | 602.3 | 602.1 | 601.9 | 601.7 | 601.5 | 601.4 | 601.9 | 602.4 |
| 180° | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 |



TEST NUMBER: P331622-940

CATALOG NUMBER: SA2XXRDIP-C290D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 | 582.9 |
| 2.5° | 603.3 | 605.5 | 606.5 | 606.5 | 607.6 | 607.1 | 606.6 |
| 5° | 638.0 | 641.9 | 642.7 | 646.3 | 649.0 | 648.2 | 648.5 |
| 7.5° | 672.5 | 678.7 | 684.8 | 687.6 | 688.0 | 689.6 | 690.3 |
| 10° | 693.8 | 698.8 | 708.3 | 706.9 | 714.0 | 718.1 | 711.4 |
| 12.5° | 714.2 | 721.0 | 727.6 | 729.4 | 733.4 | 734.8 | 732.1 |
| 15° | 732.6 | 736.3 | 736.6 | 735.7 | 736.9 | 735.8 | 732.0 |
| 17.5° | 715.4 | 709.4 | 697.5 | 691.8 | 687.3 | 680.6 | 678.0 |
| 20° | 686.9 | 669.4 | 649.2 | 641.1 | 631.6 | 613.0 | 617.4 |
| 22.5° | 625.3 | 605.5 | 585.1 | 561.5 | 550.2 | 532.5 | 531.5 |
| 25° | 529.5 | 495.3 | 457.5 | 431.2 | 415.8 | 398.2 | 390.5 |
| 27.5° | 411.7 | 368.5 | 337.7 | 322.1 | 307.8 | 293.9 | 293.3 |
| 30° | 334.2 | 301.8 | 277.9 | 264.6 | 255.8 | 249.9 | 251.2 |
| 32.5° | 281.7 | 259.5 | 243.3 | 232.3 | 225.9 | 221.4 | 221.3 |
| 35° | 230.3 | 215.1 | 204.7 | 200.1 | 195.5 | 192.3 | 192.4 |
| 37.5° | 197.1 | 188.0 | 182.2 | 177.1 | 174.2 | 172.5 | 171.7 |
| 40° | 180.0 | 172.5 | 168.1 | 165.1 | 162.6 | 160.4 | 160.0 |
| 42.5° | 166.7 | 160.4 | 156.0 | 153.6 | 151.3 | 149.7 | 149.4 |
| 45° | 147.8 | 142.8 | 138.8 | 136.1 | 135.1 | 133.7 | 133.7 |
| 47.5° | 131.5 | 126.5 | 123.4 | 121.7 | 120.0 | 119.0 | 119.0 |
| 50° | 120.6 | 116.6 | 113.9 | 112.8 | 111.4 | 110.8 | 110.6 |
| 52.5° | 110.7 | 107.7 | 105.8 | 105.0 | 104.4 | 103.7 | 103.8 |
| 55° | 97.2 | 95.6 | 94.8 | 94.2 | 93.2 | 91.9 | 92.7 |
| 57.5° | 86.0 | 84.5 | 82.4 | 80.4 | 79.5 | 78.6 | 79.0 |
| 60° | 78.0 | 75.2 | 72.3 | 70.1 | 69.5 | 67.7 | 67.7 |
| 62.5° | 67.9 | 63.9 | 60.5 | 59.2 | 58.6 | 57.8 | 57.6 |
| 65° | 52.3 | 50.6 | 49.8 | 49.0 | 48.6 | 48.6 | 48.2 |
| 67.5° | 43.3 | 42.6 | 41.7 | 41.6 | 41.2 | 41.0 | 40.9 |
| 70° | 38.3 | 37.5 | 37.1 | 36.8 | 36.5 | 36.6 | 36.0 |
| 72.5° | 33.4 | 32.8 | 32.7 | 32.2 | 31.9 | 31.9 | 31.5 |
| 75° | 26.3 | 26.3 | 26.1 | 25.9 | 25.5 | 25.3 | 25.5 |
| 77.5° | 20.2 | 20.3 | 20.0 | 19.9 | 19.9 | 19.9 | 19.7 |
| 80° | 16.2 | 16.4 | 16.2 | 16.0 | 15.8 | 16.0 | 15.8 |
| 82.5° | 12.8 | 12.5 | 12.5 | 12.4 | 12.4 | 12.3 | 12.2 |
| 85° | 7.3 | 7.5 | 7.3 | 7.1 | 7.1 | 7.1 | 7.3 |
| 87.5° | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 6.1 |
| 90° | 17.1 | 16.9 | 16.9 | 16.9 | 17.0 | 17.2 | 17.3 |
| 92.5° | 16.3 | 16.3 | 16.4 | 16.4 | 16.4 | 16.5 | 16.5 |
| 95° | 32.5 | 32.5 | 32.5 | 32.2 | 32.0 | 31.7 | 31.6 |
| 97.5° | 54.8 | 54.8 | 54.7 | 54.7 | 54.7 | 54.7 | 54.6 |
| 100° | 70.2 | 70.2 | 70.1 | 70.0 | 69.9 | 69.8 | 69.6 |
| 102.5° | 87.1 | 87.2 | 87.2 | 87.1 | 86.9 | 86.9 | 86.8 |
| 105° | 112.5 | 112.8 | 112.9 | 112.9 | 112.9 | 112.9 | 112.9 |
| 107.5° | 139.7 | 139.8 | 139.6 | 139.0 | 138.6 | 138.0 | 137.5 |
| 110° | 158.1 | 158.1 | 158.0 | 157.7 | 157.3 | 156.9 | 156.6 |



TEST NUMBER: P331622-940

CATALOG NUMBER: SA2XXRDIP-C290D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 176.5 | 176.2 | 175.9 | 175.7 | 175.4 | 175.1 | 175.0 |
| 115° | 205.1 | 205.0 | 204.7 | 204.4 | 204.1 | 203.8 | 203.4 |
| 117.5° | 232.5 | 232.2 | 231.9 | 231.6 | 231.2 | 230.9 | 230.5 |
| 120° | 251.2 | 251.2 | 251.0 | 250.7 | 250.4 | 250.0 | 249.7 |
| 122.5° | 269.9 | 269.7 | 269.4 | 269.1 | 268.9 | 268.7 | 268.4 |
| 125° | 298.0 | 297.7 | 297.4 | 297.3 | 297.2 | 297.0 | 296.9 |
| 127.5° | 325.2 | 324.9 | 324.4 | 324.0 | 323.7 | 323.3 | 323.0 |
| 130° | 344.1 | 343.8 | 343.5 | 343.0 | 342.6 | 342.1 | 341.7 |
| 132.5° | 361.9 | 361.5 | 361.1 | 360.7 | 360.3 | 360.0 | 359.6 |
| 135° | 389.1 | 389.1 | 388.8 | 388.5 | 388.2 | 387.8 | 387.4 |
| 137.5° | 414.8 | 414.7 | 414.5 | 414.0 | 413.6 | 413.1 | 412.7 |
| 140° | 432.2 | 432.2 | 432.0 | 431.5 | 431.1 | 430.6 | 430.2 |
| 142.5° | 447.9 | 448.0 | 447.8 | 447.4 | 446.9 | 446.5 | 446.0 |
| 145° | 471.7 | 471.8 | 471.6 | 471.2 | 470.7 | 470.3 | 469.8 |
| 147.5° | 492.7 | 492.9 | 492.8 | 492.4 | 492.0 | 491.5 | 491.1 |
| 150° | 506.0 | 506.3 | 506.3 | 506.0 | 505.6 | 505.2 | 505.0 |
| 152.5° | 519.2 | 519.7 | 519.7 | 519.2 | 518.8 | 518.4 | 518.0 |
| 155° | 536.1 | 536.7 | 536.8 | 536.5 | 536.1 | 535.7 | 535.5 |
| 157.5° | 551.8 | 552.6 | 552.7 | 552.1 | 551.6 | 551.1 | 550.5 |
| 160° | 560.9 | 561.5 | 561.7 | 561.2 | 560.8 | 560.3 | 559.8 |
| 162.5° | 569.3 | 570.1 | 570.2 | 569.6 | 569.1 | 568.6 | 568.0 |
| 165° | 580.1 | 580.8 | 580.9 | 580.3 | 579.8 | 579.3 | 578.6 |
| 167.5° | 588.9 | 589.7 | 589.8 | 589.2 | 588.6 | 588.0 | 587.4 |
| 170° | 593.8 | 594.5 | 594.6 | 593.9 | 593.3 | 592.5 | 591.9 |
| 172.5° | 597.4 | 598.2 | 598.2 | 597.6 | 596.9 | 596.2 | 595.6 |
| 175° | 601.4 | 602.2 | 602.3 | 601.5 | 600.8 | 600.2 | 599.5 |
| 177.5° | 603.0 | 603.5 | 603.5 | 603.0 | 602.4 | 601.9 | 601.4 |
| 180° | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 |

(END OF REPORT)