

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

Luminaire Tested: **SA2XXRDIP-C290D925U835-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331635
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-C290D925U835-4F0-1E-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

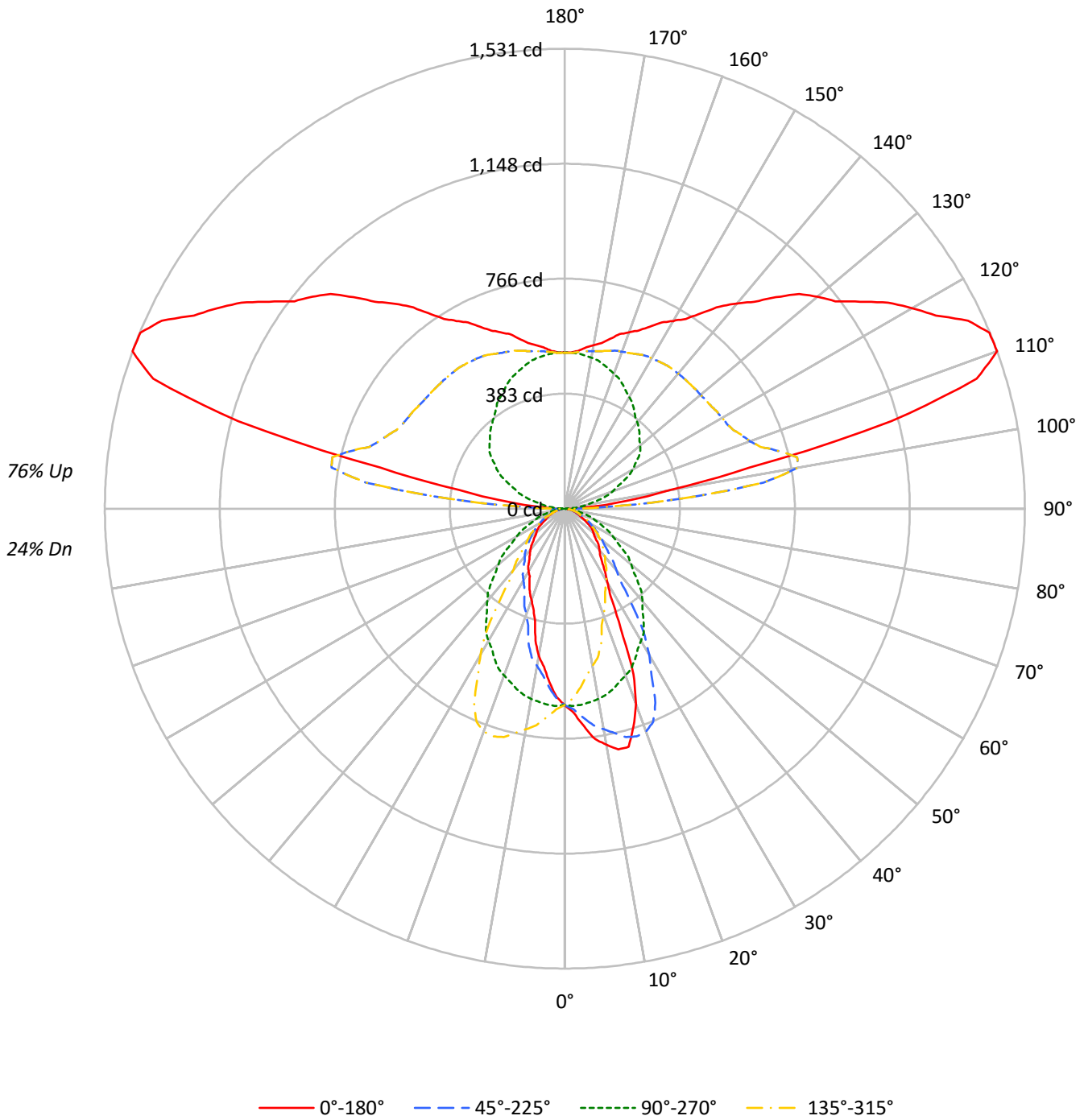
Lumens per Lamp: N/A
Luminaire Lumens: 4745.8 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

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
CATALOG NUMBER: SA2XXRDIP-C290D925U835-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P331635

CATALOG NUMBER: SA2XXRDIP-C290D925U835-4F0-1E-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° | 10555 | 10555 | 10555 | 10555 |
| 5° | 11788 | 10621 | 9418 | 10621 |
| 10° | 13080 | 10547 | 8163 | 10547 |
| 15° | 13722 | 10392 | 6432 | 10392 |
| 20° | 11897 | 10163 | 5565 | 10163 |
| 25° | 7801 | 9850 | 4969 | 9850 |
| 30° | 5252 | 9469 | 4497 | 9469 |
| 35° | 4254 | 8990 | 4056 | 8990 |
| 40° | 3781 | 8469 | 3754 | 8469 |
| 45° | 3423 | 7857 | 3350 | 7857 |
| 50° | 3115 | 7252 | 3105 | 7252 |
| 55° | 2928 | 6579 | 2891 | 6579 |
| 60° | 2451 | 5964 | 2422 | 5964 |
| 65° | 2067 | 5414 | 2342 | 5414 |
| 70° | 1907 | 4834 | 2209 | 4834 |
| 75° | 1784 | 4211 | 2040 | 4211 |
| 80° | 1646 | 3468 | 1813 | 3468 |
| 85° | 1519 | 2742 | 1593 | 2742 |



TEST NUMBER: P331635

CATALOG NUMBER: SA2XXRDIP-C290D925U835-4F0-1E-UDD-A4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 62.0 | 1.3 |
| 10°-20° | 172.7 | 3.6 |
| 20°-30° | 222.5 | 4.7 |
| 30°-40° | 211.5 | 4.5 |
| 40°-50° | 181.1 | 3.8 |
| 50°-60° | 137.9 | 2.9 |
| 60°-70° | 87.2 | 1.8 |
| 70°-80° | 43.5 | 0.9 |
| 80°-90° | 16.0 | 0.3 |
| 90°-100° | 207.5 | 4.4 |
| 100°-110° | 704.2 | 14.8 |
| 110°-120° | 748.1 | 15.8 |
| 120°-130° | 615.8 | 13.0 |
| 130°-140° | 494.5 | 10.4 |
| 140°-150° | 373.7 | 7.9 |
| 150°-160° | 262.6 | 5.5 |
| 160°-170° | 154.6 | 3.3 |
| 170°-180° | 50.3 | 1.1 |
| 0°-30° | 457.2 | 9.6 |
| 0°-40° | 668.6 | 14.1 |
| 0°-60° | 987.7 | 20.8 |
| 0°-90° | 1134.5 | 23.9 |
| 90°-120° | 1659.8 | 35.0 |
| 90°-150° | 3143.8 | 66.2 |
| 90°-180° | 3611.0 | 76.1 |
| 0°-180° | 4745.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|-----|------|------|------|------|
| 0° | 654 | 654 | 654 | 654 | 654 | |
| 5° | 727 | 655 | 581 | 655 | 727 | 72 |
| 15° | 821 | 622 | 385 | 622 | 821 | 221 |
| 25° | 438 | 553 | 279 | 553 | 438 | 208 |
| 35° | 216 | 456 | 206 | 456 | 216 | 138 |
| 45° | 150 | 344 | 147 | 344 | 150 | 116 |
| 55° | 104 | 234 | 103 | 234 | 104 | 91 |
| 65° | 54 | 142 | 61 | 142 | 54 | 55 |
| 75° | 29 | 68 | 33 | 68 | 29 | 30 |
| 85° | 8 | 15 | 9 | 15 | 8 | 10 |
| 90° | 33 | 1 | 33 | 1 | 33 | 18 |
| 95° | 114 | 35 | 114 | 35 | 114 | 148 |
| 105° | 1125 | 122 | 1125 | 122 | 1125 | 1088 |
| 115° | 1480 | 215 | 1480 | 215 | 1480 | 1449 |
| 125° | 1201 | 299 | 1201 | 299 | 1201 | 1085 |
| 135° | 995 | 351 | 995 | 351 | 995 | 773 |
| 145° | 794 | 401 | 794 | 401 | 794 | 505 |
| 155° | 668 | 456 | 668 | 456 | 668 | 312 |
| 165° | 586 | 497 | 586 | 497 | 586 | 168 |
| 175° | 528 | 518 | 528 | 518 | 528 | 51 |
| 180° | 519 | 519 | 519 | 519 | 519 | |



TEST NUMBER: P331635

CATALOG NUMBER: SA2XXRDIP-C290D925U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 0° | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 |
| 2.5° | 680.3 | 680.8 | 681.4 | 680.1 | 680.1 | 679.0 | 676.6 | 674.8 | 669.7 | 669.0 | 669.0 |
| 5° | 727.3 | 726.9 | 727.8 | 724.8 | 720.8 | 719.8 | 715.5 | 709.8 | 703.9 | 697.4 | 696.0 |
| 7.5° | 774.1 | 773.4 | 771.6 | 771.1 | 768.0 | 761.1 | 754.2 | 746.8 | 737.0 | 727.4 | 722.6 |
| 10° | 797.8 | 805.3 | 800.7 | 792.8 | 794.3 | 783.7 | 778.0 | 768.2 | 760.0 | 745.7 | 742.6 |
| 12.5° | 821.0 | 824.0 | 822.5 | 818.0 | 816.0 | 808.6 | 800.9 | 792.4 | 777.3 | 764.5 | 753.3 |
| 15° | 820.9 | 825.2 | 826.4 | 825.0 | 826.1 | 825.7 | 821.6 | 814.6 | 801.4 | 787.3 | 775.0 |
| 17.5° | 760.3 | 763.3 | 770.8 | 775.8 | 782.2 | 795.6 | 802.3 | 804.8 | 802.9 | 794.8 | 786.2 |
| 20° | 692.4 | 687.4 | 708.3 | 718.9 | 728.0 | 750.7 | 770.3 | 777.8 | 789.8 | 789.6 | 787.3 |
| 22.5° | 596.0 | 597.2 | 617.0 | 629.7 | 656.2 | 679.0 | 701.2 | 729.4 | 752.7 | 768.1 | 777.1 |
| 25° | 437.9 | 446.6 | 466.3 | 483.6 | 513.1 | 555.4 | 593.8 | 638.3 | 680.3 | 713.5 | 745.1 |
| 27.5° | 328.9 | 329.6 | 345.2 | 361.2 | 378.7 | 413.3 | 461.7 | 514.8 | 574.7 | 624.2 | 681.0 |
| 30° | 281.7 | 280.3 | 286.9 | 296.7 | 311.7 | 338.5 | 374.8 | 427.0 | 486.8 | 561.3 | 627.6 |
| 32.5° | 248.2 | 248.3 | 253.3 | 260.5 | 272.9 | 291.0 | 315.9 | 358.4 | 414.8 | 488.1 | 565.8 |
| 35° | 215.8 | 215.6 | 219.2 | 224.4 | 229.6 | 241.2 | 258.3 | 280.5 | 319.4 | 387.7 | 467.2 |
| 37.5° | 192.5 | 193.5 | 195.3 | 198.6 | 204.3 | 210.8 | 221.0 | 236.0 | 263.6 | 304.1 | 370.9 |
| 40° | 179.4 | 179.9 | 182.4 | 185.1 | 188.5 | 193.5 | 201.9 | 214.0 | 234.2 | 266.4 | 315.3 |
| 42.5° | 167.5 | 167.9 | 169.7 | 172.2 | 174.9 | 179.9 | 186.9 | 197.3 | 213.7 | 238.8 | 279.1 |
| 45° | 149.9 | 149.9 | 151.5 | 152.6 | 155.6 | 160.1 | 165.8 | 174.5 | 185.8 | 204.4 | 231.2 |
| 47.5° | 133.5 | 133.5 | 134.6 | 136.5 | 138.4 | 141.9 | 147.5 | 154.6 | 162.8 | 177.2 | 200.1 |
| 50° | 124.0 | 124.3 | 124.9 | 126.5 | 127.7 | 130.8 | 135.2 | 141.3 | 149.9 | 161.1 | 180.1 |
| 52.5° | 116.4 | 116.3 | 117.1 | 117.8 | 118.6 | 120.8 | 124.1 | 129.5 | 137.2 | 146.9 | 162.7 |
| 55° | 104.0 | 103.1 | 104.5 | 105.6 | 106.3 | 107.2 | 109.0 | 112.4 | 119.0 | 127.2 | 139.0 |
| 57.5° | 88.6 | 88.2 | 89.2 | 90.2 | 92.4 | 94.8 | 96.4 | 98.5 | 101.9 | 107.8 | 119.5 |
| 60° | 75.9 | 75.9 | 77.9 | 78.6 | 81.1 | 84.3 | 87.5 | 89.3 | 92.7 | 96.5 | 105.2 |
| 62.5° | 64.6 | 64.8 | 65.7 | 66.4 | 67.8 | 71.7 | 76.2 | 80.2 | 83.4 | 87.1 | 92.8 |
| 65° | 54.1 | 54.5 | 54.5 | 55.0 | 55.9 | 56.8 | 58.6 | 61.8 | 67.5 | 72.7 | 77.0 |
| 67.5° | 45.9 | 46.0 | 46.2 | 46.6 | 46.8 | 47.8 | 48.6 | 50.0 | 51.3 | 56.2 | 61.6 |
| 70° | 40.4 | 41.1 | 40.9 | 41.3 | 41.6 | 42.0 | 42.9 | 43.6 | 45.7 | 46.8 | 50.0 |
| 72.5° | 35.3 | 35.8 | 35.8 | 36.1 | 36.7 | 36.8 | 37.5 | 38.2 | 39.5 | 40.4 | 42.2 |
| 75° | 28.6 | 28.4 | 28.6 | 29.1 | 29.3 | 29.5 | 29.5 | 30.4 | 31.1 | 32.0 | 33.2 |
| 77.5° | 22.1 | 22.3 | 22.3 | 22.3 | 22.4 | 22.8 | 22.7 | 23.1 | 23.8 | 24.3 | 24.8 |
| 80° | 17.7 | 17.9 | 17.7 | 17.9 | 18.2 | 18.4 | 18.2 | 18.4 | 19.1 | 19.5 | 19.5 |
| 82.5° | 13.7 | 13.8 | 13.9 | 13.9 | 14.0 | 14.0 | 14.4 | 14.4 | 14.9 | 14.8 | 15.0 |
| 85° | 8.2 | 8.0 | 8.0 | 8.0 | 8.2 | 8.4 | 8.2 | 8.2 | 8.4 | 8.4 | 8.4 |
| 87.5° | 9.5 | 9.7 | 9.7 | 9.7 | 9.7 | 9.5 | 9.1 | 9.7 | 9.7 | 10.1 | 9.7 |
| 90° | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 31.9 | 29.9 | 31.9 | 32.9 | 33.9 | 32.9 |
| 92.5° | 55.3 | 56.9 | 56.1 | 59.3 | 60.1 | 66.3 | 74.7 | 87.0 | 109.6 | 129.7 | 127.9 |
| 95° | 113.8 | 112.8 | 115.8 | 123.8 | 136.7 | 158.7 | 200.6 | 261.5 | 342.3 | 391.2 | 346.3 |
| 97.5° | 224.0 | 232.3 | 246.9 | 271.5 | 319.2 | 391.2 | 499.2 | 610.2 | 700.6 | 667.9 | 503.0 |
| 100° | 357.3 | 375.3 | 404.2 | 447.1 | 530.0 | 650.7 | 787.4 | 911.2 | 932.2 | 788.4 | 542.9 |
| 102.5° | 628.8 | 653.1 | 689.2 | 762.5 | 852.5 | 980.5 | 1080.5 | 1108.4 | 1018.4 | 792.4 | 527.8 |
| 105° | 1124.8 | 1138.7 | 1181.7 | 1243.5 | 1305.4 | 1338.4 | 1325.4 | 1212.6 | 1005.0 | 739.5 | 498.0 |
| 107.5° | 1436.8 | 1455.3 | 1463.9 | 1467.3 | 1459.5 | 1411.2 | 1307.4 | 1137.6 | 917.4 | 682.9 | 483.2 |
| 110° | 1531.0 | 1532.0 | 1523.0 | 1504.0 | 1461.1 | 1379.3 | 1251.5 | 1072.9 | 862.3 | 655.7 | 480.1 |



TEST NUMBER: P331635

CATALOG NUMBER: SA2XXRDIP-C290D925U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 112.5° | 1529.4 | 1524.0 | 1507.0 | 1475.3 | 1415.6 | 1321.8 | 1185.3 | 1013.8 | 824.0 | 638.1 | 480.8 |
| 115° | 1480.1 | 1471.1 | 1445.1 | 1399.2 | 1328.4 | 1225.6 | 1094.8 | 941.1 | 776.5 | 618.8 | 485.0 |
| 117.5° | 1392.0 | 1384.5 | 1357.1 | 1308.6 | 1236.4 | 1139.9 | 1021.4 | 886.4 | 746.5 | 609.4 | 492.2 |
| 120° | 1335.4 | 1325.4 | 1296.4 | 1249.5 | 1179.7 | 1088.8 | 983.1 | 859.3 | 730.6 | 603.8 | 497.0 |
| 122.5° | 1276.3 | 1267.9 | 1242.1 | 1196.0 | 1133.4 | 1051.3 | 951.1 | 837.7 | 717.0 | 600.6 | 502.6 |
| 125° | 1200.6 | 1192.6 | 1167.7 | 1129.8 | 1071.9 | 997.0 | 909.2 | 806.4 | 697.6 | 594.8 | 511.0 |
| 127.5° | 1134.4 | 1128.0 | 1106.4 | 1070.9 | 1020.4 | 951.3 | 868.5 | 775.5 | 679.7 | 591.4 | 519.6 |
| 130° | 1096.8 | 1088.8 | 1068.9 | 1035.0 | 986.1 | 920.2 | 841.3 | 755.5 | 667.7 | 589.8 | 526.0 |
| 132.5° | 1057.7 | 1050.5 | 1032.2 | 998.2 | 950.1 | 888.2 | 815.8 | 736.3 | 658.1 | 589.0 | 532.3 |
| 135° | 995.0 | 991.0 | 973.1 | 940.1 | 897.2 | 841.3 | 775.5 | 709.6 | 644.7 | 587.8 | 539.9 |
| 137.5° | 933.6 | 927.6 | 911.8 | 883.5 | 844.3 | 795.6 | 743.3 | 688.2 | 635.3 | 587.6 | 546.7 |
| 140° | 891.2 | 885.3 | 870.3 | 844.3 | 812.4 | 768.5 | 722.6 | 674.7 | 629.8 | 586.8 | 549.9 |
| 142.5° | 848.9 | 847.7 | 834.4 | 810.8 | 780.5 | 743.7 | 704.2 | 663.5 | 624.2 | 586.8 | 552.3 |
| 145° | 794.4 | 791.4 | 781.5 | 764.5 | 740.5 | 711.6 | 680.7 | 647.7 | 616.8 | 584.8 | 554.9 |
| 147.5° | 748.7 | 746.9 | 740.1 | 726.6 | 706.8 | 685.6 | 661.5 | 635.5 | 609.2 | 581.3 | 555.7 |
| 150° | 721.6 | 720.6 | 714.6 | 702.6 | 687.6 | 669.7 | 648.7 | 626.8 | 602.8 | 578.9 | 554.9 |
| 152.5° | 698.4 | 698.2 | 693.8 | 683.4 | 671.7 | 656.1 | 638.3 | 618.0 | 597.2 | 574.9 | 553.3 |
| 155° | 667.7 | 669.7 | 665.7 | 658.7 | 647.7 | 636.7 | 621.8 | 605.8 | 586.8 | 567.9 | 550.9 |
| 157.5° | 641.5 | 641.5 | 639.7 | 633.9 | 626.2 | 617.6 | 605.0 | 591.6 | 577.1 | 560.7 | 546.3 |
| 160° | 624.8 | 624.8 | 623.8 | 618.8 | 611.8 | 604.8 | 593.8 | 582.8 | 569.9 | 555.9 | 543.9 |
| 162.5° | 608.8 | 609.6 | 608.6 | 605.2 | 598.2 | 592.8 | 583.4 | 574.1 | 563.5 | 551.9 | 541.5 |
| 165° | 585.8 | 586.8 | 586.8 | 582.8 | 578.9 | 574.9 | 567.9 | 560.9 | 552.9 | 543.9 | 536.9 |
| 167.5° | 564.7 | 565.9 | 566.1 | 563.9 | 562.1 | 558.5 | 553.7 | 548.3 | 542.5 | 536.9 | 532.3 |
| 170° | 551.9 | 553.9 | 554.9 | 551.9 | 550.9 | 548.9 | 544.9 | 541.9 | 536.9 | 532.9 | 530.0 |
| 172.5° | 541.5 | 542.7 | 543.7 | 542.3 | 541.3 | 540.1 | 536.9 | 534.7 | 531.4 | 528.2 | 526.8 |
| 175° | 528.0 | 530.0 | 531.0 | 530.0 | 530.0 | 529.0 | 528.0 | 527.0 | 524.0 | 523.0 | 522.0 |
| 177.5° | 519.8 | 521.4 | 522.2 | 522.2 | 522.2 | 522.2 | 521.4 | 521.4 | 519.8 | 519.0 | 519.8 |
| 180° | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 |



TEST NUMBER: P331635

CATALOG NUMBER: SA2XXRDIP-C290D925U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 |
| 2.5° | 669.4 | 667.9 | 666.6 | 663.4 | 661.7 | 658.1 | 657.6 | 657.4 | 652.7 | 648.1 | 646.8 |
| 5° | 692.4 | 688.7 | 683.3 | 676.9 | 670.3 | 663.5 | 659.0 | 655.3 | 646.2 | 637.6 | 632.6 |
| 7.5° | 715.5 | 707.7 | 698.3 | 686.3 | 676.2 | 665.0 | 656.6 | 649.1 | 636.2 | 623.8 | 615.5 |
| 10° | 732.8 | 720.1 | 707.6 | 691.0 | 678.0 | 665.3 | 653.5 | 643.3 | 628.8 | 612.4 | 600.8 |
| 12.5° | 743.5 | 729.5 | 712.3 | 696.1 | 679.3 | 663.1 | 647.3 | 634.2 | 617.1 | 600.2 | 586.5 |
| 15° | 758.0 | 743.0 | 722.1 | 698.9 | 677.4 | 656.2 | 638.1 | 621.7 | 599.5 | 579.2 | 562.4 |
| 17.5° | 769.9 | 749.2 | 726.8 | 700.0 | 675.0 | 648.2 | 624.8 | 603.9 | 579.1 | 554.7 | 534.9 |
| 20° | 773.7 | 753.2 | 727.3 | 700.5 | 671.0 | 639.4 | 614.2 | 591.5 | 564.9 | 538.3 | 515.6 |
| 22.5° | 771.3 | 755.4 | 726.6 | 694.5 | 664.3 | 631.3 | 602.8 | 576.4 | 546.9 | 519.8 | 493.5 |
| 25° | 755.3 | 749.8 | 722.6 | 687.6 | 653.1 | 614.7 | 581.7 | 552.9 | 519.3 | 490.2 | 461.6 |
| 27.5° | 717.9 | 729.7 | 712.8 | 675.5 | 637.1 | 596.0 | 558.9 | 526.1 | 491.2 | 458.5 | 430.0 |
| 30° | 681.9 | 708.9 | 701.7 | 667.1 | 624.2 | 583.8 | 542.2 | 507.9 | 470.7 | 437.0 | 408.9 |
| 32.5° | 632.7 | 677.3 | 684.4 | 655.5 | 611.1 | 566.7 | 523.1 | 489.0 | 450.1 | 414.7 | 387.2 |
| 35° | 554.2 | 621.0 | 651.7 | 633.3 | 588.8 | 540.8 | 495.9 | 456.1 | 417.0 | 382.1 | 354.8 |
| 37.5° | 460.7 | 551.7 | 602.8 | 604.1 | 563.2 | 513.4 | 464.4 | 424.9 | 384.9 | 350.6 | 321.1 |
| 40° | 400.0 | 498.6 | 565.2 | 579.9 | 545.4 | 491.6 | 442.0 | 401.8 | 362.8 | 329.1 | 295.3 |
| 42.5° | 345.5 | 443.7 | 525.5 | 551.2 | 523.8 | 470.3 | 420.6 | 378.6 | 340.6 | 308.8 | 274.2 |
| 45° | 279.4 | 365.3 | 455.4 | 501.3 | 486.1 | 436.6 | 384.1 | 344.1 | 308.5 | 281.0 | 247.8 |
| 47.5° | 235.7 | 296.2 | 383.5 | 445.5 | 445.3 | 400.1 | 348.4 | 310.2 | 277.1 | 251.3 | 224.5 |
| 50° | 210.8 | 263.5 | 337.3 | 407.7 | 413.6 | 375.7 | 326.6 | 288.7 | 257.8 | 230.8 | 209.2 |
| 52.5° | 188.4 | 231.9 | 298.2 | 365.8 | 382.6 | 349.7 | 302.1 | 267.1 | 237.1 | 212.2 | 193.8 |
| 55° | 159.2 | 192.9 | 243.3 | 306.4 | 331.9 | 308.7 | 266.4 | 233.7 | 209.4 | 188.5 | 172.6 |
| 57.5° | 134.7 | 159.9 | 200.4 | 251.2 | 280.8 | 266.3 | 231.4 | 204.8 | 184.0 | 165.1 | 152.6 |
| 60° | 119.3 | 139.9 | 174.2 | 216.7 | 249.4 | 239.2 | 209.4 | 184.7 | 167.0 | 150.6 | 138.8 |
| 62.5° | 104.7 | 122.5 | 151.9 | 186.4 | 216.3 | 212.1 | 187.8 | 167.0 | 151.5 | 136.6 | 126.6 |
| 65° | 84.3 | 97.2 | 120.2 | 147.2 | 171.3 | 173.3 | 155.8 | 141.7 | 127.9 | 116.1 | 107.2 |
| 67.5° | 67.1 | 75.6 | 91.7 | 114.5 | 132.5 | 139.0 | 128.3 | 117.5 | 106.5 | 97.4 | 89.7 |
| 70° | 56.6 | 63.4 | 75.2 | 93.6 | 110.2 | 117.0 | 110.8 | 102.4 | 92.9 | 85.4 | 78.8 |
| 72.5° | 45.8 | 52.5 | 61.2 | 74.7 | 88.9 | 96.3 | 94.1 | 88.1 | 80.4 | 74.1 | 67.9 |
| 75° | 34.5 | 36.6 | 42.5 | 51.6 | 62.7 | 69.1 | 70.6 | 67.5 | 61.3 | 56.6 | 52.9 |
| 77.5° | 25.5 | 26.8 | 29.6 | 34.3 | 41.6 | 47.3 | 49.6 | 49.2 | 45.0 | 42.3 | 38.8 |
| 80° | 20.4 | 21.1 | 22.5 | 24.5 | 30.0 | 35.7 | 37.3 | 37.3 | 34.3 | 33.2 | 29.8 |
| 82.5° | 15.5 | 16.0 | 16.9 | 18.0 | 20.5 | 25.5 | 27.3 | 27.6 | 25.8 | 24.3 | 21.6 |
| 85° | 8.9 | 8.6 | 9.1 | 9.8 | 10.2 | 11.6 | 14.3 | 14.8 | 14.3 | 12.5 | 11.8 |
| 87.5° | 8.5 | 7.3 | 6.3 | 5.5 | 5.3 | 5.0 | 5.2 | 5.5 | 5.3 | 5.6 | 5.6 |
| 90° | 26.9 | 20.0 | 15.0 | 12.0 | 10.0 | 8.0 | 4.0 | 1.0 | 4.0 | 8.0 | 10.0 |
| 92.5° | 99.6 | 67.9 | 45.3 | 35.9 | 29.1 | 24.8 | 17.6 | 12.2 | 17.6 | 24.8 | 29.1 |
| 95° | 230.5 | 143.7 | 97.8 | 73.9 | 57.9 | 48.9 | 38.9 | 34.9 | 38.9 | 48.9 | 57.9 |
| 97.5° | 310.6 | 189.6 | 131.9 | 104.8 | 86.4 | 72.9 | 62.3 | 56.9 | 62.3 | 72.9 | 86.4 |
| 100° | 327.4 | 205.6 | 152.7 | 124.8 | 104.8 | 88.8 | 79.8 | 76.8 | 79.8 | 88.8 | 104.8 |
| 102.5° | 328.2 | 220.0 | 171.1 | 143.1 | 122.4 | 106.4 | 97.4 | 95.2 | 97.4 | 106.4 | 122.4 |
| 105° | 333.3 | 244.5 | 197.6 | 169.7 | 147.7 | 132.7 | 125.8 | 121.8 | 125.8 | 132.7 | 147.7 |
| 107.5° | 347.1 | 269.7 | 224.2 | 196.0 | 174.3 | 160.5 | 153.7 | 150.5 | 153.7 | 160.5 | 174.3 |
| 110° | 358.3 | 286.4 | 242.5 | 213.6 | 192.6 | 179.6 | 173.7 | 169.7 | 173.7 | 179.6 | 192.6 |



TEST NUMBER: P331635

CATALOG NUMBER: SA2XXRDIP-C290D925U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 370.3 | 302.4 | 260.1 | 230.3 | 210.2 | 198.0 | 191.2 | 187.2 | 191.2 | 198.0 | 210.2 |
| 115° | 388.2 | 327.4 | 284.4 | 257.5 | 237.5 | 225.6 | 219.6 | 214.6 | 219.6 | 225.6 | 237.5 |
| 117.5° | 407.4 | 350.3 | 310.6 | 282.6 | 263.5 | 252.9 | 246.9 | 242.9 | 246.9 | 252.9 | 263.5 |
| 120° | 420.2 | 366.3 | 327.4 | 299.4 | 279.4 | 270.5 | 264.5 | 260.5 | 264.5 | 270.5 | 279.4 |
| 122.5° | 431.3 | 381.4 | 344.9 | 316.2 | 296.2 | 286.4 | 280.4 | 277.3 | 280.4 | 286.4 | 296.2 |
| 125° | 449.1 | 404.2 | 368.3 | 340.3 | 320.4 | 308.4 | 302.4 | 299.4 | 302.4 | 308.4 | 320.4 |
| 127.5° | 465.7 | 425.4 | 390.4 | 361.7 | 342.5 | 329.3 | 321.0 | 317.0 | 321.0 | 329.3 | 342.5 |
| 130° | 476.1 | 438.1 | 403.2 | 375.3 | 355.3 | 341.3 | 331.3 | 327.4 | 331.3 | 341.3 | 355.3 |
| 132.5° | 486.4 | 449.3 | 416.0 | 388.0 | 367.3 | 352.5 | 341.7 | 336.9 | 341.7 | 352.5 | 367.3 |
| 135° | 500.0 | 465.1 | 433.1 | 405.2 | 382.2 | 367.3 | 355.3 | 351.3 | 355.3 | 367.3 | 382.2 |
| 137.5° | 510.4 | 477.9 | 446.3 | 420.4 | 397.6 | 381.6 | 369.7 | 364.9 | 369.7 | 381.6 | 397.6 |
| 140° | 516.0 | 485.0 | 455.1 | 429.2 | 407.2 | 391.2 | 379.3 | 375.3 | 379.3 | 391.2 | 407.2 |
| 142.5° | 520.8 | 490.6 | 461.5 | 437.1 | 416.0 | 400.0 | 388.8 | 385.6 | 388.8 | 400.0 | 416.0 |
| 145° | 527.0 | 499.0 | 472.1 | 450.1 | 430.2 | 415.2 | 405.2 | 401.2 | 405.2 | 415.2 | 430.2 |
| 147.5° | 530.4 | 505.8 | 480.5 | 460.9 | 444.3 | 430.5 | 421.0 | 418.0 | 421.0 | 430.5 | 444.3 |
| 150° | 531.9 | 509.0 | 486.0 | 468.1 | 453.1 | 440.1 | 432.1 | 429.2 | 432.1 | 440.1 | 453.1 |
| 152.5° | 532.7 | 512.2 | 491.6 | 475.3 | 461.1 | 449.7 | 441.7 | 440.3 | 441.7 | 449.7 | 461.1 |
| 155° | 533.9 | 517.0 | 500.0 | 485.0 | 474.1 | 463.1 | 457.1 | 456.1 | 457.1 | 463.1 | 474.1 |
| 157.5° | 533.9 | 520.4 | 506.0 | 493.4 | 484.6 | 475.1 | 470.3 | 469.3 | 470.3 | 475.1 | 484.6 |
| 160° | 533.9 | 522.0 | 510.0 | 499.0 | 491.0 | 483.0 | 479.1 | 478.1 | 479.1 | 483.0 | 491.0 |
| 162.5° | 533.1 | 522.8 | 512.4 | 503.8 | 496.6 | 490.2 | 486.2 | 486.8 | 486.2 | 490.2 | 496.6 |
| 165° | 531.0 | 524.0 | 515.0 | 509.0 | 504.0 | 498.0 | 496.0 | 497.0 | 496.0 | 498.0 | 504.0 |
| 167.5° | 529.6 | 523.8 | 517.2 | 513.4 | 509.8 | 506.0 | 504.2 | 505.4 | 504.2 | 506.0 | 509.8 |
| 170° | 528.0 | 523.0 | 518.0 | 515.0 | 513.0 | 510.0 | 509.0 | 511.0 | 509.0 | 510.0 | 513.0 |
| 172.5° | 525.6 | 522.2 | 518.8 | 516.6 | 515.4 | 512.4 | 513.0 | 514.2 | 513.0 | 512.4 | 515.4 |
| 175° | 523.0 | 521.0 | 519.0 | 518.0 | 518.0 | 516.0 | 517.0 | 518.0 | 517.0 | 516.0 | 518.0 |
| 177.5° | 521.4 | 519.8 | 519.0 | 519.0 | 519.0 | 517.4 | 518.2 | 519.8 | 518.2 | 517.4 | 519.0 |
| 180° | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 |



TEST NUMBER: P331635

CATALOG NUMBER: SA2XXRDIP-C290D925U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 0° | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 |
| 2.5° | 644.5 | 643.2 | 640.8 | 637.2 | 635.0 | 631.2 | 628.7 | 630.1 | 630.5 | 630.1 | 629.8 |
| 5° | 627.2 | 622.4 | 615.8 | 609.4 | 603.5 | 597.2 | 593.5 | 592.0 | 588.8 | 587.0 | 586.0 |
| 7.5° | 606.2 | 598.0 | 588.7 | 577.6 | 568.2 | 558.3 | 553.3 | 550.8 | 544.3 | 540.8 | 537.7 |
| 10° | 590.6 | 577.6 | 568.3 | 553.8 | 544.9 | 532.0 | 523.1 | 523.4 | 514.5 | 509.5 | 505.9 |
| 12.5° | 573.3 | 559.1 | 543.6 | 530.5 | 518.2 | 507.8 | 497.1 | 492.8 | 483.4 | 478.6 | 468.8 |
| 15° | 544.7 | 528.1 | 511.8 | 494.1 | 481.6 | 465.4 | 450.0 | 431.1 | 415.9 | 402.7 | 399.1 |
| 17.5° | 513.5 | 492.9 | 476.5 | 455.7 | 434.3 | 407.2 | 389.3 | 378.3 | 369.2 | 362.2 | 357.0 |
| 20° | 492.0 | 471.1 | 453.6 | 422.3 | 393.4 | 375.0 | 361.9 | 353.4 | 343.9 | 336.4 | 332.3 |
| 22.5° | 469.5 | 447.7 | 423.8 | 388.8 | 366.3 | 351.6 | 339.9 | 330.2 | 323.7 | 317.9 | 314.1 |
| 25° | 437.5 | 413.6 | 374.3 | 350.3 | 332.1 | 316.6 | 308.5 | 302.6 | 295.8 | 287.8 | 284.2 |
| 27.5° | 403.7 | 365.8 | 337.5 | 319.6 | 302.3 | 292.3 | 284.9 | 276.1 | 270.0 | 266.4 | 262.6 |
| 30° | 378.4 | 340.5 | 318.5 | 298.9 | 286.7 | 275.5 | 266.9 | 261.9 | 256.0 | 249.9 | 247.4 |
| 32.5° | 350.3 | 320.0 | 298.8 | 282.6 | 270.1 | 260.6 | 253.8 | 245.7 | 241.5 | 237.7 | 232.5 |
| 35° | 315.3 | 292.3 | 273.0 | 259.9 | 248.0 | 240.3 | 232.4 | 227.6 | 219.9 | 216.7 | 214.7 |
| 37.5° | 285.7 | 265.8 | 251.4 | 237.5 | 228.1 | 219.6 | 214.7 | 207.1 | 203.8 | 199.3 | 195.0 |
| 40° | 268.9 | 249.4 | 235.6 | 224.2 | 213.7 | 207.4 | 201.3 | 195.1 | 190.1 | 188.1 | 182.9 |
| 42.5° | 251.9 | 236.0 | 222.1 | 209.7 | 202.7 | 195.9 | 188.2 | 183.7 | 178.5 | 175.2 | 172.0 |
| 45° | 228.3 | 214.2 | 202.4 | 192.2 | 184.4 | 177.4 | 172.4 | 164.9 | 162.0 | 155.4 | 152.6 |
| 47.5° | 207.6 | 194.5 | 183.2 | 173.5 | 166.0 | 161.4 | 154.1 | 148.2 | 143.5 | 139.4 | 135.9 |
| 50° | 192.9 | 181.9 | 171.0 | 162.4 | 155.6 | 149.0 | 141.5 | 138.6 | 131.3 | 129.2 | 127.2 |
| 52.5° | 179.4 | 169.0 | 159.1 | 150.6 | 143.8 | 137.4 | 130.8 | 126.9 | 122.0 | 120.0 | 118.5 |
| 55° | 160.6 | 150.6 | 141.1 | 133.6 | 126.8 | 120.2 | 116.1 | 111.3 | 109.0 | 107.4 | 105.6 |
| 57.5° | 141.7 | 132.7 | 125.4 | 117.8 | 110.9 | 105.7 | 101.0 | 98.1 | 95.8 | 93.7 | 91.5 |
| 60° | 129.7 | 121.1 | 114.5 | 107.4 | 100.4 | 96.1 | 92.5 | 89.0 | 86.3 | 83.1 | 82.2 |
| 62.5° | 117.0 | 109.4 | 103.4 | 96.5 | 90.4 | 86.5 | 83.0 | 79.8 | 76.5 | 71.9 | 70.6 |
| 65° | 99.5 | 93.6 | 87.2 | 81.5 | 76.1 | 72.2 | 67.2 | 63.6 | 62.2 | 61.8 | 61.6 |
| 67.5° | 83.7 | 78.1 | 72.6 | 66.8 | 61.9 | 58.3 | 55.7 | 55.2 | 54.2 | 54.0 | 53.3 |
| 70° | 73.1 | 67.9 | 62.5 | 57.0 | 52.2 | 51.6 | 50.7 | 49.7 | 48.6 | 48.2 | 47.7 |
| 72.5° | 63.7 | 58.3 | 52.8 | 48.5 | 46.4 | 45.6 | 44.7 | 43.7 | 43.0 | 42.5 | 42.3 |
| 75° | 48.8 | 43.8 | 40.2 | 38.6 | 37.5 | 36.8 | 35.4 | 34.8 | 34.3 | 33.6 | 33.4 |
| 77.5° | 35.2 | 32.3 | 30.7 | 29.7 | 28.5 | 27.8 | 27.0 | 26.3 | 25.8 | 25.7 | 25.3 |
| 80° | 26.8 | 25.4 | 24.3 | 22.9 | 22.5 | 21.6 | 21.4 | 20.7 | 20.9 | 20.2 | 20.2 |
| 82.5° | 20.8 | 19.1 | 18.1 | 17.5 | 17.0 | 16.3 | 16.1 | 15.8 | 15.8 | 15.3 | 15.3 |
| 85° | 10.7 | 10.2 | 9.8 | 9.3 | 9.3 | 8.6 | 8.9 | 8.6 | 8.6 | 8.2 | 8.0 |
| 87.5° | 5.8 | 6.3 | 6.9 | 8.3 | 9.5 | 9.5 | 9.3 | 8.9 | 8.5 | 8.9 | 8.9 |
| 90° | 12.0 | 15.0 | 20.0 | 26.9 | 32.9 | 33.9 | 32.9 | 31.9 | 29.9 | 31.9 | 32.9 |
| 92.5° | 35.9 | 45.3 | 67.9 | 99.6 | 127.9 | 129.7 | 109.6 | 87.0 | 74.7 | 66.3 | 60.1 |
| 95° | 73.9 | 97.8 | 143.7 | 230.5 | 346.3 | 391.2 | 342.3 | 261.5 | 200.6 | 158.7 | 136.7 |
| 97.5° | 104.8 | 131.9 | 189.6 | 310.6 | 503.0 | 667.9 | 700.6 | 610.2 | 499.2 | 391.2 | 319.2 |
| 100° | 124.8 | 152.7 | 205.6 | 327.4 | 542.9 | 788.4 | 932.2 | 911.2 | 787.4 | 650.7 | 530.0 |
| 102.5° | 143.1 | 171.1 | 220.0 | 328.2 | 527.8 | 792.4 | 1018.4 | 1108.4 | 1080.5 | 980.5 | 852.5 |
| 105° | 169.7 | 197.6 | 244.5 | 333.3 | 498.0 | 739.5 | 1005.0 | 1212.6 | 1325.4 | 1338.4 | 1305.4 |
| 107.5° | 196.0 | 224.2 | 269.7 | 347.1 | 483.2 | 682.9 | 917.4 | 1137.6 | 1307.4 | 1411.2 | 1459.5 |
| 110° | 213.6 | 242.5 | 286.4 | 358.3 | 480.1 | 655.7 | 862.3 | 1072.9 | 1251.5 | 1379.3 | 1461.1 |



TEST NUMBER: P331635

CATALOG NUMBER: SA2XXRDIP-C290D925U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 112.5° | 230.3 | 260.1 | 302.4 | 370.3 | 480.8 | 638.1 | 824.0 | 1013.8 | 1185.3 | 1321.8 | 1415.6 |
| 115° | 257.5 | 284.4 | 327.4 | 388.2 | 485.0 | 618.8 | 776.5 | 941.1 | 1094.8 | 1225.6 | 1328.4 |
| 117.5° | 282.6 | 310.6 | 350.3 | 407.4 | 492.2 | 609.4 | 746.5 | 886.4 | 1021.4 | 1139.9 | 1236.4 |
| 120° | 299.4 | 327.4 | 366.3 | 420.2 | 497.0 | 603.8 | 730.6 | 859.3 | 983.1 | 1088.8 | 1179.7 |
| 122.5° | 316.2 | 344.9 | 381.4 | 431.3 | 502.6 | 600.6 | 717.0 | 837.7 | 951.1 | 1051.3 | 1133.4 |
| 125° | 340.3 | 368.3 | 404.2 | 449.1 | 511.0 | 594.8 | 697.6 | 806.4 | 909.2 | 997.0 | 1071.9 |
| 127.5° | 361.7 | 390.4 | 425.4 | 465.7 | 519.6 | 591.4 | 679.7 | 775.5 | 868.5 | 951.3 | 1020.4 |
| 130° | 375.3 | 403.2 | 438.1 | 476.1 | 526.0 | 589.8 | 667.7 | 755.5 | 841.3 | 920.2 | 986.1 |
| 132.5° | 388.0 | 416.0 | 449.3 | 486.4 | 532.3 | 589.0 | 658.1 | 736.3 | 815.8 | 888.2 | 950.1 |
| 135° | 405.2 | 433.1 | 465.1 | 500.0 | 539.9 | 587.8 | 644.7 | 709.6 | 775.5 | 841.3 | 897.2 |
| 137.5° | 420.4 | 446.3 | 477.9 | 510.4 | 546.7 | 587.6 | 635.3 | 688.2 | 743.3 | 795.6 | 844.3 |
| 140° | 429.2 | 455.1 | 485.0 | 516.0 | 549.9 | 586.8 | 629.8 | 674.7 | 722.6 | 768.5 | 812.4 |
| 142.5° | 437.1 | 461.5 | 490.6 | 520.8 | 552.3 | 586.8 | 624.2 | 663.5 | 704.2 | 743.7 | 780.5 |
| 145° | 450.1 | 472.1 | 499.0 | 527.0 | 554.9 | 584.8 | 616.8 | 647.7 | 680.7 | 711.6 | 740.5 |
| 147.5° | 460.9 | 480.5 | 505.8 | 530.4 | 555.7 | 581.3 | 609.2 | 635.5 | 661.5 | 685.6 | 706.8 |
| 150° | 468.1 | 486.0 | 509.0 | 531.9 | 554.9 | 578.9 | 602.8 | 626.8 | 648.7 | 669.7 | 687.6 |
| 152.5° | 475.3 | 491.6 | 512.2 | 532.7 | 553.3 | 574.9 | 597.2 | 618.0 | 638.3 | 656.1 | 671.7 |
| 155° | 485.0 | 500.0 | 517.0 | 533.9 | 550.9 | 567.9 | 586.8 | 605.8 | 621.8 | 636.7 | 647.7 |
| 157.5° | 493.4 | 506.0 | 520.4 | 533.9 | 546.3 | 560.7 | 577.1 | 591.6 | 605.0 | 617.6 | 626.2 |
| 160° | 499.0 | 510.0 | 522.0 | 533.9 | 543.9 | 555.9 | 569.9 | 582.8 | 593.8 | 604.8 | 611.8 |
| 162.5° | 503.8 | 512.4 | 522.8 | 533.1 | 541.5 | 551.9 | 563.5 | 574.1 | 583.4 | 592.8 | 598.2 |
| 165° | 509.0 | 515.0 | 524.0 | 531.0 | 536.9 | 543.9 | 552.9 | 560.9 | 567.9 | 574.9 | 578.9 |
| 167.5° | 513.4 | 517.2 | 523.8 | 529.6 | 532.3 | 536.9 | 542.5 | 548.3 | 553.7 | 558.5 | 562.1 |
| 170° | 515.0 | 518.0 | 523.0 | 528.0 | 530.0 | 532.9 | 536.9 | 541.9 | 544.9 | 548.9 | 550.9 |
| 172.5° | 516.6 | 518.8 | 522.2 | 525.6 | 526.8 | 528.2 | 531.4 | 534.7 | 536.9 | 540.1 | 541.3 |
| 175° | 518.0 | 519.0 | 521.0 | 523.0 | 522.0 | 523.0 | 524.0 | 527.0 | 528.0 | 529.0 | 530.0 |
| 177.5° | 519.0 | 519.0 | 519.8 | 521.4 | 519.8 | 519.0 | 519.8 | 521.4 | 521.4 | 522.2 | 522.2 |
| 180° | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 |



TEST NUMBER: P331635

CATALOG NUMBER: SA2XXRDIP-C290D925U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 |
| 2.5° | 627.8 | 628.1 | 627.6 | 627.9 | 627.6 | 628.1 | 627.8 | 629.8 | 630.1 | 630.5 | 630.1 |
| 5° | 584.9 | 582.2 | 581.7 | 581.1 | 581.7 | 582.2 | 584.9 | 586.0 | 587.0 | 588.8 | 592.0 |
| 7.5° | 533.8 | 533.4 | 532.2 | 530.6 | 532.2 | 533.4 | 533.8 | 537.7 | 540.8 | 544.3 | 550.8 |
| 10° | 500.9 | 499.7 | 499.5 | 497.9 | 499.5 | 499.7 | 500.9 | 505.9 | 509.5 | 514.5 | 523.4 |
| 12.5° | 462.3 | 455.0 | 454.3 | 450.3 | 454.3 | 455.0 | 462.3 | 468.8 | 478.6 | 483.4 | 492.8 |
| 15° | 393.7 | 392.3 | 387.7 | 384.8 | 387.7 | 392.3 | 393.7 | 399.1 | 402.7 | 415.9 | 431.1 |
| 17.5° | 354.4 | 349.9 | 348.5 | 347.9 | 348.5 | 349.9 | 354.4 | 357.0 | 362.2 | 369.2 | 378.3 |
| 20° | 329.1 | 325.1 | 324.4 | 323.9 | 324.4 | 325.1 | 329.1 | 332.3 | 336.4 | 343.9 | 353.4 |
| 22.5° | 311.7 | 307.4 | 305.7 | 304.3 | 305.7 | 307.4 | 311.7 | 314.1 | 317.9 | 323.7 | 330.2 |
| 25° | 281.9 | 280.3 | 279.4 | 278.9 | 279.4 | 280.3 | 281.9 | 284.2 | 287.8 | 295.8 | 302.6 |
| 27.5° | 258.6 | 255.1 | 254.4 | 253.2 | 254.4 | 255.1 | 258.6 | 262.6 | 266.4 | 270.0 | 276.1 |
| 30° | 245.3 | 244.2 | 242.6 | 241.2 | 242.6 | 244.2 | 245.3 | 247.4 | 249.9 | 256.0 | 261.9 |
| 32.5° | 229.7 | 228.7 | 227.3 | 226.7 | 227.3 | 228.7 | 229.7 | 232.5 | 237.7 | 241.5 | 245.7 |
| 35° | 212.4 | 209.2 | 207.8 | 205.8 | 207.8 | 209.2 | 212.4 | 214.7 | 216.7 | 219.9 | 227.6 |
| 37.5° | 194.1 | 192.4 | 190.5 | 191.2 | 190.5 | 192.4 | 194.1 | 195.0 | 199.3 | 203.8 | 207.1 |
| 40° | 179.9 | 178.8 | 178.3 | 178.1 | 178.3 | 178.8 | 179.9 | 182.9 | 188.1 | 190.1 | 195.1 |
| 42.5° | 168.6 | 165.5 | 164.3 | 164.3 | 164.3 | 165.5 | 168.6 | 172.0 | 175.2 | 178.5 | 183.7 |
| 45° | 151.5 | 148.6 | 146.5 | 146.7 | 146.5 | 148.6 | 151.5 | 152.6 | 155.4 | 162.0 | 164.9 |
| 47.5° | 134.0 | 133.9 | 132.6 | 133.0 | 132.6 | 133.9 | 134.0 | 135.9 | 139.4 | 143.5 | 148.2 |
| 50° | 125.6 | 124.3 | 123.3 | 123.6 | 123.3 | 124.3 | 125.6 | 127.2 | 129.2 | 131.3 | 138.6 |
| 52.5° | 117.6 | 116.4 | 115.7 | 116.7 | 115.7 | 116.4 | 117.6 | 118.5 | 120.0 | 122.0 | 126.9 |
| 55° | 104.5 | 103.1 | 102.9 | 102.7 | 102.9 | 103.1 | 104.5 | 105.6 | 107.4 | 109.0 | 111.3 |
| 57.5° | 89.8 | 88.9 | 87.5 | 87.0 | 87.5 | 88.9 | 89.8 | 91.5 | 93.7 | 95.8 | 98.1 |
| 60° | 79.3 | 77.5 | 75.2 | 75.0 | 75.2 | 77.5 | 79.3 | 82.2 | 83.1 | 86.3 | 89.0 |
| 62.5° | 69.6 | 69.3 | 68.8 | 68.8 | 68.8 | 69.3 | 69.6 | 70.6 | 71.9 | 76.5 | 79.8 |
| 65° | 61.1 | 60.9 | 61.1 | 61.3 | 61.1 | 60.9 | 61.1 | 61.6 | 61.8 | 62.2 | 63.6 |
| 67.5° | 53.2 | 52.8 | 52.4 | 52.6 | 52.4 | 52.8 | 53.2 | 53.3 | 54.0 | 54.2 | 55.2 |
| 70° | 47.2 | 47.0 | 46.8 | 46.8 | 46.8 | 47.0 | 47.2 | 47.7 | 48.2 | 48.6 | 49.7 |
| 72.5° | 41.4 | 41.4 | 41.2 | 41.0 | 41.2 | 41.4 | 41.4 | 42.3 | 42.5 | 43.0 | 43.7 |
| 75° | 33.2 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.2 | 33.4 | 33.6 | 34.3 | 34.8 |
| 77.5° | 25.3 | 25.0 | 24.8 | 24.6 | 24.8 | 25.0 | 25.3 | 25.3 | 25.7 | 25.8 | 26.3 |
| 80° | 20.0 | 19.8 | 19.5 | 19.5 | 19.5 | 19.8 | 20.0 | 20.2 | 20.2 | 20.9 | 20.7 |
| 82.5° | 15.3 | 15.0 | 15.0 | 14.8 | 15.0 | 15.0 | 15.3 | 15.3 | 15.3 | 15.8 | 15.8 |
| 85° | 8.2 | 8.4 | 8.2 | 8.6 | 8.2 | 8.4 | 8.2 | 8.0 | 8.2 | 8.6 | 8.6 |
| 87.5° | 8.9 | 8.8 | 8.9 | 8.8 | 8.9 | 8.8 | 8.9 | 8.9 | 8.9 | 8.5 | 8.9 |
| 90° | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 31.9 | 29.9 | 31.9 |
| 92.5° | 59.3 | 56.1 | 56.9 | 55.3 | 56.9 | 56.1 | 59.3 | 60.1 | 66.3 | 74.7 | 87.0 |
| 95° | 123.8 | 115.8 | 112.8 | 113.8 | 112.8 | 115.8 | 123.8 | 136.7 | 158.7 | 200.6 | 261.5 |
| 97.5° | 271.5 | 246.9 | 232.3 | 224.0 | 232.3 | 246.9 | 271.5 | 319.2 | 391.2 | 499.2 | 610.2 |
| 100° | 447.1 | 404.2 | 375.3 | 357.3 | 375.3 | 404.2 | 447.1 | 530.0 | 650.7 | 787.4 | 911.2 |
| 102.5° | 762.5 | 689.2 | 653.1 | 628.8 | 653.1 | 689.2 | 762.5 | 852.5 | 980.5 | 1080.5 | 1108.4 |
| 105° | 1243.5 | 1181.7 | 1138.7 | 1124.8 | 1138.7 | 1181.7 | 1243.5 | 1305.4 | 1338.4 | 1325.4 | 1212.6 |
| 107.5° | 1467.3 | 1463.9 | 1455.3 | 1436.8 | 1455.3 | 1463.9 | 1467.3 | 1459.5 | 1411.2 | 1307.4 | 1137.6 |
| 110° | 1504.0 | 1523.0 | 1532.0 | 1531.0 | 1532.0 | 1523.0 | 1504.0 | 1461.1 | 1379.3 | 1251.5 | 1072.9 |



TEST NUMBER: P331635

CATALOG NUMBER: SA2XXRDIP-C290D925U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1475.3 | 1507.0 | 1524.0 | 1529.4 | 1524.0 | 1507.0 | 1475.3 | 1415.6 | 1321.8 | 1185.3 | 1013.8 |
| 115° | 1399.2 | 1445.1 | 1471.1 | 1480.1 | 1471.1 | 1445.1 | 1399.2 | 1328.4 | 1225.6 | 1094.8 | 941.1 |
| 117.5° | 1308.6 | 1357.1 | 1384.5 | 1392.0 | 1384.5 | 1357.1 | 1308.6 | 1236.4 | 1139.9 | 1021.4 | 886.4 |
| 120° | 1249.5 | 1296.4 | 1325.4 | 1335.4 | 1325.4 | 1296.4 | 1249.5 | 1179.7 | 1088.8 | 983.1 | 859.3 |
| 122.5° | 1196.0 | 1242.1 | 1267.9 | 1276.3 | 1267.9 | 1242.1 | 1196.0 | 1133.4 | 1051.3 | 951.1 | 837.7 |
| 125° | 1129.8 | 1167.7 | 1192.6 | 1200.6 | 1192.6 | 1167.7 | 1129.8 | 1071.9 | 997.0 | 909.2 | 806.4 |
| 127.5° | 1070.9 | 1106.4 | 1128.0 | 1134.4 | 1128.0 | 1106.4 | 1070.9 | 1020.4 | 951.3 | 868.5 | 775.5 |
| 130° | 1035.0 | 1068.9 | 1088.8 | 1096.8 | 1088.8 | 1068.9 | 1035.0 | 986.1 | 920.2 | 841.3 | 755.5 |
| 132.5° | 998.2 | 1032.2 | 1050.5 | 1057.7 | 1050.5 | 1032.2 | 998.2 | 950.1 | 888.2 | 815.8 | 736.3 |
| 135° | 940.1 | 973.1 | 991.0 | 995.0 | 991.0 | 973.1 | 940.1 | 897.2 | 841.3 | 775.5 | 709.6 |
| 137.5° | 883.5 | 911.8 | 927.6 | 933.6 | 927.6 | 911.8 | 883.5 | 844.3 | 795.6 | 743.3 | 688.2 |
| 140° | 844.3 | 870.3 | 885.3 | 891.2 | 885.3 | 870.3 | 844.3 | 812.4 | 768.5 | 722.6 | 674.7 |
| 142.5° | 810.8 | 834.4 | 847.7 | 848.9 | 847.7 | 834.4 | 810.8 | 780.5 | 743.7 | 704.2 | 663.5 |
| 145° | 764.5 | 781.5 | 791.4 | 794.4 | 791.4 | 781.5 | 764.5 | 740.5 | 711.6 | 680.7 | 647.7 |
| 147.5° | 726.6 | 740.1 | 746.9 | 748.7 | 746.9 | 740.1 | 726.6 | 706.8 | 685.6 | 661.5 | 635.5 |
| 150° | 702.6 | 714.6 | 720.6 | 721.6 | 720.6 | 714.6 | 702.6 | 687.6 | 669.7 | 648.7 | 626.8 |
| 152.5° | 683.4 | 693.8 | 698.2 | 698.4 | 698.2 | 693.8 | 683.4 | 671.7 | 656.1 | 638.3 | 618.0 |
| 155° | 658.7 | 665.7 | 669.7 | 667.7 | 669.7 | 665.7 | 658.7 | 647.7 | 636.7 | 621.8 | 605.8 |
| 157.5° | 633.9 | 639.7 | 641.5 | 641.5 | 641.5 | 639.7 | 633.9 | 626.2 | 617.6 | 605.0 | 591.6 |
| 160° | 618.8 | 623.8 | 624.8 | 624.8 | 624.8 | 623.8 | 618.8 | 611.8 | 604.8 | 593.8 | 582.8 |
| 162.5° | 605.2 | 608.6 | 609.6 | 608.8 | 609.6 | 608.6 | 605.2 | 598.2 | 592.8 | 583.4 | 574.1 |
| 165° | 582.8 | 586.8 | 586.8 | 585.8 | 586.8 | 586.8 | 582.8 | 578.9 | 574.9 | 567.9 | 560.9 |
| 167.5° | 563.9 | 566.1 | 565.9 | 564.7 | 565.9 | 566.1 | 563.9 | 562.1 | 558.5 | 553.7 | 548.3 |
| 170° | 551.9 | 554.9 | 553.9 | 551.9 | 553.9 | 554.9 | 551.9 | 550.9 | 548.9 | 544.9 | 541.9 |
| 172.5° | 542.3 | 543.7 | 542.7 | 541.5 | 542.7 | 543.7 | 542.3 | 541.3 | 540.1 | 536.9 | 534.7 |
| 175° | 530.0 | 531.0 | 530.0 | 528.0 | 530.0 | 531.0 | 530.0 | 530.0 | 529.0 | 528.0 | 527.0 |
| 177.5° | 522.2 | 522.2 | 521.4 | 519.8 | 521.4 | 522.2 | 522.2 | 522.2 | 522.2 | 521.4 | 521.4 |
| 180° | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 |



TEST NUMBER: P331635

CATALOG NUMBER: SA2XXRDIP-C290D925U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 |
| 2.5° | 628.7 | 631.2 | 635.0 | 637.2 | 640.8 | 643.2 | 644.5 | 646.8 | 648.1 | 652.7 | 657.4 |
| 5° | 593.5 | 597.2 | 603.5 | 609.4 | 615.8 | 622.4 | 627.2 | 632.6 | 637.6 | 646.2 | 655.3 |
| 7.5° | 553.3 | 558.3 | 568.2 | 577.6 | 588.7 | 598.0 | 606.2 | 615.5 | 623.8 | 636.2 | 649.1 |
| 10° | 523.1 | 532.0 | 544.9 | 553.8 | 568.3 | 577.6 | 590.6 | 600.8 | 612.4 | 628.8 | 643.3 |
| 12.5° | 497.1 | 507.8 | 518.2 | 530.5 | 543.6 | 559.1 | 573.3 | 586.5 | 600.2 | 617.1 | 634.2 |
| 15° | 450.0 | 465.4 | 481.6 | 494.1 | 511.8 | 528.1 | 544.7 | 562.4 | 579.2 | 599.5 | 621.7 |
| 17.5° | 389.3 | 407.2 | 434.3 | 455.7 | 476.5 | 492.9 | 513.5 | 534.9 | 554.7 | 579.1 | 603.9 |
| 20° | 361.9 | 375.0 | 393.4 | 422.3 | 453.6 | 471.1 | 492.0 | 515.6 | 538.3 | 564.9 | 591.5 |
| 22.5° | 339.9 | 351.6 | 366.3 | 388.8 | 423.8 | 447.7 | 469.5 | 493.5 | 519.8 | 546.9 | 576.4 |
| 25° | 308.5 | 316.6 | 332.1 | 350.3 | 374.3 | 413.6 | 437.5 | 461.6 | 490.2 | 519.3 | 552.9 |
| 27.5° | 284.9 | 292.3 | 302.3 | 319.6 | 337.5 | 365.8 | 403.7 | 430.0 | 458.5 | 491.2 | 526.1 |
| 30° | 266.9 | 275.5 | 286.7 | 298.9 | 318.5 | 340.5 | 378.4 | 408.9 | 437.0 | 470.7 | 507.9 |
| 32.5° | 253.8 | 260.6 | 270.1 | 282.6 | 298.8 | 320.0 | 350.3 | 387.2 | 414.7 | 450.1 | 489.0 |
| 35° | 232.4 | 240.3 | 248.0 | 259.9 | 273.0 | 292.3 | 315.3 | 354.8 | 382.1 | 417.0 | 456.1 |
| 37.5° | 214.7 | 219.6 | 228.1 | 237.5 | 251.4 | 265.8 | 285.7 | 321.1 | 350.6 | 384.9 | 424.9 |
| 40° | 201.3 | 207.4 | 213.7 | 224.2 | 235.6 | 249.4 | 268.9 | 295.3 | 329.1 | 362.8 | 401.8 |
| 42.5° | 188.2 | 195.9 | 202.7 | 209.7 | 222.1 | 236.0 | 251.9 | 274.2 | 308.8 | 340.6 | 378.6 |
| 45° | 172.4 | 177.4 | 184.4 | 192.2 | 202.4 | 214.2 | 228.3 | 247.8 | 281.0 | 308.5 | 344.1 |
| 47.5° | 154.1 | 161.4 | 166.0 | 173.5 | 183.2 | 194.5 | 207.6 | 224.5 | 251.3 | 277.1 | 310.2 |
| 50° | 141.5 | 149.0 | 155.6 | 162.4 | 171.0 | 181.9 | 192.9 | 209.2 | 230.8 | 257.8 | 288.7 |
| 52.5° | 130.8 | 137.4 | 143.8 | 150.6 | 159.1 | 169.0 | 179.4 | 193.8 | 212.2 | 237.1 | 267.1 |
| 55° | 116.1 | 120.2 | 126.8 | 133.6 | 141.1 | 150.6 | 160.6 | 172.6 | 188.5 | 209.4 | 233.7 |
| 57.5° | 101.0 | 105.7 | 110.9 | 117.8 | 125.4 | 132.7 | 141.7 | 152.6 | 165.1 | 184.0 | 204.8 |
| 60° | 92.5 | 96.1 | 100.4 | 107.4 | 114.5 | 121.1 | 129.7 | 138.8 | 150.6 | 167.0 | 184.7 |
| 62.5° | 83.0 | 86.5 | 90.4 | 96.5 | 103.4 | 109.4 | 117.0 | 126.6 | 136.6 | 151.5 | 167.0 |
| 65° | 67.2 | 72.2 | 76.1 | 81.5 | 87.2 | 93.6 | 99.5 | 107.2 | 116.1 | 127.9 | 141.7 |
| 67.5° | 55.7 | 58.3 | 61.9 | 66.8 | 72.6 | 78.1 | 83.7 | 89.7 | 97.4 | 106.5 | 117.5 |
| 70° | 50.7 | 51.6 | 52.2 | 57.0 | 62.5 | 67.9 | 73.1 | 78.8 | 85.4 | 92.9 | 102.4 |
| 72.5° | 44.7 | 45.6 | 46.4 | 48.5 | 52.8 | 58.3 | 63.7 | 67.9 | 74.1 | 80.4 | 88.1 |
| 75° | 35.4 | 36.8 | 37.5 | 38.6 | 40.2 | 43.8 | 48.8 | 52.9 | 56.6 | 61.3 | 67.5 |
| 77.5° | 27.0 | 27.8 | 28.5 | 29.7 | 30.7 | 32.3 | 35.2 | 38.8 | 42.3 | 45.0 | 49.2 |
| 80° | 21.4 | 21.6 | 22.5 | 22.9 | 24.3 | 25.4 | 26.8 | 29.8 | 33.2 | 34.3 | 37.3 |
| 82.5° | 16.1 | 16.3 | 17.0 | 17.5 | 18.1 | 19.1 | 20.8 | 21.6 | 24.3 | 25.8 | 27.6 |
| 85° | 8.9 | 8.6 | 9.3 | 9.3 | 9.8 | 10.2 | 10.7 | 11.8 | 12.5 | 14.3 | 14.8 |
| 87.5° | 9.3 | 9.5 | 9.5 | 8.3 | 6.9 | 6.3 | 5.8 | 5.6 | 5.6 | 5.3 | 5.5 |
| 90° | 32.9 | 33.9 | 32.9 | 26.9 | 20.0 | 15.0 | 12.0 | 10.0 | 8.0 | 4.0 | 1.0 |
| 92.5° | 109.6 | 129.7 | 127.9 | 99.6 | 67.9 | 45.3 | 35.9 | 29.1 | 24.8 | 17.6 | 12.2 |
| 95° | 342.3 | 391.2 | 346.3 | 230.5 | 143.7 | 97.8 | 73.9 | 57.9 | 48.9 | 38.9 | 34.9 |
| 97.5° | 700.6 | 667.9 | 503.0 | 310.6 | 189.6 | 131.9 | 104.8 | 86.4 | 72.9 | 62.3 | 56.9 |
| 100° | 932.2 | 788.4 | 542.9 | 327.4 | 205.6 | 152.7 | 124.8 | 104.8 | 88.8 | 79.8 | 76.8 |
| 102.5° | 1018.4 | 792.4 | 527.8 | 328.2 | 220.0 | 171.1 | 143.1 | 122.4 | 106.4 | 97.4 | 95.2 |
| 105° | 1005.0 | 739.5 | 498.0 | 333.3 | 244.5 | 197.6 | 169.7 | 147.7 | 132.7 | 125.8 | 121.8 |
| 107.5° | 917.4 | 682.9 | 483.2 | 347.1 | 269.7 | 224.2 | 196.0 | 174.3 | 160.5 | 153.7 | 150.5 |
| 110° | 862.3 | 655.7 | 480.1 | 358.3 | 286.4 | 242.5 | 213.6 | 192.6 | 179.6 | 173.7 | 169.7 |



TEST NUMBER: P331635

CATALOG NUMBER: SA2XXRDIP-C290D925U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 824.0 | 638.1 | 480.8 | 370.3 | 302.4 | 260.1 | 230.3 | 210.2 | 198.0 | 191.2 | 187.2 |
| 115° | 776.5 | 618.8 | 485.0 | 388.2 | 327.4 | 284.4 | 257.5 | 237.5 | 225.6 | 219.6 | 214.6 |
| 117.5° | 746.5 | 609.4 | 492.2 | 407.4 | 350.3 | 310.6 | 282.6 | 263.5 | 252.9 | 246.9 | 242.9 |
| 120° | 730.6 | 603.8 | 497.0 | 420.2 | 366.3 | 327.4 | 299.4 | 279.4 | 270.5 | 264.5 | 260.5 |
| 122.5° | 717.0 | 600.6 | 502.6 | 431.3 | 381.4 | 344.9 | 316.2 | 296.2 | 286.4 | 280.4 | 277.3 |
| 125° | 697.6 | 594.8 | 511.0 | 449.1 | 404.2 | 368.3 | 340.3 | 320.4 | 308.4 | 302.4 | 299.4 |
| 127.5° | 679.7 | 591.4 | 519.6 | 465.7 | 425.4 | 390.4 | 361.7 | 342.5 | 329.3 | 321.0 | 317.0 |
| 130° | 667.7 | 589.8 | 526.0 | 476.1 | 438.1 | 403.2 | 375.3 | 355.3 | 341.3 | 331.3 | 327.4 |
| 132.5° | 658.1 | 589.0 | 532.3 | 486.4 | 449.3 | 416.0 | 388.0 | 367.3 | 352.5 | 341.7 | 336.9 |
| 135° | 644.7 | 587.8 | 539.9 | 500.0 | 465.1 | 433.1 | 405.2 | 382.2 | 367.3 | 355.3 | 351.3 |
| 137.5° | 635.3 | 587.6 | 546.7 | 510.4 | 477.9 | 446.3 | 420.4 | 397.6 | 381.6 | 369.7 | 364.9 |
| 140° | 629.8 | 586.8 | 549.9 | 516.0 | 485.0 | 455.1 | 429.2 | 407.2 | 391.2 | 379.3 | 375.3 |
| 142.5° | 624.2 | 586.8 | 552.3 | 520.8 | 490.6 | 461.5 | 437.1 | 416.0 | 400.0 | 388.8 | 385.6 |
| 145° | 616.8 | 584.8 | 554.9 | 527.0 | 499.0 | 472.1 | 450.1 | 430.2 | 415.2 | 405.2 | 401.2 |
| 147.5° | 609.2 | 581.3 | 555.7 | 530.4 | 505.8 | 480.5 | 460.9 | 444.3 | 430.5 | 421.0 | 418.0 |
| 150° | 602.8 | 578.9 | 554.9 | 531.9 | 509.0 | 486.0 | 468.1 | 453.1 | 440.1 | 432.1 | 429.2 |
| 152.5° | 597.2 | 574.9 | 553.3 | 532.7 | 512.2 | 491.6 | 475.3 | 461.1 | 449.7 | 441.7 | 440.3 |
| 155° | 586.8 | 567.9 | 550.9 | 533.9 | 517.0 | 500.0 | 485.0 | 474.1 | 463.1 | 457.1 | 456.1 |
| 157.5° | 577.1 | 560.7 | 546.3 | 533.9 | 520.4 | 506.0 | 493.4 | 484.6 | 475.1 | 470.3 | 469.3 |
| 160° | 569.9 | 555.9 | 543.9 | 533.9 | 522.0 | 510.0 | 499.0 | 491.0 | 483.0 | 479.1 | 478.1 |
| 162.5° | 563.5 | 551.9 | 541.5 | 533.1 | 522.8 | 512.4 | 503.8 | 496.6 | 490.2 | 486.2 | 486.8 |
| 165° | 552.9 | 543.9 | 536.9 | 531.0 | 524.0 | 515.0 | 509.0 | 504.0 | 498.0 | 496.0 | 497.0 |
| 167.5° | 542.5 | 536.9 | 532.3 | 529.6 | 523.8 | 517.2 | 513.4 | 509.8 | 506.0 | 504.2 | 505.4 |
| 170° | 536.9 | 532.9 | 530.0 | 528.0 | 523.0 | 518.0 | 515.0 | 513.0 | 510.0 | 509.0 | 511.0 |
| 172.5° | 531.4 | 528.2 | 526.8 | 525.6 | 522.2 | 518.8 | 516.6 | 515.4 | 512.4 | 513.0 | 514.2 |
| 175° | 524.0 | 523.0 | 522.0 | 523.0 | 521.0 | 519.0 | 518.0 | 518.0 | 516.0 | 517.0 | 518.0 |
| 177.5° | 519.8 | 519.0 | 519.8 | 521.4 | 519.8 | 519.0 | 519.0 | 519.0 | 517.4 | 518.2 | 519.8 |
| 180° | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 |



TEST NUMBER: P331635

CATALOG NUMBER: SA2XXRDIP-C290D925U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 0° | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 |
| 2.5° | 657.6 | 658.1 | 661.7 | 663.4 | 666.6 | 667.9 | 669.4 | 669.0 | 669.0 | 669.7 | 674.8 |
| 5° | 659.0 | 663.5 | 670.3 | 676.9 | 683.3 | 688.7 | 692.4 | 696.0 | 697.4 | 703.9 | 709.8 |
| 7.5° | 656.6 | 665.0 | 676.2 | 686.3 | 698.3 | 707.7 | 715.5 | 722.6 | 727.4 | 737.0 | 746.8 |
| 10° | 653.5 | 665.3 | 678.0 | 691.0 | 707.6 | 720.1 | 732.8 | 742.6 | 745.7 | 760.0 | 768.2 |
| 12.5° | 647.3 | 663.1 | 679.3 | 696.1 | 712.3 | 729.5 | 743.5 | 753.3 | 764.5 | 777.3 | 792.4 |
| 15° | 638.1 | 656.2 | 677.4 | 698.9 | 722.1 | 743.0 | 758.0 | 775.0 | 787.3 | 801.4 | 814.6 |
| 17.5° | 624.8 | 648.2 | 675.0 | 700.0 | 726.8 | 749.2 | 769.9 | 786.2 | 794.8 | 802.9 | 804.8 |
| 20° | 614.2 | 639.4 | 671.0 | 700.5 | 727.3 | 753.2 | 773.7 | 787.3 | 789.6 | 789.8 | 777.8 |
| 22.5° | 602.8 | 631.3 | 664.3 | 694.5 | 726.6 | 755.4 | 771.3 | 777.1 | 768.1 | 752.7 | 729.4 |
| 25° | 581.7 | 614.7 | 653.1 | 687.6 | 722.6 | 749.8 | 755.3 | 745.1 | 713.5 | 680.3 | 638.3 |
| 27.5° | 558.9 | 596.0 | 637.1 | 675.5 | 712.8 | 729.7 | 717.9 | 681.0 | 624.2 | 574.7 | 514.8 |
| 30° | 542.2 | 583.8 | 624.2 | 667.1 | 701.7 | 708.9 | 681.9 | 627.6 | 561.3 | 486.8 | 427.0 |
| 32.5° | 523.1 | 566.7 | 611.1 | 655.5 | 684.4 | 677.3 | 632.7 | 565.8 | 488.1 | 414.8 | 358.4 |
| 35° | 495.9 | 540.8 | 588.8 | 633.3 | 651.7 | 621.0 | 554.2 | 467.2 | 387.7 | 319.4 | 280.5 |
| 37.5° | 464.4 | 513.4 | 563.2 | 604.1 | 602.8 | 551.7 | 460.7 | 370.9 | 304.1 | 263.6 | 236.0 |
| 40° | 442.0 | 491.6 | 545.4 | 579.9 | 565.2 | 498.6 | 400.0 | 315.3 | 266.4 | 234.2 | 214.0 |
| 42.5° | 420.6 | 470.3 | 523.8 | 551.2 | 525.5 | 443.7 | 345.5 | 279.1 | 238.8 | 213.7 | 197.3 |
| 45° | 384.1 | 436.6 | 486.1 | 501.3 | 455.4 | 365.3 | 279.4 | 231.2 | 204.4 | 185.8 | 174.5 |
| 47.5° | 348.4 | 400.1 | 445.3 | 445.5 | 383.5 | 296.2 | 235.7 | 200.1 | 177.2 | 162.8 | 154.6 |
| 50° | 326.6 | 375.7 | 413.6 | 407.7 | 337.3 | 263.5 | 210.8 | 180.1 | 161.1 | 149.9 | 141.3 |
| 52.5° | 302.1 | 349.7 | 382.6 | 365.8 | 298.2 | 231.9 | 188.4 | 162.7 | 146.9 | 137.2 | 129.5 |
| 55° | 266.4 | 308.7 | 331.9 | 306.4 | 243.3 | 192.9 | 159.2 | 139.0 | 127.2 | 119.0 | 112.4 |
| 57.5° | 231.4 | 266.3 | 280.8 | 251.2 | 200.4 | 159.9 | 134.7 | 119.5 | 107.8 | 101.9 | 98.5 |
| 60° | 209.4 | 239.2 | 249.4 | 216.7 | 174.2 | 139.9 | 119.3 | 105.2 | 96.5 | 92.7 | 89.3 |
| 62.5° | 187.8 | 212.1 | 216.3 | 186.4 | 151.9 | 122.5 | 104.7 | 92.8 | 87.1 | 83.4 | 80.2 |
| 65° | 155.8 | 173.3 | 171.3 | 147.2 | 120.2 | 97.2 | 84.3 | 77.0 | 72.7 | 67.5 | 61.8 |
| 67.5° | 128.3 | 139.0 | 132.5 | 114.5 | 91.7 | 75.6 | 67.1 | 61.6 | 56.2 | 51.3 | 50.0 |
| 70° | 110.8 | 117.0 | 110.2 | 93.6 | 75.2 | 63.4 | 56.6 | 50.0 | 46.8 | 45.7 | 43.6 |
| 72.5° | 94.1 | 96.3 | 88.9 | 74.7 | 61.2 | 52.5 | 45.8 | 42.2 | 40.4 | 39.5 | 38.2 |
| 75° | 70.6 | 69.1 | 62.7 | 51.6 | 42.5 | 36.6 | 34.5 | 33.2 | 32.0 | 31.1 | 30.4 |
| 77.5° | 49.6 | 47.3 | 41.6 | 34.3 | 29.6 | 26.8 | 25.5 | 24.8 | 24.3 | 23.8 | 23.1 |
| 80° | 37.3 | 35.7 | 30.0 | 24.5 | 22.5 | 21.1 | 20.4 | 19.5 | 19.5 | 19.1 | 18.4 |
| 82.5° | 27.3 | 25.5 | 20.5 | 18.0 | 16.9 | 16.0 | 15.5 | 15.0 | 14.8 | 14.9 | 14.4 |
| 85° | 14.3 | 11.6 | 10.2 | 9.8 | 9.1 | 8.6 | 8.9 | 8.4 | 8.4 | 8.4 | 8.2 |
| 87.5° | 5.2 | 5.0 | 5.3 | 5.5 | 6.3 | 7.3 | 8.5 | 9.7 | 10.1 | 9.7 | 9.7 |
| 90° | 4.0 | 8.0 | 10.0 | 12.0 | 15.0 | 20.0 | 26.9 | 32.9 | 33.9 | 32.9 | 31.9 |
| 92.5° | 17.6 | 24.8 | 29.1 | 35.9 | 45.3 | 67.9 | 99.6 | 127.9 | 129.7 | 109.6 | 87.0 |
| 95° | 38.9 | 48.9 | 57.9 | 73.9 | 97.8 | 143.7 | 230.5 | 346.3 | 391.2 | 342.3 | 261.5 |
| 97.5° | 62.3 | 72.9 | 86.4 | 104.8 | 131.9 | 189.6 | 310.6 | 503.0 | 667.9 | 700.6 | 610.2 |
| 100° | 79.8 | 88.8 | 104.8 | 124.8 | 152.7 | 205.6 | 327.4 | 542.9 | 788.4 | 932.2 | 911.2 |
| 102.5° | 97.4 | 106.4 | 122.4 | 143.1 | 171.1 | 220.0 | 328.2 | 527.8 | 792.4 | 1018.4 | 1108.4 |
| 105° | 125.8 | 132.7 | 147.7 | 169.7 | 197.6 | 244.5 | 333.3 | 498.0 | 739.5 | 1005.0 | 1212.6 |
| 107.5° | 153.7 | 160.5 | 174.3 | 196.0 | 224.2 | 269.7 | 347.1 | 483.2 | 682.9 | 917.4 | 1137.6 |
| 110° | 173.7 | 179.6 | 192.6 | 213.6 | 242.5 | 286.4 | 358.3 | 480.1 | 655.7 | 862.3 | 1072.9 |



TEST NUMBER: P331635

CATALOG NUMBER: SA2XXRDIP-C290D925U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 191.2 | 198.0 | 210.2 | 230.3 | 260.1 | 302.4 | 370.3 | 480.8 | 638.1 | 824.0 | 1013.8 |
| 115° | 219.6 | 225.6 | 237.5 | 257.5 | 284.4 | 327.4 | 388.2 | 485.0 | 618.8 | 776.5 | 941.1 |
| 117.5° | 246.9 | 252.9 | 263.5 | 282.6 | 310.6 | 350.3 | 407.4 | 492.2 | 609.4 | 746.5 | 886.4 |
| 120° | 264.5 | 270.5 | 279.4 | 299.4 | 327.4 | 366.3 | 420.2 | 497.0 | 603.8 | 730.6 | 859.3 |
| 122.5° | 280.4 | 286.4 | 296.2 | 316.2 | 344.9 | 381.4 | 431.3 | 502.6 | 600.6 | 717.0 | 837.7 |
| 125° | 302.4 | 308.4 | 320.4 | 340.3 | 368.3 | 404.2 | 449.1 | 511.0 | 594.8 | 697.6 | 806.4 |
| 127.5° | 321.0 | 329.3 | 342.5 | 361.7 | 390.4 | 425.4 | 465.7 | 519.6 | 591.4 | 679.7 | 775.5 |
| 130° | 331.3 | 341.3 | 355.3 | 375.3 | 403.2 | 438.1 | 476.1 | 526.0 | 589.8 | 667.7 | 755.5 |
| 132.5° | 341.7 | 352.5 | 367.3 | 388.0 | 416.0 | 449.3 | 486.4 | 532.3 | 589.0 | 658.1 | 736.3 |
| 135° | 355.3 | 367.3 | 382.2 | 405.2 | 433.1 | 465.1 | 500.0 | 539.9 | 587.8 | 644.7 | 709.6 |
| 137.5° | 369.7 | 381.6 | 397.6 | 420.4 | 446.3 | 477.9 | 510.4 | 546.7 | 587.6 | 635.3 | 688.2 |
| 140° | 379.3 | 391.2 | 407.2 | 429.2 | 455.1 | 485.0 | 516.0 | 549.9 | 586.8 | 629.8 | 674.7 |
| 142.5° | 388.8 | 400.0 | 416.0 | 437.1 | 461.5 | 490.6 | 520.8 | 552.3 | 586.8 | 624.2 | 663.5 |
| 145° | 405.2 | 415.2 | 430.2 | 450.1 | 472.1 | 499.0 | 527.0 | 554.9 | 584.8 | 616.8 | 647.7 |
| 147.5° | 421.0 | 430.5 | 444.3 | 460.9 | 480.5 | 505.8 | 530.4 | 555.7 | 581.3 | 609.2 | 635.5 |
| 150° | 432.1 | 440.1 | 453.1 | 468.1 | 486.0 | 509.0 | 531.9 | 554.9 | 578.9 | 602.8 | 626.8 |
| 152.5° | 441.7 | 449.7 | 461.1 | 475.3 | 491.6 | 512.2 | 532.7 | 553.3 | 574.9 | 597.2 | 618.0 |
| 155° | 457.1 | 463.1 | 474.1 | 485.0 | 500.0 | 517.0 | 533.9 | 550.9 | 567.9 | 586.8 | 605.8 |
| 157.5° | 470.3 | 475.1 | 484.6 | 493.4 | 506.0 | 520.4 | 533.9 | 546.3 | 560.7 | 577.1 | 591.6 |
| 160° | 479.1 | 483.0 | 491.0 | 499.0 | 510.0 | 522.0 | 533.9 | 543.9 | 555.9 | 569.9 | 582.8 |
| 162.5° | 486.2 | 490.2 | 496.6 | 503.8 | 512.4 | 522.8 | 533.1 | 541.5 | 551.9 | 563.5 | 574.1 |
| 165° | 496.0 | 498.0 | 504.0 | 509.0 | 515.0 | 524.0 | 531.0 | 536.9 | 543.9 | 552.9 | 560.9 |
| 167.5° | 504.2 | 506.0 | 509.8 | 513.4 | 517.2 | 523.8 | 529.6 | 532.3 | 536.9 | 542.5 | 548.3 |
| 170° | 509.0 | 510.0 | 513.0 | 515.0 | 518.0 | 523.0 | 528.0 | 530.0 | 532.9 | 536.9 | 541.9 |
| 172.5° | 513.0 | 512.4 | 515.4 | 516.6 | 518.8 | 522.2 | 525.6 | 526.8 | 528.2 | 531.4 | 534.7 |
| 175° | 517.0 | 516.0 | 518.0 | 518.0 | 519.0 | 521.0 | 523.0 | 522.0 | 523.0 | 524.0 | 527.0 |
| 177.5° | 518.2 | 517.4 | 519.0 | 519.0 | 519.0 | 519.8 | 521.4 | 519.8 | 519.0 | 519.8 | 521.4 |
| 180° | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 |



TEST NUMBER: P331635

CATALOG NUMBER: SA2XXRDIP-C290D925U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 |
| 2.5° | 676.6 | 679.0 | 680.1 | 680.1 | 681.4 | 680.8 | 680.3 |
| 5° | 715.5 | 719.8 | 720.8 | 724.8 | 727.8 | 726.9 | 727.3 |
| 7.5° | 754.2 | 761.1 | 768.0 | 771.1 | 771.6 | 773.4 | 774.1 |
| 10° | 778.0 | 783.7 | 794.3 | 792.8 | 800.7 | 805.3 | 797.8 |
| 12.5° | 800.9 | 808.6 | 816.0 | 818.0 | 822.5 | 824.0 | 821.0 |
| 15° | 821.6 | 825.7 | 826.1 | 825.0 | 826.4 | 825.2 | 820.9 |
| 17.5° | 802.3 | 795.6 | 782.2 | 775.8 | 770.8 | 763.3 | 760.3 |
| 20° | 770.3 | 750.7 | 728.0 | 718.9 | 708.3 | 687.4 | 692.4 |
| 22.5° | 701.2 | 679.0 | 656.2 | 629.7 | 617.0 | 597.2 | 596.0 |
| 25° | 593.8 | 555.4 | 513.1 | 483.6 | 466.3 | 446.6 | 437.9 |
| 27.5° | 461.7 | 413.3 | 378.7 | 361.2 | 345.2 | 329.6 | 328.9 |
| 30° | 374.8 | 338.5 | 311.7 | 296.7 | 286.9 | 280.3 | 281.7 |
| 32.5° | 315.9 | 291.0 | 272.9 | 260.5 | 253.3 | 248.3 | 248.2 |
| 35° | 258.3 | 241.2 | 229.6 | 224.4 | 219.2 | 215.6 | 215.8 |
| 37.5° | 221.0 | 210.8 | 204.3 | 198.6 | 195.3 | 193.5 | 192.5 |
| 40° | 201.9 | 193.5 | 188.5 | 185.1 | 182.4 | 179.9 | 179.4 |
| 42.5° | 186.9 | 179.9 | 174.9 | 172.2 | 169.7 | 167.9 | 167.5 |
| 45° | 165.8 | 160.1 | 155.6 | 152.6 | 151.5 | 149.9 | 149.9 |
| 47.5° | 147.5 | 141.9 | 138.4 | 136.5 | 134.6 | 133.5 | 133.5 |
| 50° | 135.2 | 130.8 | 127.7 | 126.5 | 124.9 | 124.3 | 124.0 |
| 52.5° | 124.1 | 120.8 | 118.6 | 117.8 | 117.1 | 116.3 | 116.4 |
| 55° | 109.0 | 107.2 | 106.3 | 105.6 | 104.5 | 103.1 | 104.0 |
| 57.5° | 96.4 | 94.8 | 92.4 | 90.2 | 89.2 | 88.2 | 88.6 |
| 60° | 87.5 | 84.3 | 81.1 | 78.6 | 77.9 | 75.9 | 75.9 |
| 62.5° | 76.2 | 71.7 | 67.8 | 66.4 | 65.7 | 64.8 | 64.6 |
| 65° | 58.6 | 56.8 | 55.9 | 55.0 | 54.5 | 54.5 | 54.1 |
| 67.5° | 48.6 | 47.8 | 46.8 | 46.6 | 46.2 | 46.0 | 45.9 |
| 70° | 42.9 | 42.0 | 41.6 | 41.3 | 40.9 | 41.1 | 40.4 |
| 72.5° | 37.5 | 36.8 | 36.7 | 36.1 | 35.8 | 35.8 | 35.3 |
| 75° | 29.5 | 29.5 | 29.3 | 29.1 | 28.6 | 28.4 | 28.6 |
| 77.5° | 22.7 | 22.8 | 22.4 | 22.3 | 22.3 | 22.3 | 22.1 |
| 80° | 18.2 | 18.4 | 18.2 | 17.9 | 17.7 | 17.9 | 17.7 |
| 82.5° | 14.4 | 14.0 | 14.0 | 13.9 | 13.9 | 13.8 | 13.7 |
| 85° | 8.2 | 8.4 | 8.2 | 8.0 | 8.0 | 8.0 | 8.2 |
| 87.5° | 9.1 | 9.5 | 9.7 | 9.7 | 9.7 | 9.7 | 9.5 |
| 90° | 29.9 | 31.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 |
| 92.5° | 74.7 | 66.3 | 60.1 | 59.3 | 56.1 | 56.9 | 55.3 |
| 95° | 200.6 | 158.7 | 136.7 | 123.8 | 115.8 | 112.8 | 113.8 |
| 97.5° | 499.2 | 391.2 | 319.2 | 271.5 | 246.9 | 232.3 | 224.0 |
| 100° | 787.4 | 650.7 | 530.0 | 447.1 | 404.2 | 375.3 | 357.3 |
| 102.5° | 1080.5 | 980.5 | 852.5 | 762.5 | 689.2 | 653.1 | 628.8 |
| 105° | 1325.4 | 1338.4 | 1305.4 | 1243.5 | 1181.7 | 1138.7 | 1124.8 |
| 107.5° | 1307.4 | 1411.2 | 1459.5 | 1467.3 | 1463.9 | 1455.3 | 1436.8 |
| 110° | 1251.5 | 1379.3 | 1461.1 | 1504.0 | 1523.0 | 1532.0 | 1531.0 |



TEST NUMBER: P331635

CATALOG NUMBER: SA2XXRDIP-C290D925U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1185.3 | 1321.8 | 1415.6 | 1475.3 | 1507.0 | 1524.0 | 1529.4 |
| 115° | 1094.8 | 1225.6 | 1328.4 | 1399.2 | 1445.1 | 1471.1 | 1480.1 |
| 117.5° | 1021.4 | 1139.9 | 1236.4 | 1308.6 | 1357.1 | 1384.5 | 1392.0 |
| 120° | 983.1 | 1088.8 | 1179.7 | 1249.5 | 1296.4 | 1325.4 | 1335.4 |
| 122.5° | 951.1 | 1051.3 | 1133.4 | 1196.0 | 1242.1 | 1267.9 | 1276.3 |
| 125° | 909.2 | 997.0 | 1071.9 | 1129.8 | 1167.7 | 1192.6 | 1200.6 |
| 127.5° | 868.5 | 951.3 | 1020.4 | 1070.9 | 1106.4 | 1128.0 | 1134.4 |
| 130° | 841.3 | 920.2 | 986.1 | 1035.0 | 1068.9 | 1088.8 | 1096.8 |
| 132.5° | 815.8 | 888.2 | 950.1 | 998.2 | 1032.2 | 1050.5 | 1057.7 |
| 135° | 775.5 | 841.3 | 897.2 | 940.1 | 973.1 | 991.0 | 995.0 |
| 137.5° | 743.3 | 795.6 | 844.3 | 883.5 | 911.8 | 927.6 | 933.6 |
| 140° | 722.6 | 768.5 | 812.4 | 844.3 | 870.3 | 885.3 | 891.2 |
| 142.5° | 704.2 | 743.7 | 780.5 | 810.8 | 834.4 | 847.7 | 848.9 |
| 145° | 680.7 | 711.6 | 740.5 | 764.5 | 781.5 | 791.4 | 794.4 |
| 147.5° | 661.5 | 685.6 | 706.8 | 726.6 | 740.1 | 746.9 | 748.7 |
| 150° | 648.7 | 669.7 | 687.6 | 702.6 | 714.6 | 720.6 | 721.6 |
| 152.5° | 638.3 | 656.1 | 671.7 | 683.4 | 693.8 | 698.2 | 698.4 |
| 155° | 621.8 | 636.7 | 647.7 | 658.7 | 665.7 | 669.7 | 667.7 |
| 157.5° | 605.0 | 617.6 | 626.2 | 633.9 | 639.7 | 641.5 | 641.5 |
| 160° | 593.8 | 604.8 | 611.8 | 618.8 | 623.8 | 624.8 | 624.8 |
| 162.5° | 583.4 | 592.8 | 598.2 | 605.2 | 608.6 | 609.6 | 608.8 |
| 165° | 567.9 | 574.9 | 578.9 | 582.8 | 586.8 | 586.8 | 585.8 |
| 167.5° | 553.7 | 558.5 | 562.1 | 563.9 | 566.1 | 565.9 | 564.7 |
| 170° | 544.9 | 548.9 | 550.9 | 551.9 | 554.9 | 553.9 | 551.9 |
| 172.5° | 536.9 | 540.1 | 541.3 | 542.3 | 543.7 | 542.7 | 541.5 |
| 175° | 528.0 | 529.0 | 530.0 | 530.0 | 531.0 | 530.0 | 528.0 |
| 177.5° | 521.4 | 522.2 | 522.2 | 522.2 | 522.2 | 521.4 | 519.8 |
| 180° | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 |

(END OF REPORT)