

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: P331635-840

Luminaire Tested: **SA2XXRDIP-C290D925U840-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331635-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-C290D925U840-4F0-1E-UDD-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 290 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 925 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

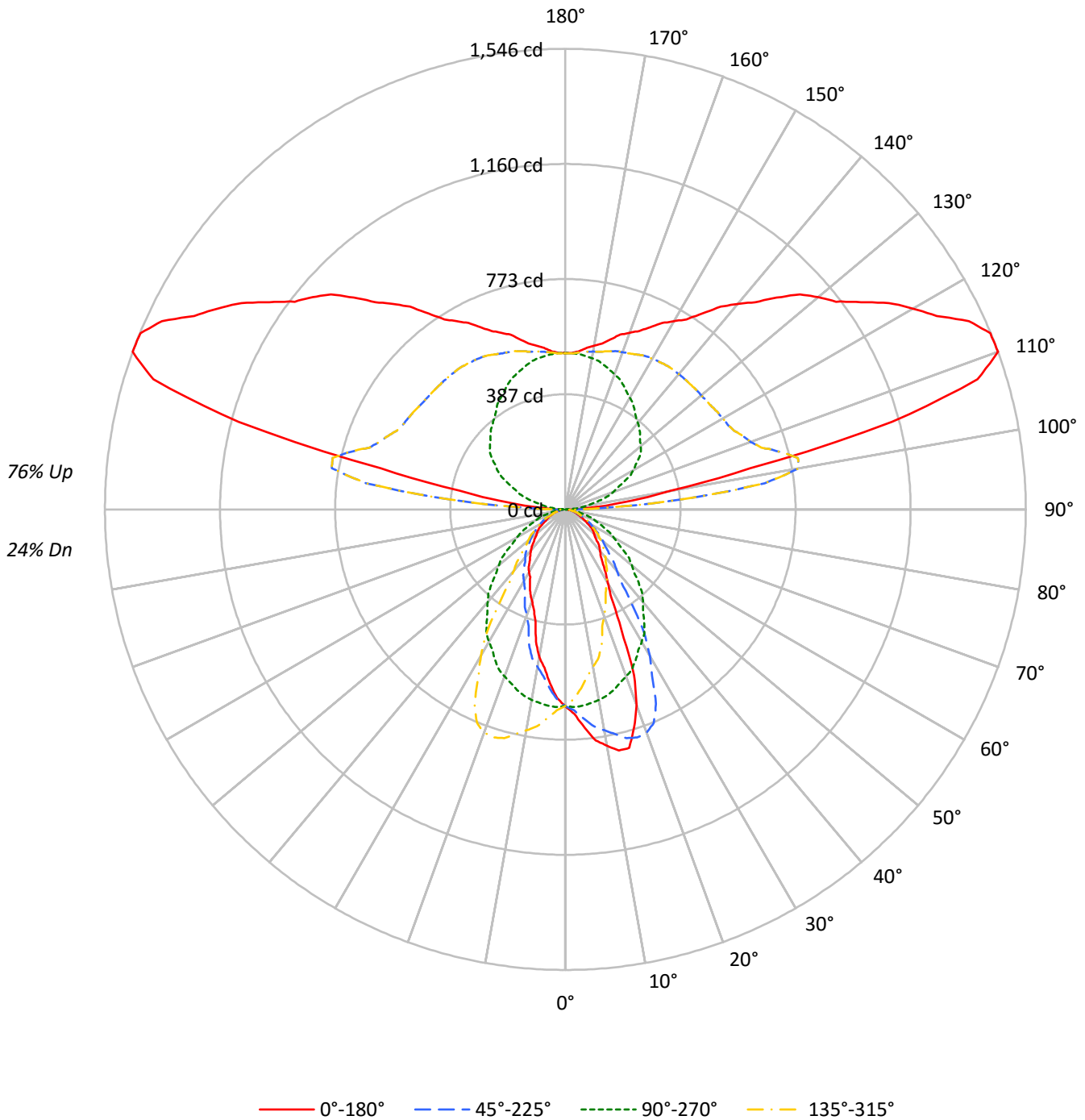
Lumens per Lamp: N/A
Luminaire Lumens: 4792.7 lumens
Efficiency: N/A
Efficacy: 128.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 37.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331635-840
CATALOG NUMBER: SA2XXRDIP-C290D925U840-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P331635-840

CATALOG NUMBER: SA2XXRDIP-C290D925U840-4F0-1E-UDD-A4

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 | 101 | 101 | 101 | 101 | 90 | 90 | 90 | 90 | 69 | 69 | 69 | 50 | 50 | 50 | 32 | 32 | 32 | 24 | | | | 24 |
| 1 | 92 | 88 | 85 | 81 | 82 | 79 | 76 | 73 | 61 | 59 | 57 | 44 | 43 | 42 | 29 | 28 | 28 | 21 | | | | 21 |
| 2 | 84 | 77 | 72 | 67 | 75 | 69 | 64 | 60 | 54 | 50 | 48 | 39 | 37 | 36 | 26 | 25 | 24 | 18 | | | | 18 |
| 3 | 77 | 68 | 62 | 56 | 68 | 61 | 55 | 51 | 48 | 44 | 41 | 35 | 33 | 30 | 23 | 22 | 21 | 16 | | | | 16 |
| 4 | 71 | 61 | 53 | 48 | 63 | 54 | 48 | 43 | 42 | 38 | 35 | 31 | 29 | 26 | 21 | 20 | 18 | 14 | | | | 14 |
| 5 | 65 | 54 | 47 | 41 | 58 | 49 | 42 | 37 | 38 | 34 | 30 | 28 | 25 | 23 | 19 | 18 | 16 | 12 | | | | 12 |
| 6 | 60 | 49 | 41 | 36 | 53 | 44 | 37 | 32 | 34 | 30 | 26 | 26 | 23 | 20 | 18 | 16 | 14 | 11 | | | | 11 |
| 7 | 55 | 44 | 36 | 31 | 49 | 39 | 33 | 29 | 31 | 27 | 23 | 23 | 20 | 18 | 16 | 14 | 13 | 10 | | | | 10 |
| 8 | 51 | 40 | 33 | 28 | 46 | 36 | 30 | 25 | 28 | 24 | 21 | 21 | 18 | 16 | 15 | 13 | 12 | 9 | | | | 9 |
| 9 | 48 | 36 | 29 | 24 | 42 | 33 | 27 | 22 | 26 | 22 | 19 | 20 | 17 | 15 | 14 | 12 | 11 | 8 | | | | 8 |
| 10 | 44 | 33 | 26 | 22 | 40 | 30 | 24 | 20 | 24 | 20 | 17 | 18 | 15 | 13 | 13 | 11 | 10 | 8 | | | | 8 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 10658 | 10658 | 10658 | 10658 |
| 5° | 11904 | 10726 | 9511 | 10726 |
| 10° | 13209 | 10650 | 8243 | 10650 |
| 15° | 13857 | 10494 | 6496 | 10494 |
| 20° | 12014 | 10263 | 5620 | 10263 |
| 25° | 7878 | 9948 | 5018 | 9948 |
| 30° | 5304 | 9562 | 4542 | 9562 |
| 35° | 4295 | 9079 | 4096 | 9079 |
| 40° | 3819 | 8553 | 3792 | 8553 |
| 45° | 3457 | 7935 | 3382 | 7935 |
| 50° | 3145 | 7322 | 3135 | 7322 |
| 55° | 2956 | 6643 | 2919 | 6643 |
| 60° | 2474 | 6022 | 2444 | 6022 |
| 65° | 2086 | 5467 | 2365 | 5467 |
| 70° | 1926 | 4881 | 2233 | 4881 |
| 75° | 1803 | 4255 | 2059 | 4255 |
| 80° | 1664 | 3505 | 1832 | 3505 |
| 85° | 1538 | 2760 | 1612 | 2760 |



TEST NUMBER: P331635-840

CATALOG NUMBER: SA2XXRDIP-C290D925U840-4F0-1E-UDD-A4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 62.6 | 1.3 |
| 10°-20° | 174.4 | 3.6 |
| 20°-30° | 224.7 | 4.7 |
| 30°-40° | 213.5 | 4.5 |
| 40°-50° | 182.9 | 3.8 |
| 50°-60° | 139.3 | 2.9 |
| 60°-70° | 88.1 | 1.8 |
| 70°-80° | 44.0 | 0.9 |
| 80°-90° | 16.2 | 0.3 |
| 90°-100° | 209.6 | 4.4 |
| 100°-110° | 711.1 | 14.8 |
| 110°-120° | 755.5 | 15.8 |
| 120°-130° | 621.9 | 13.0 |
| 130°-140° | 499.4 | 10.4 |
| 140°-150° | 377.4 | 7.9 |
| 150°-160° | 265.2 | 5.5 |
| 160°-170° | 156.1 | 3.3 |
| 170°-180° | 50.8 | 1.1 |
| 0°-30° | 461.7 | 9.6 |
| 0°-40° | 675.2 | 14.1 |
| 0°-60° | 997.5 | 20.8 |
| 0°-90° | 1145.7 | 23.9 |
| 90°-120° | 1676.1 | 35.0 |
| 90°-150° | 3174.8 | 66.2 |
| 90°-180° | 3647.0 | 76.1 |
| 0°-180° | 4792.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|-----|------|------|------|------|
| 0° | 660 | 660 | 660 | 660 | 660 | |
| 5° | 734 | 662 | 587 | 662 | 734 | 72 |
| 15° | 829 | 628 | 389 | 628 | 829 | 224 |
| 25° | 442 | 558 | 282 | 558 | 442 | 210 |
| 35° | 218 | 461 | 208 | 461 | 218 | 139 |
| 45° | 151 | 348 | 148 | 348 | 151 | 117 |
| 55° | 105 | 236 | 104 | 236 | 105 | 92 |
| 65° | 55 | 143 | 62 | 143 | 55 | 56 |
| 75° | 29 | 68 | 33 | 68 | 29 | 31 |
| 85° | 8 | 15 | 9 | 15 | 8 | 10 |
| 90° | 33 | 1 | 33 | 1 | 33 | 18 |
| 95° | 115 | 35 | 115 | 35 | 115 | 149 |
| 105° | 1136 | 123 | 1136 | 123 | 1136 | 1099 |
| 115° | 1495 | 217 | 1495 | 217 | 1495 | 1464 |
| 125° | 1212 | 302 | 1212 | 302 | 1212 | 1096 |
| 135° | 1005 | 355 | 1005 | 355 | 1005 | 781 |
| 145° | 802 | 405 | 802 | 405 | 802 | 510 |
| 155° | 674 | 461 | 674 | 461 | 674 | 315 |
| 165° | 592 | 502 | 592 | 502 | 592 | 169 |
| 175° | 533 | 523 | 533 | 523 | 533 | 52 |
| 180° | 524 | 524 | 524 | 524 | 524 | |



TEST NUMBER: P331635-840

CATALOG NUMBER: SA2XXRDIP-C290D925U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 0° | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 |
| 2.5° | 687.0 | 687.5 | 688.1 | 686.8 | 686.8 | 685.7 | 683.3 | 681.5 | 676.3 | 675.6 | 675.6 |
| 5° | 734.5 | 734.1 | 735.0 | 732.0 | 727.9 | 726.9 | 722.6 | 716.8 | 710.8 | 704.3 | 702.9 |
| 7.5° | 781.7 | 781.0 | 779.2 | 778.7 | 775.6 | 768.6 | 761.6 | 754.2 | 744.3 | 734.6 | 729.7 |
| 10° | 805.7 | 813.2 | 808.6 | 800.6 | 802.1 | 791.4 | 785.7 | 775.8 | 767.5 | 753.1 | 749.9 |
| 12.5° | 829.1 | 832.1 | 830.6 | 826.1 | 824.0 | 816.6 | 808.8 | 800.2 | 785.0 | 772.0 | 760.7 |
| 15° | 829.0 | 833.3 | 834.6 | 833.1 | 834.2 | 833.8 | 829.7 | 822.6 | 809.3 | 795.1 | 782.6 |
| 17.5° | 767.8 | 770.8 | 778.4 | 783.5 | 789.9 | 803.4 | 810.2 | 812.7 | 810.8 | 802.6 | 794.0 |
| 20° | 699.2 | 694.2 | 715.3 | 726.0 | 735.2 | 758.1 | 777.9 | 785.5 | 797.6 | 797.4 | 795.1 |
| 22.5° | 601.9 | 603.1 | 623.1 | 635.9 | 662.7 | 685.7 | 708.1 | 736.6 | 760.1 | 775.7 | 784.8 |
| 25° | 442.2 | 451.0 | 470.9 | 488.4 | 518.2 | 560.9 | 599.7 | 644.6 | 687.0 | 720.5 | 752.5 |
| 27.5° | 332.1 | 332.9 | 348.6 | 364.8 | 382.4 | 417.4 | 466.3 | 519.9 | 580.4 | 630.4 | 687.7 |
| 30° | 284.5 | 283.1 | 289.7 | 299.6 | 314.8 | 341.8 | 378.5 | 431.2 | 491.6 | 566.8 | 633.8 |
| 32.5° | 250.6 | 250.7 | 255.8 | 263.1 | 275.6 | 293.9 | 319.0 | 361.9 | 418.9 | 492.9 | 571.4 |
| 35° | 217.9 | 217.7 | 221.4 | 226.6 | 231.9 | 243.6 | 260.8 | 283.3 | 322.6 | 391.5 | 471.8 |
| 37.5° | 194.4 | 195.4 | 197.2 | 200.6 | 206.3 | 212.9 | 223.2 | 238.3 | 266.2 | 307.1 | 374.6 |
| 40° | 181.2 | 181.7 | 184.2 | 186.9 | 190.4 | 195.4 | 203.9 | 216.1 | 236.5 | 269.0 | 318.4 |
| 42.5° | 169.2 | 169.6 | 171.4 | 173.9 | 176.6 | 181.7 | 188.7 | 199.2 | 215.8 | 241.2 | 281.9 |
| 45° | 151.4 | 151.4 | 153.0 | 154.1 | 157.1 | 161.7 | 167.4 | 176.2 | 187.6 | 206.4 | 233.5 |
| 47.5° | 134.8 | 134.8 | 135.9 | 137.8 | 139.8 | 143.3 | 149.0 | 156.1 | 164.4 | 178.9 | 202.1 |
| 50° | 125.2 | 125.5 | 126.1 | 127.7 | 129.0 | 132.1 | 136.5 | 142.7 | 151.4 | 162.7 | 181.9 |
| 52.5° | 117.5 | 117.4 | 118.3 | 119.0 | 119.8 | 122.0 | 125.3 | 130.8 | 138.6 | 148.3 | 164.3 |
| 55° | 105.0 | 104.1 | 105.5 | 106.6 | 107.3 | 108.3 | 110.1 | 113.5 | 120.2 | 128.5 | 140.4 |
| 57.5° | 89.5 | 89.1 | 90.1 | 91.1 | 93.3 | 95.7 | 97.4 | 99.5 | 102.9 | 108.9 | 120.7 |
| 60° | 76.6 | 76.6 | 78.7 | 79.4 | 81.9 | 85.1 | 88.4 | 90.2 | 93.6 | 97.5 | 106.2 |
| 62.5° | 65.2 | 65.4 | 66.3 | 67.1 | 68.5 | 72.4 | 77.0 | 81.0 | 84.2 | 88.0 | 93.7 |
| 65° | 54.6 | 55.0 | 55.0 | 55.5 | 56.5 | 57.4 | 59.2 | 62.4 | 68.2 | 73.4 | 77.8 |
| 67.5° | 46.4 | 46.5 | 46.7 | 47.1 | 47.3 | 48.3 | 49.1 | 50.5 | 51.8 | 56.8 | 62.2 |
| 70° | 40.8 | 41.5 | 41.3 | 41.7 | 42.0 | 42.4 | 43.3 | 44.0 | 46.2 | 47.3 | 50.5 |
| 72.5° | 35.6 | 36.2 | 36.2 | 36.5 | 37.1 | 37.2 | 37.9 | 38.6 | 39.9 | 40.8 | 42.6 |
| 75° | 28.9 | 28.7 | 28.9 | 29.4 | 29.6 | 29.8 | 29.8 | 30.7 | 31.4 | 32.3 | 33.5 |
| 77.5° | 22.3 | 22.5 | 22.5 | 22.5 | 22.6 | 23.0 | 22.9 | 23.3 | 24.0 | 24.5 | 25.0 |
| 80° | 17.9 | 18.1 | 17.9 | 18.1 | 18.4 | 18.6 | 18.4 | 18.6 | 19.3 | 19.7 | 19.7 |
| 82.5° | 13.8 | 13.9 | 14.0 | 14.0 | 14.1 | 14.1 | 14.5 | 14.5 | 15.0 | 14.9 | 15.1 |
| 85° | 8.3 | 8.1 | 8.1 | 8.1 | 8.3 | 8.5 | 8.3 | 8.3 | 8.5 | 8.5 | 8.5 |
| 87.5° | 9.6 | 9.8 | 9.8 | 9.8 | 9.8 | 9.6 | 9.2 | 9.8 | 9.8 | 10.2 | 9.8 |
| 90° | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 32.2 | 30.2 | 32.2 | 33.2 | 34.2 | 33.2 |
| 92.5° | 55.8 | 57.5 | 56.7 | 59.9 | 60.7 | 67.0 | 75.4 | 87.9 | 110.7 | 131.0 | 129.2 |
| 95° | 114.9 | 113.9 | 116.9 | 125.0 | 138.0 | 160.3 | 202.6 | 264.1 | 345.7 | 395.1 | 349.7 |
| 97.5° | 226.2 | 234.6 | 249.3 | 274.2 | 322.3 | 395.1 | 504.1 | 616.2 | 707.5 | 674.5 | 508.0 |
| 100° | 360.8 | 379.0 | 408.2 | 451.5 | 535.2 | 657.1 | 795.2 | 920.2 | 941.4 | 796.2 | 548.3 |
| 102.5° | 635.0 | 659.5 | 696.0 | 770.0 | 860.9 | 990.2 | 1091.2 | 1119.3 | 1028.4 | 800.2 | 533.0 |
| 105° | 1135.9 | 1149.9 | 1193.4 | 1255.8 | 1318.3 | 1351.6 | 1338.5 | 1224.6 | 1014.9 | 746.8 | 502.9 |
| 107.5° | 1451.0 | 1469.7 | 1478.3 | 1481.8 | 1473.9 | 1425.1 | 1320.3 | 1148.8 | 926.5 | 689.6 | 488.0 |
| 110° | 1546.1 | 1547.1 | 1538.0 | 1518.8 | 1475.5 | 1392.9 | 1263.8 | 1083.5 | 870.8 | 662.2 | 484.8 |



TEST NUMBER: P331635-840

CATALOG NUMBER: SA2XXRDIP-C290D925U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 112.5° | 1544.5 | 1539.0 | 1521.9 | 1489.9 | 1429.6 | 1334.8 | 1197.0 | 1023.8 | 832.1 | 644.4 | 485.5 |
| 115° | 1494.7 | 1485.6 | 1459.4 | 1413.0 | 1341.5 | 1237.7 | 1105.6 | 950.4 | 784.2 | 624.9 | 489.8 |
| 117.5° | 1405.7 | 1398.2 | 1370.5 | 1321.5 | 1248.6 | 1151.1 | 1031.5 | 895.1 | 753.9 | 615.4 | 497.1 |
| 120° | 1348.6 | 1338.5 | 1309.2 | 1261.8 | 1191.3 | 1099.5 | 992.8 | 867.8 | 737.8 | 609.8 | 501.9 |
| 122.5° | 1288.9 | 1280.4 | 1254.4 | 1207.8 | 1144.6 | 1061.7 | 960.5 | 846.0 | 724.1 | 606.5 | 507.6 |
| 125° | 1212.4 | 1204.4 | 1179.2 | 1140.9 | 1082.5 | 1006.8 | 918.2 | 814.4 | 704.5 | 600.7 | 516.0 |
| 127.5° | 1145.6 | 1139.1 | 1117.3 | 1081.5 | 1030.5 | 960.7 | 877.1 | 783.2 | 686.4 | 597.2 | 524.7 |
| 130° | 1107.6 | 1099.5 | 1079.4 | 1045.2 | 995.8 | 929.3 | 849.6 | 763.0 | 674.3 | 595.6 | 531.2 |
| 132.5° | 1068.1 | 1060.9 | 1042.4 | 1008.0 | 959.5 | 897.0 | 823.8 | 743.6 | 664.6 | 594.8 | 537.6 |
| 135° | 1004.8 | 1000.8 | 982.7 | 949.4 | 906.1 | 849.6 | 783.2 | 716.6 | 651.1 | 593.6 | 545.2 |
| 137.5° | 942.8 | 936.8 | 920.8 | 892.2 | 852.6 | 803.4 | 750.6 | 695.0 | 641.6 | 593.4 | 552.1 |
| 140° | 900.0 | 894.0 | 878.9 | 852.6 | 820.4 | 776.1 | 729.7 | 681.4 | 636.0 | 592.6 | 555.3 |
| 142.5° | 857.3 | 856.1 | 842.6 | 818.8 | 788.2 | 751.0 | 711.1 | 670.0 | 630.4 | 592.6 | 557.7 |
| 145° | 802.2 | 799.2 | 789.2 | 772.0 | 747.8 | 718.6 | 687.4 | 654.1 | 622.9 | 590.6 | 560.4 |
| 147.5° | 756.1 | 754.3 | 747.4 | 733.8 | 713.8 | 692.4 | 668.0 | 641.8 | 615.2 | 587.0 | 561.2 |
| 150° | 728.7 | 727.7 | 721.6 | 709.5 | 694.4 | 676.3 | 655.1 | 633.0 | 608.7 | 584.6 | 560.4 |
| 152.5° | 705.3 | 705.1 | 700.6 | 690.1 | 678.3 | 662.6 | 644.6 | 624.1 | 603.1 | 580.6 | 558.8 |
| 155° | 674.3 | 676.3 | 672.3 | 665.2 | 654.1 | 643.0 | 627.9 | 611.8 | 592.6 | 573.5 | 556.3 |
| 157.5° | 647.8 | 647.8 | 646.0 | 640.2 | 632.4 | 623.7 | 611.0 | 597.4 | 582.8 | 566.2 | 551.7 |
| 160° | 631.0 | 631.0 | 630.0 | 624.9 | 617.8 | 610.8 | 599.7 | 588.5 | 575.5 | 561.4 | 549.3 |
| 162.5° | 614.8 | 615.6 | 614.6 | 611.2 | 604.1 | 598.6 | 589.2 | 579.8 | 569.1 | 557.3 | 546.8 |
| 165° | 591.6 | 592.6 | 592.6 | 588.5 | 584.6 | 580.6 | 573.5 | 566.4 | 558.4 | 549.3 | 542.2 |
| 167.5° | 570.3 | 571.5 | 571.7 | 569.5 | 567.6 | 564.0 | 559.2 | 553.7 | 547.9 | 542.2 | 537.6 |
| 170° | 557.3 | 559.4 | 560.4 | 557.3 | 556.3 | 554.3 | 550.3 | 547.2 | 542.2 | 538.2 | 535.2 |
| 172.5° | 546.8 | 548.1 | 549.1 | 547.6 | 546.6 | 545.4 | 542.2 | 540.0 | 536.6 | 533.4 | 532.0 |
| 175° | 533.2 | 535.2 | 536.2 | 535.2 | 535.2 | 534.2 | 533.2 | 532.2 | 529.2 | 528.2 | 527.1 |
| 177.5° | 524.9 | 526.5 | 527.4 | 527.4 | 527.4 | 527.4 | 526.5 | 526.5 | 524.9 | 524.1 | 524.9 |
| 180° | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 |



TEST NUMBER: P331635-840

CATALOG NUMBER: SA2XXRDIP-C290D925U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 |
| 2.5° | 676.0 | 674.5 | 673.2 | 669.9 | 668.2 | 664.6 | 664.1 | 663.9 | 659.1 | 654.5 | 653.2 |
| 5° | 699.2 | 695.5 | 690.0 | 683.6 | 676.9 | 670.0 | 665.5 | 661.8 | 652.6 | 643.9 | 638.8 |
| 7.5° | 722.6 | 714.7 | 705.2 | 693.1 | 682.9 | 671.6 | 663.1 | 655.5 | 642.5 | 630.0 | 621.6 |
| 10° | 740.0 | 727.2 | 714.6 | 697.8 | 684.7 | 671.9 | 659.9 | 649.6 | 635.0 | 618.4 | 606.7 |
| 12.5° | 750.8 | 736.7 | 719.3 | 703.0 | 686.0 | 669.6 | 653.7 | 640.5 | 623.2 | 606.1 | 592.3 |
| 15° | 765.5 | 750.3 | 729.2 | 705.8 | 684.1 | 662.7 | 644.4 | 627.8 | 605.4 | 584.9 | 567.9 |
| 17.5° | 777.5 | 756.6 | 734.0 | 706.9 | 681.7 | 654.6 | 631.0 | 609.9 | 584.8 | 560.2 | 540.2 |
| 20° | 781.3 | 760.6 | 734.5 | 707.4 | 677.6 | 645.7 | 620.3 | 597.3 | 570.5 | 543.6 | 520.7 |
| 22.5° | 778.9 | 762.9 | 733.8 | 701.4 | 670.9 | 637.5 | 608.7 | 582.1 | 552.3 | 524.9 | 498.4 |
| 25° | 762.8 | 757.2 | 729.7 | 694.4 | 659.5 | 620.8 | 587.4 | 558.4 | 524.4 | 495.0 | 466.2 |
| 27.5° | 725.0 | 736.9 | 719.8 | 682.2 | 643.4 | 601.9 | 564.4 | 531.3 | 496.0 | 463.0 | 434.2 |
| 30° | 688.6 | 715.9 | 708.6 | 673.7 | 630.4 | 589.6 | 547.5 | 512.9 | 475.3 | 441.3 | 412.9 |
| 32.5° | 638.9 | 684.0 | 691.2 | 662.0 | 617.1 | 572.3 | 528.3 | 493.8 | 454.5 | 418.8 | 391.0 |
| 35° | 559.7 | 627.1 | 658.1 | 639.5 | 594.6 | 546.1 | 500.8 | 460.6 | 421.1 | 385.9 | 358.3 |
| 37.5° | 465.2 | 557.1 | 608.7 | 610.1 | 568.8 | 518.5 | 469.0 | 429.1 | 388.7 | 354.1 | 324.3 |
| 40° | 403.9 | 503.5 | 570.8 | 585.6 | 550.8 | 496.4 | 446.4 | 405.8 | 366.4 | 332.3 | 298.2 |
| 42.5° | 348.9 | 448.1 | 530.7 | 556.6 | 529.0 | 474.9 | 424.7 | 382.3 | 344.0 | 311.8 | 276.9 |
| 45° | 282.2 | 368.9 | 459.9 | 506.2 | 490.9 | 440.9 | 387.9 | 347.5 | 311.5 | 283.8 | 250.2 |
| 47.5° | 238.0 | 299.1 | 387.3 | 449.9 | 449.7 | 404.0 | 351.8 | 313.3 | 279.8 | 253.8 | 226.7 |
| 50° | 212.9 | 266.1 | 340.6 | 411.7 | 417.7 | 379.4 | 329.8 | 291.5 | 260.3 | 233.1 | 211.3 |
| 52.5° | 190.3 | 234.2 | 301.1 | 369.4 | 386.4 | 353.1 | 305.1 | 269.7 | 239.4 | 214.3 | 195.7 |
| 55° | 160.8 | 194.8 | 245.7 | 309.4 | 335.2 | 311.7 | 269.0 | 236.0 | 211.5 | 190.4 | 174.3 |
| 57.5° | 136.0 | 161.5 | 202.4 | 253.7 | 283.6 | 268.9 | 233.7 | 206.8 | 185.8 | 166.7 | 154.1 |
| 60° | 120.5 | 141.3 | 175.9 | 218.8 | 251.9 | 241.6 | 211.5 | 186.5 | 168.6 | 152.1 | 140.2 |
| 62.5° | 105.7 | 123.7 | 153.4 | 188.2 | 218.4 | 214.2 | 189.7 | 168.6 | 153.0 | 137.9 | 127.8 |
| 65° | 85.1 | 98.2 | 121.4 | 148.7 | 173.0 | 175.0 | 157.3 | 143.1 | 129.2 | 117.2 | 108.3 |
| 67.5° | 67.8 | 76.3 | 92.6 | 115.6 | 133.8 | 140.4 | 129.6 | 118.7 | 107.6 | 98.4 | 90.6 |
| 70° | 57.2 | 64.0 | 75.9 | 94.5 | 111.3 | 118.2 | 111.9 | 103.4 | 93.8 | 86.2 | 79.6 |
| 72.5° | 46.3 | 53.0 | 61.8 | 75.4 | 89.8 | 97.3 | 95.0 | 89.0 | 81.2 | 74.8 | 68.6 |
| 75° | 34.8 | 37.0 | 42.9 | 52.1 | 63.3 | 69.8 | 71.3 | 68.2 | 61.9 | 57.2 | 53.4 |
| 77.5° | 25.8 | 27.1 | 29.9 | 34.6 | 42.0 | 47.8 | 50.1 | 49.7 | 45.4 | 42.7 | 39.2 |
| 80° | 20.6 | 21.3 | 22.7 | 24.7 | 30.3 | 36.1 | 37.7 | 37.7 | 34.6 | 33.5 | 30.1 |
| 82.5° | 15.7 | 16.2 | 17.1 | 18.2 | 20.7 | 25.8 | 27.6 | 27.9 | 26.1 | 24.5 | 21.8 |
| 85° | 9.0 | 8.7 | 9.2 | 9.9 | 10.3 | 11.7 | 14.4 | 14.9 | 14.4 | 12.6 | 11.9 |
| 87.5° | 8.6 | 7.4 | 6.4 | 5.6 | 5.4 | 5.0 | 5.3 | 5.6 | 5.4 | 5.7 | 5.7 |
| 90° | 27.2 | 20.2 | 15.1 | 12.1 | 10.1 | 8.1 | 4.0 | 1.0 | 4.0 | 8.1 | 10.1 |
| 92.5° | 100.6 | 68.6 | 45.7 | 36.3 | 29.4 | 25.0 | 17.8 | 12.3 | 17.8 | 25.0 | 29.4 |
| 95° | 232.8 | 145.1 | 98.8 | 74.6 | 58.5 | 49.4 | 39.3 | 35.2 | 39.3 | 49.4 | 58.5 |
| 97.5° | 313.7 | 191.5 | 133.2 | 105.8 | 87.3 | 73.6 | 62.9 | 57.5 | 62.9 | 73.6 | 87.3 |
| 100° | 330.6 | 207.6 | 154.2 | 126.0 | 105.8 | 89.7 | 80.6 | 77.6 | 80.6 | 89.7 | 105.8 |
| 102.5° | 331.4 | 222.2 | 172.8 | 144.5 | 123.6 | 107.4 | 98.4 | 96.1 | 98.4 | 107.4 | 123.6 |
| 105° | 336.6 | 246.9 | 199.5 | 171.4 | 149.2 | 134.0 | 127.0 | 123.0 | 127.0 | 134.0 | 149.2 |
| 107.5° | 350.5 | 272.4 | 226.4 | 197.9 | 176.0 | 162.1 | 155.2 | 152.0 | 155.2 | 162.1 | 176.0 |
| 110° | 361.8 | 289.2 | 244.9 | 215.7 | 194.5 | 181.4 | 175.4 | 171.4 | 175.4 | 181.4 | 194.5 |



TEST NUMBER: P331635-840

CATALOG NUMBER: SA2XXRDIP-C290D925U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 374.0 | 305.4 | 262.7 | 232.6 | 212.3 | 200.0 | 193.1 | 189.0 | 193.1 | 200.0 | 212.3 |
| 115° | 392.0 | 330.6 | 287.2 | 260.0 | 239.8 | 227.8 | 221.8 | 216.7 | 221.8 | 227.8 | 239.8 |
| 117.5° | 411.4 | 353.8 | 313.7 | 285.4 | 266.1 | 255.4 | 249.3 | 245.3 | 249.3 | 255.4 | 266.1 |
| 120° | 424.3 | 369.9 | 330.6 | 302.4 | 282.2 | 273.2 | 267.1 | 263.1 | 267.1 | 273.2 | 282.2 |
| 122.5° | 435.6 | 385.2 | 348.3 | 319.3 | 299.1 | 289.2 | 283.2 | 280.0 | 283.2 | 289.2 | 299.1 |
| 125° | 453.5 | 408.2 | 371.9 | 343.7 | 323.6 | 311.4 | 305.4 | 302.4 | 305.4 | 311.4 | 323.6 |
| 127.5° | 470.3 | 429.6 | 394.3 | 365.3 | 345.9 | 332.5 | 324.2 | 320.1 | 324.2 | 332.5 | 345.9 |
| 130° | 480.8 | 442.4 | 407.2 | 379.0 | 358.8 | 344.7 | 334.6 | 330.6 | 334.6 | 344.7 | 358.8 |
| 132.5° | 491.2 | 453.7 | 420.1 | 391.8 | 370.9 | 356.0 | 345.1 | 340.2 | 345.1 | 356.0 | 370.9 |
| 135° | 504.9 | 469.7 | 437.4 | 409.2 | 386.0 | 370.9 | 358.8 | 354.8 | 358.8 | 370.9 | 386.0 |
| 137.5° | 515.4 | 482.6 | 450.7 | 424.5 | 401.5 | 385.4 | 373.3 | 368.5 | 373.3 | 385.4 | 401.5 |
| 140° | 521.1 | 489.8 | 459.6 | 433.4 | 411.2 | 395.1 | 383.0 | 379.0 | 383.0 | 395.1 | 411.2 |
| 142.5° | 525.9 | 495.4 | 466.1 | 441.4 | 420.1 | 403.9 | 392.6 | 389.4 | 392.6 | 403.9 | 420.1 |
| 145° | 532.2 | 503.9 | 476.8 | 454.5 | 434.4 | 419.3 | 409.2 | 405.2 | 409.2 | 419.3 | 434.4 |
| 147.5° | 535.6 | 510.8 | 485.2 | 465.4 | 448.7 | 434.7 | 425.2 | 422.1 | 425.2 | 434.7 | 448.7 |
| 150° | 537.1 | 514.0 | 490.8 | 472.7 | 457.6 | 444.4 | 436.4 | 433.4 | 436.4 | 444.4 | 457.6 |
| 152.5° | 538.0 | 517.3 | 496.4 | 480.0 | 465.6 | 454.1 | 446.1 | 444.6 | 446.1 | 454.1 | 465.6 |
| 155° | 539.2 | 522.1 | 504.9 | 489.8 | 478.8 | 467.7 | 461.6 | 460.6 | 461.6 | 467.7 | 478.8 |
| 157.5° | 539.2 | 525.5 | 511.0 | 498.3 | 489.4 | 479.8 | 474.9 | 473.9 | 474.9 | 479.8 | 489.4 |
| 160° | 539.2 | 527.1 | 515.0 | 503.9 | 495.8 | 487.8 | 483.8 | 482.8 | 483.8 | 487.8 | 495.8 |
| 162.5° | 538.4 | 528.0 | 517.5 | 508.8 | 501.5 | 495.0 | 491.0 | 491.6 | 491.0 | 495.0 | 501.5 |
| 165° | 536.2 | 529.2 | 520.1 | 514.0 | 509.0 | 502.9 | 500.9 | 501.9 | 500.9 | 502.9 | 509.0 |
| 167.5° | 534.8 | 529.0 | 522.3 | 518.5 | 514.8 | 511.0 | 509.2 | 510.4 | 509.2 | 511.0 | 514.8 |
| 170° | 533.2 | 528.2 | 523.1 | 520.1 | 518.1 | 515.0 | 514.0 | 516.0 | 514.0 | 515.0 | 518.1 |
| 172.5° | 530.8 | 527.4 | 523.9 | 521.7 | 520.5 | 517.5 | 518.1 | 519.3 | 518.1 | 517.5 | 520.5 |
| 175° | 528.2 | 526.1 | 524.1 | 523.1 | 523.1 | 521.1 | 522.1 | 523.1 | 522.1 | 521.1 | 523.1 |
| 177.5° | 526.5 | 524.9 | 524.1 | 524.1 | 524.1 | 522.5 | 523.3 | 524.9 | 523.3 | 522.5 | 524.1 |
| 180° | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 |



TEST NUMBER: P331635-840

CATALOG NUMBER: SA2XXRDIP-C290D925U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 0° | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 |
| 2.5° | 650.9 | 649.5 | 647.1 | 643.5 | 641.3 | 637.4 | 634.9 | 636.3 | 636.7 | 636.3 | 636.0 |
| 5° | 633.4 | 628.5 | 621.9 | 615.4 | 609.5 | 603.1 | 599.4 | 597.8 | 594.6 | 592.8 | 591.8 |
| 7.5° | 612.2 | 603.9 | 594.5 | 583.3 | 573.8 | 563.8 | 558.8 | 556.2 | 549.7 | 546.1 | 543.0 |
| 10° | 596.4 | 583.3 | 573.9 | 559.3 | 550.3 | 537.2 | 528.3 | 528.6 | 519.6 | 514.5 | 510.9 |
| 12.5° | 579.0 | 564.6 | 549.0 | 535.7 | 523.3 | 512.8 | 502.0 | 497.7 | 488.2 | 483.3 | 473.4 |
| 15° | 550.1 | 533.3 | 516.8 | 499.0 | 486.4 | 470.0 | 454.4 | 435.4 | 420.0 | 406.7 | 403.0 |
| 17.5° | 518.6 | 497.8 | 481.2 | 460.2 | 438.6 | 411.2 | 393.1 | 382.0 | 372.8 | 365.8 | 360.5 |
| 20° | 496.9 | 475.7 | 458.1 | 426.5 | 397.3 | 378.7 | 365.5 | 356.9 | 347.3 | 339.7 | 335.6 |
| 22.5° | 474.1 | 452.1 | 428.0 | 392.6 | 369.9 | 355.1 | 343.3 | 333.5 | 326.9 | 321.0 | 317.2 |
| 25° | 441.8 | 417.7 | 378.0 | 353.8 | 335.4 | 319.7 | 311.5 | 305.6 | 298.7 | 290.6 | 287.0 |
| 27.5° | 407.7 | 369.4 | 340.8 | 322.8 | 305.3 | 295.2 | 287.7 | 278.8 | 272.7 | 269.0 | 265.2 |
| 30° | 382.1 | 343.9 | 321.6 | 301.8 | 289.5 | 278.2 | 269.5 | 264.5 | 258.5 | 252.4 | 249.8 |
| 32.5° | 353.8 | 323.2 | 301.7 | 285.4 | 272.8 | 263.2 | 256.3 | 248.1 | 243.9 | 240.0 | 234.8 |
| 35° | 318.4 | 295.2 | 275.7 | 262.5 | 250.4 | 242.7 | 234.7 | 229.8 | 222.1 | 218.8 | 216.8 |
| 37.5° | 288.5 | 268.4 | 253.9 | 239.8 | 230.4 | 221.8 | 216.8 | 209.1 | 205.8 | 201.3 | 196.9 |
| 40° | 271.6 | 251.9 | 237.9 | 226.4 | 215.8 | 209.4 | 203.3 | 197.0 | 192.0 | 190.0 | 184.7 |
| 42.5° | 254.4 | 238.3 | 224.3 | 211.8 | 204.7 | 197.8 | 190.1 | 185.5 | 180.3 | 176.9 | 173.7 |
| 45° | 230.6 | 216.3 | 204.4 | 194.1 | 186.2 | 179.2 | 174.1 | 166.5 | 163.6 | 156.9 | 154.1 |
| 47.5° | 209.6 | 196.4 | 185.0 | 175.2 | 167.6 | 163.0 | 155.6 | 149.7 | 144.9 | 140.8 | 137.2 |
| 50° | 194.8 | 183.7 | 172.7 | 164.0 | 157.1 | 150.5 | 142.9 | 140.0 | 132.6 | 130.5 | 128.5 |
| 52.5° | 181.2 | 170.7 | 160.7 | 152.1 | 145.2 | 138.8 | 132.1 | 128.2 | 123.2 | 121.2 | 119.7 |
| 55° | 162.2 | 152.1 | 142.5 | 134.9 | 128.1 | 121.4 | 117.2 | 112.4 | 110.1 | 108.5 | 106.6 |
| 57.5° | 143.1 | 134.0 | 126.6 | 119.0 | 112.0 | 106.7 | 102.0 | 99.1 | 96.7 | 94.6 | 92.4 |
| 60° | 131.0 | 122.3 | 115.6 | 108.5 | 101.4 | 97.0 | 93.4 | 89.9 | 87.2 | 83.9 | 83.0 |
| 62.5° | 118.2 | 110.5 | 104.4 | 97.5 | 91.3 | 87.4 | 83.8 | 80.6 | 77.3 | 72.6 | 71.3 |
| 65° | 100.5 | 94.5 | 88.1 | 82.3 | 76.9 | 72.9 | 67.9 | 64.2 | 62.8 | 62.4 | 62.2 |
| 67.5° | 84.5 | 78.9 | 73.3 | 67.5 | 62.5 | 58.9 | 56.2 | 55.7 | 54.7 | 54.5 | 53.8 |
| 70° | 73.8 | 68.6 | 63.1 | 57.6 | 52.7 | 52.1 | 51.2 | 50.2 | 49.1 | 48.7 | 48.2 |
| 72.5° | 64.3 | 58.9 | 53.3 | 49.0 | 46.9 | 46.0 | 45.1 | 44.1 | 43.4 | 42.9 | 42.7 |
| 75° | 49.3 | 44.2 | 40.6 | 39.0 | 37.9 | 37.2 | 35.7 | 35.1 | 34.6 | 33.9 | 33.7 |
| 77.5° | 35.5 | 32.6 | 31.0 | 30.0 | 28.8 | 28.1 | 27.3 | 26.6 | 26.1 | 26.0 | 25.5 |
| 80° | 27.1 | 25.7 | 24.5 | 23.1 | 22.7 | 21.8 | 21.6 | 20.9 | 21.1 | 20.4 | 20.4 |
| 82.5° | 21.0 | 19.3 | 18.3 | 17.7 | 17.2 | 16.5 | 16.3 | 16.0 | 16.0 | 15.5 | 15.5 |
| 85° | 10.8 | 10.3 | 9.9 | 9.4 | 9.4 | 8.7 | 9.0 | 8.7 | 8.7 | 8.3 | 8.1 |
| 87.5° | 5.9 | 6.4 | 7.0 | 8.4 | 9.6 | 9.6 | 9.4 | 9.0 | 8.6 | 9.0 | 9.0 |
| 90° | 12.1 | 15.1 | 20.2 | 27.2 | 33.2 | 34.2 | 33.2 | 32.2 | 30.2 | 32.2 | 33.2 |
| 92.5° | 36.3 | 45.7 | 68.6 | 100.6 | 129.2 | 131.0 | 110.7 | 87.9 | 75.4 | 67.0 | 60.7 |
| 95° | 74.6 | 98.8 | 145.1 | 232.8 | 349.7 | 395.1 | 345.7 | 264.1 | 202.6 | 160.3 | 138.0 |
| 97.5° | 105.8 | 133.2 | 191.5 | 313.7 | 508.0 | 674.5 | 707.5 | 616.2 | 504.1 | 395.1 | 322.3 |
| 100° | 126.0 | 154.2 | 207.6 | 330.6 | 548.3 | 796.2 | 941.4 | 920.2 | 795.2 | 657.1 | 535.2 |
| 102.5° | 144.5 | 172.8 | 222.2 | 331.4 | 533.0 | 800.2 | 1028.4 | 1119.3 | 1091.2 | 990.2 | 860.9 |
| 105° | 171.4 | 199.5 | 246.9 | 336.6 | 502.9 | 746.8 | 1014.9 | 1224.6 | 1338.5 | 1351.6 | 1318.3 |
| 107.5° | 197.9 | 226.4 | 272.4 | 350.5 | 488.0 | 689.6 | 926.5 | 1148.8 | 1320.3 | 1425.1 | 1473.9 |
| 110° | 215.7 | 244.9 | 289.2 | 361.8 | 484.8 | 662.2 | 870.8 | 1083.5 | 1263.8 | 1392.9 | 1475.5 |



TEST NUMBER: P331635-840

CATALOG NUMBER: SA2XXRDIP-C290D925U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 112.5° | 232.6 | 262.7 | 305.4 | 374.0 | 485.5 | 644.4 | 832.1 | 1023.8 | 1197.0 | 1334.8 | 1429.6 |
| 115° | 260.0 | 287.2 | 330.6 | 392.0 | 489.8 | 624.9 | 784.2 | 950.4 | 1105.6 | 1237.7 | 1341.5 |
| 117.5° | 285.4 | 313.7 | 353.8 | 411.4 | 497.1 | 615.4 | 753.9 | 895.1 | 1031.5 | 1151.1 | 1248.6 |
| 120° | 302.4 | 330.6 | 369.9 | 424.3 | 501.9 | 609.8 | 737.8 | 867.8 | 992.8 | 1099.5 | 1191.3 |
| 122.5° | 319.3 | 348.3 | 385.2 | 435.6 | 507.6 | 606.5 | 724.1 | 846.0 | 960.5 | 1061.7 | 1144.6 |
| 125° | 343.7 | 371.9 | 408.2 | 453.5 | 516.0 | 600.7 | 704.5 | 814.4 | 918.2 | 1006.8 | 1082.5 |
| 127.5° | 365.3 | 394.3 | 429.6 | 470.3 | 524.7 | 597.2 | 686.4 | 783.2 | 877.1 | 960.7 | 1030.5 |
| 130° | 379.0 | 407.2 | 442.4 | 480.8 | 531.2 | 595.6 | 674.3 | 763.0 | 849.6 | 929.3 | 995.8 |
| 132.5° | 391.8 | 420.1 | 453.7 | 491.2 | 537.6 | 594.8 | 664.6 | 743.6 | 823.8 | 897.0 | 959.5 |
| 135° | 409.2 | 437.4 | 469.7 | 504.9 | 545.2 | 593.6 | 651.1 | 716.6 | 783.2 | 849.6 | 906.1 |
| 137.5° | 424.5 | 450.7 | 482.6 | 515.4 | 552.1 | 593.4 | 641.6 | 695.0 | 750.6 | 803.4 | 852.6 |
| 140° | 433.4 | 459.6 | 489.8 | 521.1 | 555.3 | 592.6 | 636.0 | 681.4 | 729.7 | 776.1 | 820.4 |
| 142.5° | 441.4 | 466.1 | 495.4 | 525.9 | 557.7 | 592.6 | 630.4 | 670.0 | 711.1 | 751.0 | 788.2 |
| 145° | 454.5 | 476.8 | 503.9 | 532.2 | 560.4 | 590.6 | 622.9 | 654.1 | 687.4 | 718.6 | 747.8 |
| 147.5° | 465.4 | 485.2 | 510.8 | 535.6 | 561.2 | 587.0 | 615.2 | 641.8 | 668.0 | 692.4 | 713.8 |
| 150° | 472.7 | 490.8 | 514.0 | 537.1 | 560.4 | 584.6 | 608.7 | 633.0 | 655.1 | 676.3 | 694.4 |
| 152.5° | 480.0 | 496.4 | 517.3 | 538.0 | 558.8 | 580.6 | 603.1 | 624.1 | 644.6 | 662.6 | 678.3 |
| 155° | 489.8 | 504.9 | 522.1 | 539.2 | 556.3 | 573.5 | 592.6 | 611.8 | 627.9 | 643.0 | 654.1 |
| 157.5° | 498.3 | 511.0 | 525.5 | 539.2 | 551.7 | 566.2 | 582.8 | 597.4 | 611.0 | 623.7 | 632.4 |
| 160° | 503.9 | 515.0 | 527.1 | 539.2 | 549.3 | 561.4 | 575.5 | 588.5 | 599.7 | 610.8 | 617.8 |
| 162.5° | 508.8 | 517.5 | 528.0 | 538.4 | 546.8 | 557.3 | 569.1 | 579.8 | 589.2 | 598.6 | 604.1 |
| 165° | 514.0 | 520.1 | 529.2 | 536.2 | 542.2 | 549.3 | 558.4 | 566.4 | 573.5 | 580.6 | 584.6 |
| 167.5° | 518.5 | 522.3 | 529.0 | 534.8 | 537.6 | 542.2 | 547.9 | 553.7 | 559.2 | 564.0 | 567.6 |
| 170° | 520.1 | 523.1 | 528.2 | 533.2 | 535.2 | 538.2 | 542.2 | 547.2 | 550.3 | 554.3 | 556.3 |
| 172.5° | 521.7 | 523.9 | 527.4 | 530.8 | 532.0 | 533.4 | 536.6 | 540.0 | 542.2 | 545.4 | 546.6 |
| 175° | 523.1 | 524.1 | 526.1 | 528.2 | 527.1 | 528.2 | 529.2 | 532.2 | 533.2 | 534.2 | 535.2 |
| 177.5° | 524.1 | 524.1 | 524.9 | 526.5 | 524.9 | 524.1 | 524.9 | 526.5 | 526.5 | 527.4 | 527.4 |
| 180° | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 |



TEST NUMBER: P331635-840

CATALOG NUMBER: SA2XXRDIP-C290D925U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 |
| 2.5° | 634.0 | 634.3 | 633.8 | 634.1 | 633.8 | 634.3 | 634.0 | 636.0 | 636.3 | 636.7 | 636.3 |
| 5° | 590.7 | 587.9 | 587.4 | 586.8 | 587.4 | 587.9 | 590.7 | 591.8 | 592.8 | 594.6 | 597.8 |
| 7.5° | 539.1 | 538.7 | 537.5 | 535.8 | 537.5 | 538.7 | 539.1 | 543.0 | 546.1 | 549.7 | 556.2 |
| 10° | 505.8 | 504.6 | 504.4 | 502.8 | 504.4 | 504.6 | 505.8 | 510.9 | 514.5 | 519.6 | 528.6 |
| 12.5° | 466.9 | 459.5 | 458.8 | 454.7 | 458.8 | 459.5 | 466.9 | 473.4 | 483.3 | 488.2 | 497.7 |
| 15° | 397.6 | 396.2 | 391.5 | 388.6 | 391.5 | 396.2 | 397.6 | 403.0 | 406.7 | 420.0 | 435.4 |
| 17.5° | 357.9 | 353.4 | 351.9 | 351.3 | 351.9 | 353.4 | 357.9 | 360.5 | 365.8 | 372.8 | 382.0 |
| 20° | 332.3 | 328.3 | 327.6 | 327.1 | 327.6 | 328.3 | 332.3 | 335.6 | 339.7 | 347.3 | 356.9 |
| 22.5° | 314.8 | 310.4 | 308.7 | 307.3 | 308.7 | 310.4 | 314.8 | 317.2 | 321.0 | 326.9 | 333.5 |
| 25° | 284.7 | 283.1 | 282.2 | 281.7 | 282.2 | 283.1 | 284.7 | 287.0 | 290.6 | 298.7 | 305.6 |
| 27.5° | 261.2 | 257.6 | 256.9 | 255.7 | 256.9 | 257.6 | 261.2 | 265.2 | 269.0 | 272.7 | 278.8 |
| 30° | 247.7 | 246.6 | 245.0 | 243.6 | 245.0 | 246.6 | 247.7 | 249.8 | 252.4 | 258.5 | 264.5 |
| 32.5° | 232.0 | 231.0 | 229.5 | 228.9 | 229.5 | 231.0 | 232.0 | 234.8 | 240.0 | 243.9 | 248.1 |
| 35° | 214.5 | 211.3 | 209.8 | 207.8 | 209.8 | 211.3 | 214.5 | 216.8 | 218.8 | 222.1 | 229.8 |
| 37.5° | 196.0 | 194.3 | 192.4 | 193.1 | 192.4 | 194.3 | 196.0 | 196.9 | 201.3 | 205.8 | 209.1 |
| 40° | 181.7 | 180.6 | 180.1 | 179.9 | 180.1 | 180.6 | 181.7 | 184.7 | 190.0 | 192.0 | 197.0 |
| 42.5° | 170.3 | 167.1 | 165.9 | 165.9 | 165.9 | 167.1 | 170.3 | 173.7 | 176.9 | 180.3 | 185.5 |
| 45° | 153.0 | 150.1 | 147.9 | 148.1 | 147.9 | 150.1 | 153.0 | 154.1 | 156.9 | 163.6 | 166.5 |
| 47.5° | 135.3 | 135.2 | 133.9 | 134.3 | 133.9 | 135.2 | 135.3 | 137.2 | 140.8 | 144.9 | 149.7 |
| 50° | 126.8 | 125.5 | 124.5 | 124.8 | 124.5 | 125.5 | 126.8 | 128.5 | 130.5 | 132.6 | 140.0 |
| 52.5° | 118.8 | 117.5 | 116.8 | 117.9 | 116.8 | 117.5 | 118.8 | 119.7 | 121.2 | 123.2 | 128.2 |
| 55° | 105.5 | 104.1 | 103.9 | 103.7 | 103.9 | 104.1 | 105.5 | 106.6 | 108.5 | 110.1 | 112.4 |
| 57.5° | 90.7 | 89.8 | 88.4 | 87.9 | 88.4 | 89.8 | 90.7 | 92.4 | 94.6 | 96.7 | 99.1 |
| 60° | 80.1 | 78.3 | 75.9 | 75.7 | 75.9 | 78.3 | 80.1 | 83.0 | 83.9 | 87.2 | 89.9 |
| 62.5° | 70.3 | 70.0 | 69.5 | 69.5 | 69.5 | 70.0 | 70.3 | 71.3 | 72.6 | 77.3 | 80.6 |
| 65° | 61.7 | 61.5 | 61.7 | 61.9 | 61.7 | 61.5 | 61.7 | 62.2 | 62.4 | 62.8 | 64.2 |
| 67.5° | 53.7 | 53.3 | 52.9 | 53.1 | 52.9 | 53.3 | 53.7 | 53.8 | 54.5 | 54.7 | 55.7 |
| 70° | 47.7 | 47.5 | 47.3 | 47.3 | 47.3 | 47.5 | 47.7 | 48.2 | 48.7 | 49.1 | 50.2 |
| 72.5° | 41.8 | 41.8 | 41.6 | 41.4 | 41.6 | 41.8 | 41.8 | 42.7 | 42.9 | 43.4 | 44.1 |
| 75° | 33.5 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.5 | 33.7 | 33.9 | 34.6 | 35.1 |
| 77.5° | 25.5 | 25.2 | 25.0 | 24.8 | 25.0 | 25.2 | 25.5 | 25.5 | 26.0 | 26.1 | 26.6 |
| 80° | 20.2 | 20.0 | 19.7 | 19.7 | 19.7 | 20.0 | 20.2 | 20.4 | 20.4 | 21.1 | 20.9 |
| 82.5° | 15.5 | 15.1 | 15.1 | 14.9 | 15.1 | 15.1 | 15.5 | 15.5 | 15.5 | 16.0 | 16.0 |
| 85° | 8.3 | 8.5 | 8.3 | 8.7 | 8.3 | 8.5 | 8.3 | 8.1 | 8.3 | 8.7 | 8.7 |
| 87.5° | 9.0 | 8.9 | 9.0 | 8.9 | 9.0 | 8.9 | 9.0 | 9.0 | 9.0 | 8.6 | 9.0 |
| 90° | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 32.2 | 30.2 | 32.2 |
| 92.5° | 59.9 | 56.7 | 57.5 | 55.8 | 57.5 | 56.7 | 59.9 | 60.7 | 67.0 | 75.4 | 87.9 |
| 95° | 125.0 | 116.9 | 113.9 | 114.9 | 113.9 | 116.9 | 125.0 | 138.0 | 160.3 | 202.6 | 264.1 |
| 97.5° | 274.2 | 249.3 | 234.6 | 226.2 | 234.6 | 249.3 | 274.2 | 322.3 | 395.1 | 504.1 | 616.2 |
| 100° | 451.5 | 408.2 | 379.0 | 360.8 | 379.0 | 408.2 | 451.5 | 535.2 | 657.1 | 795.2 | 920.2 |
| 102.5° | 770.0 | 696.0 | 659.5 | 635.0 | 659.5 | 696.0 | 770.0 | 860.9 | 990.2 | 1091.2 | 1119.3 |
| 105° | 1255.8 | 1193.4 | 1149.9 | 1135.9 | 1149.9 | 1193.4 | 1255.8 | 1318.3 | 1351.6 | 1338.5 | 1224.6 |
| 107.5° | 1481.8 | 1478.3 | 1469.7 | 1451.0 | 1469.7 | 1478.3 | 1481.8 | 1473.9 | 1425.1 | 1320.3 | 1148.8 |
| 110° | 1518.8 | 1538.0 | 1547.1 | 1546.1 | 1547.1 | 1538.0 | 1518.8 | 1475.5 | 1392.9 | 1263.8 | 1083.5 |



TEST NUMBER: P331635-840

CATALOG NUMBER: SA2XXRDIP-C290D925U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1489.9 | 1521.9 | 1539.0 | 1544.5 | 1539.0 | 1521.9 | 1489.9 | 1429.6 | 1334.8 | 1197.0 | 1023.8 |
| 115° | 1413.0 | 1459.4 | 1485.6 | 1494.7 | 1485.6 | 1459.4 | 1413.0 | 1341.5 | 1237.7 | 1105.6 | 950.4 |
| 117.5° | 1321.5 | 1370.5 | 1398.2 | 1405.7 | 1398.2 | 1370.5 | 1321.5 | 1248.6 | 1151.1 | 1031.5 | 895.1 |
| 120° | 1261.8 | 1309.2 | 1338.5 | 1348.6 | 1338.5 | 1309.2 | 1261.8 | 1191.3 | 1099.5 | 992.8 | 867.8 |
| 122.5° | 1207.8 | 1254.4 | 1280.4 | 1288.9 | 1280.4 | 1254.4 | 1207.8 | 1144.6 | 1061.7 | 960.5 | 846.0 |
| 125° | 1140.9 | 1179.2 | 1204.4 | 1212.4 | 1204.4 | 1179.2 | 1140.9 | 1082.5 | 1006.8 | 918.2 | 814.4 |
| 127.5° | 1081.5 | 1117.3 | 1139.1 | 1145.6 | 1139.1 | 1117.3 | 1081.5 | 1030.5 | 960.7 | 877.1 | 783.2 |
| 130° | 1045.2 | 1079.4 | 1099.5 | 1107.6 | 1099.5 | 1079.4 | 1045.2 | 995.8 | 929.3 | 849.6 | 763.0 |
| 132.5° | 1008.0 | 1042.4 | 1060.9 | 1068.1 | 1060.9 | 1042.4 | 1008.0 | 959.5 | 897.0 | 823.8 | 743.6 |
| 135° | 949.4 | 982.7 | 1000.8 | 1004.8 | 1000.8 | 982.7 | 949.4 | 906.1 | 849.6 | 783.2 | 716.6 |
| 137.5° | 892.2 | 920.8 | 936.8 | 942.8 | 936.8 | 920.8 | 892.2 | 852.6 | 803.4 | 750.6 | 695.0 |
| 140° | 852.6 | 878.9 | 894.0 | 900.0 | 894.0 | 878.9 | 852.6 | 820.4 | 776.1 | 729.7 | 681.4 |
| 142.5° | 818.8 | 842.6 | 856.1 | 857.3 | 856.1 | 842.6 | 818.8 | 788.2 | 751.0 | 711.1 | 670.0 |
| 145° | 772.0 | 789.2 | 799.2 | 802.2 | 799.2 | 789.2 | 772.0 | 747.8 | 718.6 | 687.4 | 654.1 |
| 147.5° | 733.8 | 747.4 | 754.3 | 756.1 | 754.3 | 747.4 | 733.8 | 713.8 | 692.4 | 668.0 | 641.8 |
| 150° | 709.5 | 721.6 | 727.7 | 728.7 | 727.7 | 721.6 | 709.5 | 694.4 | 676.3 | 655.1 | 633.0 |
| 152.5° | 690.1 | 700.6 | 705.1 | 705.3 | 705.1 | 700.6 | 690.1 | 678.3 | 662.6 | 644.6 | 624.1 |
| 155° | 665.2 | 672.3 | 676.3 | 674.3 | 676.3 | 672.3 | 665.2 | 654.1 | 643.0 | 627.9 | 611.8 |
| 157.5° | 640.2 | 646.0 | 647.8 | 647.8 | 647.8 | 646.0 | 640.2 | 632.4 | 623.7 | 611.0 | 597.4 |
| 160° | 624.9 | 630.0 | 631.0 | 631.0 | 631.0 | 630.0 | 624.9 | 617.8 | 610.8 | 599.7 | 588.5 |
| 162.5° | 611.2 | 614.6 | 615.6 | 614.8 | 615.6 | 614.6 | 611.2 | 604.1 | 598.6 | 589.2 | 579.8 |
| 165° | 588.5 | 592.6 | 592.6 | 591.6 | 592.6 | 592.6 | 588.5 | 584.6 | 580.6 | 573.5 | 566.4 |
| 167.5° | 569.5 | 571.7 | 571.5 | 570.3 | 571.5 | 571.7 | 569.5 | 567.6 | 564.0 | 559.2 | 553.7 |
| 170° | 557.3 | 560.4 | 559.4 | 557.3 | 559.4 | 560.4 | 557.3 | 556.3 | 554.3 | 550.3 | 547.2 |
| 172.5° | 547.6 | 549.1 | 548.1 | 546.8 | 548.1 | 549.1 | 547.6 | 546.6 | 545.4 | 542.2 | 540.0 |
| 175° | 535.2 | 536.2 | 535.2 | 533.2 | 535.2 | 536.2 | 535.2 | 535.2 | 534.2 | 533.2 | 532.2 |
| 177.5° | 527.4 | 527.4 | 526.5 | 524.9 | 526.5 | 527.4 | 527.4 | 527.4 | 527.4 | 526.5 | 526.5 |
| 180° | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 |



TEST NUMBER: P331635-840

CATALOG NUMBER: SA2XXRDIP-C290D925U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 |
| 2.5° | 634.9 | 637.4 | 641.3 | 643.5 | 647.1 | 649.5 | 650.9 | 653.2 | 654.5 | 659.1 | 663.9 |
| 5° | 599.4 | 603.1 | 609.5 | 615.4 | 621.9 | 628.5 | 633.4 | 638.8 | 643.9 | 652.6 | 661.8 |
| 7.5° | 558.8 | 563.8 | 573.8 | 583.3 | 594.5 | 603.9 | 612.2 | 621.6 | 630.0 | 642.5 | 655.5 |
| 10° | 528.3 | 537.2 | 550.3 | 559.3 | 573.9 | 583.3 | 596.4 | 606.7 | 618.4 | 635.0 | 649.6 |
| 12.5° | 502.0 | 512.8 | 523.3 | 535.7 | 549.0 | 564.6 | 579.0 | 592.3 | 606.1 | 623.2 | 640.5 |
| 15° | 454.4 | 470.0 | 486.4 | 499.0 | 516.8 | 533.3 | 550.1 | 567.9 | 584.9 | 605.4 | 627.8 |
| 17.5° | 393.1 | 411.2 | 438.6 | 460.2 | 481.2 | 497.8 | 518.6 | 540.2 | 560.2 | 584.8 | 609.9 |
| 20° | 365.5 | 378.7 | 397.3 | 426.5 | 458.1 | 475.7 | 496.9 | 520.7 | 543.6 | 570.5 | 597.3 |
| 22.5° | 343.3 | 355.1 | 369.9 | 392.6 | 428.0 | 452.1 | 474.1 | 498.4 | 524.9 | 552.3 | 582.1 |
| 25° | 311.5 | 319.7 | 335.4 | 353.8 | 378.0 | 417.7 | 441.8 | 466.2 | 495.0 | 524.4 | 558.4 |
| 27.5° | 287.7 | 295.2 | 305.3 | 322.8 | 340.8 | 369.4 | 407.7 | 434.2 | 463.0 | 496.0 | 531.3 |
| 30° | 269.5 | 278.2 | 289.5 | 301.8 | 321.6 | 343.9 | 382.1 | 412.9 | 441.3 | 475.3 | 512.9 |
| 32.5° | 256.3 | 263.2 | 272.8 | 285.4 | 301.7 | 323.2 | 353.8 | 391.0 | 418.8 | 454.5 | 493.8 |
| 35° | 234.7 | 242.7 | 250.4 | 262.5 | 275.7 | 295.2 | 318.4 | 358.3 | 385.9 | 421.1 | 460.6 |
| 37.5° | 216.8 | 221.8 | 230.4 | 239.8 | 253.9 | 268.4 | 288.5 | 324.3 | 354.1 | 388.7 | 429.1 |
| 40° | 203.3 | 209.4 | 215.8 | 226.4 | 237.9 | 251.9 | 271.6 | 298.2 | 332.3 | 366.4 | 405.8 |
| 42.5° | 190.1 | 197.8 | 204.7 | 211.8 | 224.3 | 238.3 | 254.4 | 276.9 | 311.8 | 344.0 | 382.3 |
| 45° | 174.1 | 179.2 | 186.2 | 194.1 | 204.4 | 216.3 | 230.6 | 250.2 | 283.8 | 311.5 | 347.5 |
| 47.5° | 155.6 | 163.0 | 167.6 | 175.2 | 185.0 | 196.4 | 209.6 | 226.7 | 253.8 | 279.8 | 313.3 |
| 50° | 142.9 | 150.5 | 157.1 | 164.0 | 172.7 | 183.7 | 194.8 | 211.3 | 233.1 | 260.3 | 291.5 |
| 52.5° | 132.1 | 138.8 | 145.2 | 152.1 | 160.7 | 170.7 | 181.2 | 195.7 | 214.3 | 239.4 | 269.7 |
| 55° | 117.2 | 121.4 | 128.1 | 134.9 | 142.5 | 152.1 | 162.2 | 174.3 | 190.4 | 211.5 | 236.0 |
| 57.5° | 102.0 | 106.7 | 112.0 | 119.0 | 126.6 | 134.0 | 143.1 | 154.1 | 166.7 | 185.8 | 206.8 |
| 60° | 93.4 | 97.0 | 101.4 | 108.5 | 115.6 | 122.3 | 131.0 | 140.2 | 152.1 | 168.6 | 186.5 |
| 62.5° | 83.8 | 87.4 | 91.3 | 97.5 | 104.4 | 110.5 | 118.2 | 127.8 | 137.9 | 153.0 | 168.6 |
| 65° | 67.9 | 72.9 | 76.9 | 82.3 | 88.1 | 94.5 | 100.5 | 108.3 | 117.2 | 129.2 | 143.1 |
| 67.5° | 56.2 | 58.9 | 62.5 | 67.5 | 73.3 | 78.9 | 84.5 | 90.6 | 98.4 | 107.6 | 118.7 |
| 70° | 51.2 | 52.1 | 52.7 | 57.6 | 63.1 | 68.6 | 73.8 | 79.6 | 86.2 | 93.8 | 103.4 |
| 72.5° | 45.1 | 46.0 | 46.9 | 49.0 | 53.3 | 58.9 | 64.3 | 68.6 | 74.8 | 81.2 | 89.0 |
| 75° | 35.7 | 37.2 | 37.9 | 39.0 | 40.6 | 44.2 | 49.3 | 53.4 | 57.2 | 61.9 | 68.2 |
| 77.5° | 27.3 | 28.1 | 28.8 | 30.0 | 31.0 | 32.6 | 35.5 | 39.2 | 42.7 | 45.4 | 49.7 |
| 80° | 21.6 | 21.8 | 22.7 | 23.1 | 24.5 | 25.7 | 27.1 | 30.1 | 33.5 | 34.6 | 37.7 |
| 82.5° | 16.3 | 16.5 | 17.2 | 17.7 | 18.3 | 19.3 | 21.0 | 21.8 | 24.5 | 26.1 | 27.9 |
| 85° | 9.0 | 8.7 | 9.4 | 9.4 | 9.9 | 10.3 | 10.8 | 11.9 | 12.6 | 14.4 | 14.9 |
| 87.5° | 9.4 | 9.6 | 9.6 | 8.4 | 7.0 | 6.4 | 5.9 | 5.7 | 5.7 | 5.4 | 5.6 |
| 90° | 33.2 | 34.2 | 33.2 | 27.2 | 20.2 | 15.1 | 12.1 | 10.1 | 8.1 | 4.0 | 1.0 |
| 92.5° | 110.7 | 131.0 | 129.2 | 100.6 | 68.6 | 45.7 | 36.3 | 29.4 | 25.0 | 17.8 | 12.3 |
| 95° | 345.7 | 395.1 | 349.7 | 232.8 | 145.1 | 98.8 | 74.6 | 58.5 | 49.4 | 39.3 | 35.2 |
| 97.5° | 707.5 | 674.5 | 508.0 | 313.7 | 191.5 | 133.2 | 105.8 | 87.3 | 73.6 | 62.9 | 57.5 |
| 100° | 941.4 | 796.2 | 548.3 | 330.6 | 207.6 | 154.2 | 126.0 | 105.8 | 89.7 | 80.6 | 77.6 |
| 102.5° | 1028.4 | 800.2 | 533.0 | 331.4 | 222.2 | 172.8 | 144.5 | 123.6 | 107.4 | 98.4 | 96.1 |
| 105° | 1014.9 | 746.8 | 502.9 | 336.6 | 246.9 | 199.5 | 171.4 | 149.2 | 134.0 | 127.0 | 123.0 |
| 107.5° | 926.5 | 689.6 | 488.0 | 350.5 | 272.4 | 226.4 | 197.9 | 176.0 | 162.1 | 155.2 | 152.0 |
| 110° | 870.8 | 662.2 | 484.8 | 361.8 | 289.2 | 244.9 | 215.7 | 194.5 | 181.4 | 175.4 | 171.4 |



TEST NUMBER: P331635-840

CATALOG NUMBER: SA2XXRDIP-C290D925U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 832.1 | 644.4 | 485.5 | 374.0 | 305.4 | 262.7 | 232.6 | 212.3 | 200.0 | 193.1 | 189.0 |
| 115° | 784.2 | 624.9 | 489.8 | 392.0 | 330.6 | 287.2 | 260.0 | 239.8 | 227.8 | 221.8 | 216.7 |
| 117.5° | 753.9 | 615.4 | 497.1 | 411.4 | 353.8 | 313.7 | 285.4 | 266.1 | 255.4 | 249.3 | 245.3 |
| 120° | 737.8 | 609.8 | 501.9 | 424.3 | 369.9 | 330.6 | 302.4 | 282.2 | 273.2 | 267.1 | 263.1 |
| 122.5° | 724.1 | 606.5 | 507.6 | 435.6 | 385.2 | 348.3 | 319.3 | 299.1 | 289.2 | 283.2 | 280.0 |
| 125° | 704.5 | 600.7 | 516.0 | 453.5 | 408.2 | 371.9 | 343.7 | 323.6 | 311.4 | 305.4 | 302.4 |
| 127.5° | 686.4 | 597.2 | 524.7 | 470.3 | 429.6 | 394.3 | 365.3 | 345.9 | 332.5 | 324.2 | 320.1 |
| 130° | 674.3 | 595.6 | 531.2 | 480.8 | 442.4 | 407.2 | 379.0 | 358.8 | 344.7 | 334.6 | 330.6 |
| 132.5° | 664.6 | 594.8 | 537.6 | 491.2 | 453.7 | 420.1 | 391.8 | 370.9 | 356.0 | 345.1 | 340.2 |
| 135° | 651.1 | 593.6 | 545.2 | 504.9 | 469.7 | 437.4 | 409.2 | 386.0 | 370.9 | 358.8 | 354.8 |
| 137.5° | 641.6 | 593.4 | 552.1 | 515.4 | 482.6 | 450.7 | 424.5 | 401.5 | 385.4 | 373.3 | 368.5 |
| 140° | 636.0 | 592.6 | 555.3 | 521.1 | 489.8 | 459.6 | 433.4 | 411.2 | 395.1 | 383.0 | 379.0 |
| 142.5° | 630.4 | 592.6 | 557.7 | 525.9 | 495.4 | 466.1 | 441.4 | 420.1 | 403.9 | 392.6 | 389.4 |
| 145° | 622.9 | 590.6 | 560.4 | 532.2 | 503.9 | 476.8 | 454.5 | 434.4 | 419.3 | 409.2 | 405.2 |
| 147.5° | 615.2 | 587.0 | 561.2 | 535.6 | 510.8 | 485.2 | 465.4 | 448.7 | 434.7 | 425.2 | 422.1 |
| 150° | 608.7 | 584.6 | 560.4 | 537.1 | 514.0 | 490.8 | 472.7 | 457.6 | 444.4 | 436.4 | 433.4 |
| 152.5° | 603.1 | 580.6 | 558.8 | 538.0 | 517.3 | 496.4 | 480.0 | 465.6 | 454.1 | 446.1 | 444.6 |
| 155° | 592.6 | 573.5 | 556.3 | 539.2 | 522.1 | 504.9 | 489.8 | 478.8 | 467.7 | 461.6 | 460.6 |
| 157.5° | 582.8 | 566.2 | 551.7 | 539.2 | 525.5 | 511.0 | 498.3 | 489.4 | 479.8 | 474.9 | 473.9 |
| 160° | 575.5 | 561.4 | 549.3 | 539.2 | 527.1 | 515.0 | 503.9 | 495.8 | 487.8 | 483.8 | 482.8 |
| 162.5° | 569.1 | 557.3 | 546.8 | 538.4 | 528.0 | 517.5 | 508.8 | 501.5 | 495.0 | 491.0 | 491.6 |
| 165° | 558.4 | 549.3 | 542.2 | 536.2 | 529.2 | 520.1 | 514.0 | 509.0 | 502.9 | 500.9 | 501.9 |
| 167.5° | 547.9 | 542.2 | 537.6 | 534.8 | 529.0 | 522.3 | 518.5 | 514.8 | 511.0 | 509.2 | 510.4 |
| 170° | 542.2 | 538.2 | 535.2 | 533.2 | 528.2 | 523.1 | 520.1 | 518.1 | 515.0 | 514.0 | 516.0 |
| 172.5° | 536.6 | 533.4 | 532.0 | 530.8 | 527.4 | 523.9 | 521.7 | 520.5 | 517.5 | 518.1 | 519.3 |
| 175° | 529.2 | 528.2 | 527.1 | 528.2 | 526.1 | 524.1 | 523.1 | 523.1 | 521.1 | 522.1 | 523.1 |
| 177.5° | 524.9 | 524.1 | 524.9 | 526.5 | 524.9 | 524.1 | 524.1 | 524.1 | 522.5 | 523.3 | 524.9 |
| 180° | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 |



TEST NUMBER: P331635-840

CATALOG NUMBER: SA2XXRDIP-C290D925U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 0° | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 |
| 2.5° | 664.1 | 664.6 | 668.2 | 669.9 | 673.2 | 674.5 | 676.0 | 675.6 | 675.6 | 676.3 | 681.5 |
| 5° | 665.5 | 670.0 | 676.9 | 683.6 | 690.0 | 695.5 | 699.2 | 702.9 | 704.3 | 710.8 | 716.8 |
| 7.5° | 663.1 | 671.6 | 682.9 | 693.1 | 705.2 | 714.7 | 722.6 | 729.7 | 734.6 | 744.3 | 754.2 |
| 10° | 659.9 | 671.9 | 684.7 | 697.8 | 714.6 | 727.2 | 740.0 | 749.9 | 753.1 | 767.5 | 775.8 |
| 12.5° | 653.7 | 669.6 | 686.0 | 703.0 | 719.3 | 736.7 | 750.8 | 760.7 | 772.0 | 785.0 | 800.2 |
| 15° | 644.4 | 662.7 | 684.1 | 705.8 | 729.2 | 750.3 | 765.5 | 782.6 | 795.1 | 809.3 | 822.6 |
| 17.5° | 631.0 | 654.6 | 681.7 | 706.9 | 734.0 | 756.6 | 777.5 | 794.0 | 802.6 | 810.8 | 812.7 |
| 20° | 620.3 | 645.7 | 677.6 | 707.4 | 734.5 | 760.6 | 781.3 | 795.1 | 797.4 | 797.6 | 785.5 |
| 22.5° | 608.7 | 637.5 | 670.9 | 701.4 | 733.8 | 762.9 | 778.9 | 784.8 | 775.7 | 760.1 | 736.6 |
| 25° | 587.4 | 620.8 | 659.5 | 694.4 | 729.7 | 757.2 | 762.8 | 752.5 | 720.5 | 687.0 | 644.6 |
| 27.5° | 564.4 | 601.9 | 643.4 | 682.2 | 719.8 | 736.9 | 725.0 | 687.7 | 630.4 | 580.4 | 519.9 |
| 30° | 547.5 | 589.6 | 630.4 | 673.7 | 708.6 | 715.9 | 688.6 | 633.8 | 566.8 | 491.6 | 431.2 |
| 32.5° | 528.3 | 572.3 | 617.1 | 662.0 | 691.2 | 684.0 | 638.9 | 571.4 | 492.9 | 418.9 | 361.9 |
| 35° | 500.8 | 546.1 | 594.6 | 639.5 | 658.1 | 627.1 | 559.7 | 471.8 | 391.5 | 322.6 | 283.3 |
| 37.5° | 469.0 | 518.5 | 568.8 | 610.1 | 608.7 | 557.1 | 465.2 | 374.6 | 307.1 | 266.2 | 238.3 |
| 40° | 446.4 | 496.4 | 550.8 | 585.6 | 570.8 | 503.5 | 403.9 | 318.4 | 269.0 | 236.5 | 216.1 |
| 42.5° | 424.7 | 474.9 | 529.0 | 556.6 | 530.7 | 448.1 | 348.9 | 281.9 | 241.2 | 215.8 | 199.2 |
| 45° | 387.9 | 440.9 | 490.9 | 506.2 | 459.9 | 368.9 | 282.2 | 233.5 | 206.4 | 187.6 | 176.2 |
| 47.5° | 351.8 | 404.0 | 449.7 | 449.9 | 387.3 | 299.1 | 238.0 | 202.1 | 178.9 | 164.4 | 156.1 |
| 50° | 329.8 | 379.4 | 417.7 | 411.7 | 340.6 | 266.1 | 212.9 | 181.9 | 162.7 | 151.4 | 142.7 |
| 52.5° | 305.1 | 353.1 | 386.4 | 369.4 | 301.1 | 234.2 | 190.3 | 164.3 | 148.3 | 138.6 | 130.8 |
| 55° | 269.0 | 311.7 | 335.2 | 309.4 | 245.7 | 194.8 | 160.8 | 140.4 | 128.5 | 120.2 | 113.5 |
| 57.5° | 233.7 | 268.9 | 283.6 | 253.7 | 202.4 | 161.5 | 136.0 | 120.7 | 108.9 | 102.9 | 99.5 |
| 60° | 211.5 | 241.6 | 251.9 | 218.8 | 175.9 | 141.3 | 120.5 | 106.2 | 97.5 | 93.6 | 90.2 |
| 62.5° | 189.7 | 214.2 | 218.4 | 188.2 | 153.4 | 123.7 | 105.7 | 93.7 | 88.0 | 84.2 | 81.0 |
| 65° | 157.3 | 175.0 | 173.0 | 148.7 | 121.4 | 98.2 | 85.1 | 77.8 | 73.4 | 68.2 | 62.4 |
| 67.5° | 129.6 | 140.4 | 133.8 | 115.6 | 92.6 | 76.3 | 67.8 | 62.2 | 56.8 | 51.8 | 50.5 |
| 70° | 111.9 | 118.2 | 111.3 | 94.5 | 75.9 | 64.0 | 57.2 | 50.5 | 47.3 | 46.2 | 44.0 |
| 72.5° | 95.0 | 97.3 | 89.8 | 75.4 | 61.8 | 53.0 | 46.3 | 42.6 | 40.8 | 39.9 | 38.6 |
| 75° | 71.3 | 69.8 | 63.3 | 52.1 | 42.9 | 37.0 | 34.8 | 33.5 | 32.3 | 31.4 | 30.7 |
| 77.5° | 50.1 | 47.8 | 42.0 | 34.6 | 29.9 | 27.1 | 25.8 | 25.0 | 24.5 | 24.0 | 23.3 |
| 80° | 37.7 | 36.1 | 30.3 | 24.7 | 22.7 | 21.3 | 20.6 | 19.7 | 19.7 | 19.3 | 18.6 |
| 82.5° | 27.6 | 25.8 | 20.7 | 18.2 | 17.1 | 16.2 | 15.7 | 15.1 | 14.9 | 15.0 | 14.5 |
| 85° | 14.4 | 11.7 | 10.3 | 9.9 | 9.2 | 8.7 | 9.0 | 8.5 | 8.5 | 8.5 | 8.3 |
| 87.5° | 5.3 | 5.0 | 5.4 | 5.6 | 6.4 | 7.4 | 8.6 | 9.8 | 10.2 | 9.8 | 9.8 |
| 90° | 4.0 | 8.1 | 10.1 | 12.1 | 15.1 | 20.2 | 27.2 | 33.2 | 34.2 | 33.2 | 32.2 |
| 92.5° | 17.8 | 25.0 | 29.4 | 36.3 | 45.7 | 68.6 | 100.6 | 129.2 | 131.0 | 110.7 | 87.9 |
| 95° | 39.3 | 49.4 | 58.5 | 74.6 | 98.8 | 145.1 | 232.8 | 349.7 | 395.1 | 345.7 | 264.1 |
| 97.5° | 62.9 | 73.6 | 87.3 | 105.8 | 133.2 | 191.5 | 313.7 | 508.0 | 674.5 | 707.5 | 616.2 |
| 100° | 80.6 | 89.7 | 105.8 | 126.0 | 154.2 | 207.6 | 330.6 | 548.3 | 796.2 | 941.4 | 920.2 |
| 102.5° | 98.4 | 107.4 | 123.6 | 144.5 | 172.8 | 222.2 | 331.4 | 533.0 | 800.2 | 1028.4 | 1119.3 |
| 105° | 127.0 | 134.0 | 149.2 | 171.4 | 199.5 | 246.9 | 336.6 | 502.9 | 746.8 | 1014.9 | 1224.6 |
| 107.5° | 155.2 | 162.1 | 176.0 | 197.9 | 226.4 | 272.4 | 350.5 | 488.0 | 689.6 | 926.5 | 1148.8 |
| 110° | 175.4 | 181.4 | 194.5 | 215.7 | 244.9 | 289.2 | 361.8 | 484.8 | 662.2 | 870.8 | 1083.5 |



TEST NUMBER: P331635-840

CATALOG NUMBER: SA2XXRDIP-C290D925U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 193.1 | 200.0 | 212.3 | 232.6 | 262.7 | 305.4 | 374.0 | 485.5 | 644.4 | 832.1 | 1023.8 |
| 115° | 221.8 | 227.8 | 239.8 | 260.0 | 287.2 | 330.6 | 392.0 | 489.8 | 624.9 | 784.2 | 950.4 |
| 117.5° | 249.3 | 255.4 | 266.1 | 285.4 | 313.7 | 353.8 | 411.4 | 497.1 | 615.4 | 753.9 | 895.1 |
| 120° | 267.1 | 273.2 | 282.2 | 302.4 | 330.6 | 369.9 | 424.3 | 501.9 | 609.8 | 737.8 | 867.8 |
| 122.5° | 283.2 | 289.2 | 299.1 | 319.3 | 348.3 | 385.2 | 435.6 | 507.6 | 606.5 | 724.1 | 846.0 |
| 125° | 305.4 | 311.4 | 323.6 | 343.7 | 371.9 | 408.2 | 453.5 | 516.0 | 600.7 | 704.5 | 814.4 |
| 127.5° | 324.2 | 332.5 | 345.9 | 365.3 | 394.3 | 429.6 | 470.3 | 524.7 | 597.2 | 686.4 | 783.2 |
| 130° | 334.6 | 344.7 | 358.8 | 379.0 | 407.2 | 442.4 | 480.8 | 531.2 | 595.6 | 674.3 | 763.0 |
| 132.5° | 345.1 | 356.0 | 370.9 | 391.8 | 420.1 | 453.7 | 491.2 | 537.6 | 594.8 | 664.6 | 743.6 |
| 135° | 358.8 | 370.9 | 386.0 | 409.2 | 437.4 | 469.7 | 504.9 | 545.2 | 593.6 | 651.1 | 716.6 |
| 137.5° | 373.3 | 385.4 | 401.5 | 424.5 | 450.7 | 482.6 | 515.4 | 552.1 | 593.4 | 641.6 | 695.0 |
| 140° | 383.0 | 395.1 | 411.2 | 433.4 | 459.6 | 489.8 | 521.1 | 555.3 | 592.6 | 636.0 | 681.4 |
| 142.5° | 392.6 | 403.9 | 420.1 | 441.4 | 466.1 | 495.4 | 525.9 | 557.7 | 592.6 | 630.4 | 670.0 |
| 145° | 409.2 | 419.3 | 434.4 | 454.5 | 476.8 | 503.9 | 532.2 | 560.4 | 590.6 | 622.9 | 654.1 |
| 147.5° | 425.2 | 434.7 | 448.7 | 465.4 | 485.2 | 510.8 | 535.6 | 561.2 | 587.0 | 615.2 | 641.8 |
| 150° | 436.4 | 444.4 | 457.6 | 472.7 | 490.8 | 514.0 | 537.1 | 560.4 | 584.6 | 608.7 | 633.0 |
| 152.5° | 446.1 | 454.1 | 465.6 | 480.0 | 496.4 | 517.3 | 538.0 | 558.8 | 580.6 | 603.1 | 624.1 |
| 155° | 461.6 | 467.7 | 478.8 | 489.8 | 504.9 | 522.1 | 539.2 | 556.3 | 573.5 | 592.6 | 611.8 |
| 157.5° | 474.9 | 479.8 | 489.4 | 498.3 | 511.0 | 525.5 | 539.2 | 551.7 | 566.2 | 582.8 | 597.4 |
| 160° | 483.8 | 487.8 | 495.8 | 503.9 | 515.0 | 527.1 | 539.2 | 549.3 | 561.4 | 575.5 | 588.5 |
| 162.5° | 491.0 | 495.0 | 501.5 | 508.8 | 517.5 | 528.0 | 538.4 | 546.8 | 557.3 | 569.1 | 579.8 |
| 165° | 500.9 | 502.9 | 509.0 | 514.0 | 520.1 | 529.2 | 536.2 | 542.2 | 549.3 | 558.4 | 566.4 |
| 167.5° | 509.2 | 511.0 | 514.8 | 518.5 | 522.3 | 529.0 | 534.8 | 537.6 | 542.2 | 547.9 | 553.7 |
| 170° | 514.0 | 515.0 | 518.1 | 520.1 | 523.1 | 528.2 | 533.2 | 535.2 | 538.2 | 542.2 | 547.2 |
| 172.5° | 518.1 | 517.5 | 520.5 | 521.7 | 523.9 | 527.4 | 530.8 | 532.0 | 533.4 | 536.6 | 540.0 |
| 175° | 522.1 | 521.1 | 523.1 | 523.1 | 524.1 | 526.1 | 528.2 | 527.1 | 528.2 | 529.2 | 532.2 |
| 177.5° | 523.3 | 522.5 | 524.1 | 524.1 | 524.1 | 524.9 | 526.5 | 524.9 | 524.1 | 524.9 | 526.5 |
| 180° | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 |



TEST NUMBER: P331635-840

CATALOG NUMBER: SA2XXRDIP-C290D925U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 |
| 2.5° | 683.3 | 685.7 | 686.8 | 686.8 | 688.1 | 687.5 | 687.0 |
| 5° | 722.6 | 726.9 | 727.9 | 732.0 | 735.0 | 734.1 | 734.5 |
| 7.5° | 761.6 | 768.6 | 775.6 | 778.7 | 779.2 | 781.0 | 781.7 |
| 10° | 785.7 | 791.4 | 802.1 | 800.6 | 808.6 | 813.2 | 805.7 |
| 12.5° | 808.8 | 816.6 | 824.0 | 826.1 | 830.6 | 832.1 | 829.1 |
| 15° | 829.7 | 833.8 | 834.2 | 833.1 | 834.6 | 833.3 | 829.0 |
| 17.5° | 810.2 | 803.4 | 789.9 | 783.5 | 778.4 | 770.8 | 767.8 |
| 20° | 777.9 | 758.1 | 735.2 | 726.0 | 715.3 | 694.2 | 699.2 |
| 22.5° | 708.1 | 685.7 | 662.7 | 635.9 | 623.1 | 603.1 | 601.9 |
| 25° | 599.7 | 560.9 | 518.2 | 488.4 | 470.9 | 451.0 | 442.2 |
| 27.5° | 466.3 | 417.4 | 382.4 | 364.8 | 348.6 | 332.9 | 332.1 |
| 30° | 378.5 | 341.8 | 314.8 | 299.6 | 289.7 | 283.1 | 284.5 |
| 32.5° | 319.0 | 293.9 | 275.6 | 263.1 | 255.8 | 250.7 | 250.6 |
| 35° | 260.8 | 243.6 | 231.9 | 226.6 | 221.4 | 217.7 | 217.9 |
| 37.5° | 223.2 | 212.9 | 206.3 | 200.6 | 197.2 | 195.4 | 194.4 |
| 40° | 203.9 | 195.4 | 190.4 | 186.9 | 184.2 | 181.7 | 181.2 |
| 42.5° | 188.7 | 181.7 | 176.6 | 173.9 | 171.4 | 169.6 | 169.2 |
| 45° | 167.4 | 161.7 | 157.1 | 154.1 | 153.0 | 151.4 | 151.4 |
| 47.5° | 149.0 | 143.3 | 139.8 | 137.8 | 135.9 | 134.8 | 134.8 |
| 50° | 136.5 | 132.1 | 129.0 | 127.7 | 126.1 | 125.5 | 125.2 |
| 52.5° | 125.3 | 122.0 | 119.8 | 119.0 | 118.3 | 117.4 | 117.5 |
| 55° | 110.1 | 108.3 | 107.3 | 106.6 | 105.5 | 104.1 | 105.0 |
| 57.5° | 97.4 | 95.7 | 93.3 | 91.1 | 90.1 | 89.1 | 89.5 |
| 60° | 88.4 | 85.1 | 81.9 | 79.4 | 78.7 | 76.6 | 76.6 |
| 62.5° | 77.0 | 72.4 | 68.5 | 67.1 | 66.3 | 65.4 | 65.2 |
| 65° | 59.2 | 57.4 | 56.5 | 55.5 | 55.0 | 55.0 | 54.6 |
| 67.5° | 49.1 | 48.3 | 47.3 | 47.1 | 46.7 | 46.5 | 46.4 |
| 70° | 43.3 | 42.4 | 42.0 | 41.7 | 41.3 | 41.5 | 40.8 |
| 72.5° | 37.9 | 37.2 | 37.1 | 36.5 | 36.2 | 36.2 | 35.6 |
| 75° | 29.8 | 29.8 | 29.6 | 29.4 | 28.9 | 28.7 | 28.9 |
| 77.5° | 22.9 | 23.0 | 22.6 | 22.5 | 22.5 | 22.5 | 22.3 |
| 80° | 18.4 | 18.6 | 18.4 | 18.1 | 17.9 | 18.1 | 17.9 |
| 82.5° | 14.5 | 14.1 | 14.1 | 14.0 | 14.0 | 13.9 | 13.8 |
| 85° | 8.3 | 8.5 | 8.3 | 8.1 | 8.1 | 8.1 | 8.3 |
| 87.5° | 9.2 | 9.6 | 9.8 | 9.8 | 9.8 | 9.8 | 9.6 |
| 90° | 30.2 | 32.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| 92.5° | 75.4 | 67.0 | 60.7 | 59.9 | 56.7 | 57.5 | 55.8 |
| 95° | 202.6 | 160.3 | 138.0 | 125.0 | 116.9 | 113.9 | 114.9 |
| 97.5° | 504.1 | 395.1 | 322.3 | 274.2 | 249.3 | 234.6 | 226.2 |
| 100° | 795.2 | 657.1 | 535.2 | 451.5 | 408.2 | 379.0 | 360.8 |
| 102.5° | 1091.2 | 990.2 | 860.9 | 770.0 | 696.0 | 659.5 | 635.0 |
| 105° | 1338.5 | 1351.6 | 1318.3 | 1255.8 | 1193.4 | 1149.9 | 1135.9 |
| 107.5° | 1320.3 | 1425.1 | 1473.9 | 1481.8 | 1478.3 | 1469.7 | 1451.0 |
| 110° | 1263.8 | 1392.9 | 1475.5 | 1518.8 | 1538.0 | 1547.1 | 1546.1 |



TEST NUMBER: P331635-840

CATALOG NUMBER: SA2XXRDIP-C290D925U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1197.0 | 1334.8 | 1429.6 | 1489.9 | 1521.9 | 1539.0 | 1544.5 |
| 115° | 1105.6 | 1237.7 | 1341.5 | 1413.0 | 1459.4 | 1485.6 | 1494.7 |
| 117.5° | 1031.5 | 1151.1 | 1248.6 | 1321.5 | 1370.5 | 1398.2 | 1405.7 |
| 120° | 992.8 | 1099.5 | 1191.3 | 1261.8 | 1309.2 | 1338.5 | 1348.6 |
| 122.5° | 960.5 | 1061.7 | 1144.6 | 1207.8 | 1254.4 | 1280.4 | 1288.9 |
| 125° | 918.2 | 1006.8 | 1082.5 | 1140.9 | 1179.2 | 1204.4 | 1212.4 |
| 127.5° | 877.1 | 960.7 | 1030.5 | 1081.5 | 1117.3 | 1139.1 | 1145.6 |
| 130° | 849.6 | 929.3 | 995.8 | 1045.2 | 1079.4 | 1099.5 | 1107.6 |
| 132.5° | 823.8 | 897.0 | 959.5 | 1008.0 | 1042.4 | 1060.9 | 1068.1 |
| 135° | 783.2 | 849.6 | 906.1 | 949.4 | 982.7 | 1000.8 | 1004.8 |
| 137.5° | 750.6 | 803.4 | 852.6 | 892.2 | 920.8 | 936.8 | 942.8 |
| 140° | 729.7 | 776.1 | 820.4 | 852.6 | 878.9 | 894.0 | 900.0 |
| 142.5° | 711.1 | 751.0 | 788.2 | 818.8 | 842.6 | 856.1 | 857.3 |
| 145° | 687.4 | 718.6 | 747.8 | 772.0 | 789.2 | 799.2 | 802.2 |
| 147.5° | 668.0 | 692.4 | 713.8 | 733.8 | 747.4 | 754.3 | 756.1 |
| 150° | 655.1 | 676.3 | 694.4 | 709.5 | 721.6 | 727.7 | 728.7 |
| 152.5° | 644.6 | 662.6 | 678.3 | 690.1 | 700.6 | 705.1 | 705.3 |
| 155° | 627.9 | 643.0 | 654.1 | 665.2 | 672.3 | 676.3 | 674.3 |
| 157.5° | 611.0 | 623.7 | 632.4 | 640.2 | 646.0 | 647.8 | 647.8 |
| 160° | 599.7 | 610.8 | 617.8 | 624.9 | 630.0 | 631.0 | 631.0 |
| 162.5° | 589.2 | 598.6 | 604.1 | 611.2 | 614.6 | 615.6 | 614.8 |
| 165° | 573.5 | 580.6 | 584.6 | 588.5 | 592.6 | 592.6 | 591.6 |
| 167.5° | 559.2 | 564.0 | 567.6 | 569.5 | 571.7 | 571.5 | 570.3 |
| 170° | 550.3 | 554.3 | 556.3 | 557.3 | 560.4 | 559.4 | 557.3 |
| 172.5° | 542.2 | 545.4 | 546.6 | 547.6 | 549.1 | 548.1 | 546.8 |
| 175° | 533.2 | 534.2 | 535.2 | 535.2 | 536.2 | 535.2 | 533.2 |
| 177.5° | 526.5 | 527.4 | 527.4 | 527.4 | 527.4 | 526.5 | 524.9 |
| 180° | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 | 524.1 |

(END OF REPORT)