

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: P331260-830

Luminaire Tested: **SA2XXDIP-C290D725U830-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331260-830
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: SA2XXDIP-C290D725U830-4F0-1E-UDD-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 290 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 725 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

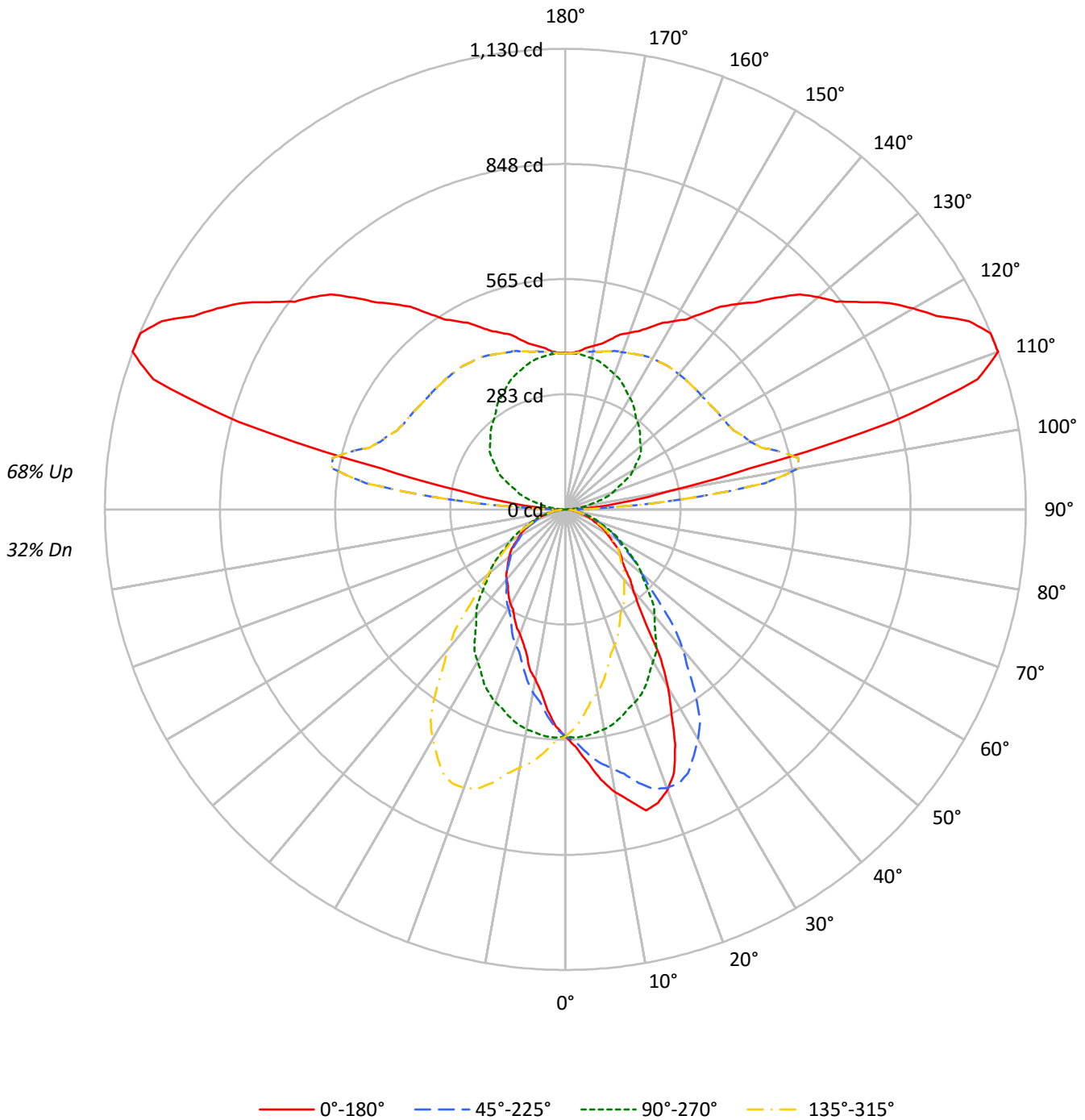
Lumens per Lamp: N/A
Luminaire Lumens: 3898.6 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 31.2
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: P331260-830
CATALOG NUMBER: SA2XXDIP-C290D725U830-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P331260-830

CATALOG NUMBER: SA2XXDIP-C290D725U830-4F0-1E-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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 103 | 103 | 103 | 103 | 92 | 92 | 92 | 92 | 73 | 73 | 73 | 55 | 55 | 55 | 39 | 39 | 39 | 32 |
| 1 | 94 | 90 | 86 | 83 | 84 | 81 | 78 | 75 | 64 | 62 | 60 | 49 | 48 | 47 | 35 | 34 | 34 | 27 |
| 2 | 86 | 79 | 73 | 68 | 77 | 71 | 66 | 62 | 57 | 53 | 50 | 43 | 41 | 39 | 31 | 30 | 29 | 23 |
| 3 | 78 | 69 | 63 | 57 | 70 | 63 | 57 | 52 | 50 | 46 | 43 | 39 | 36 | 34 | 28 | 26 | 25 | 20 |
| 4 | 72 | 62 | 54 | 48 | 64 | 56 | 49 | 44 | 45 | 40 | 37 | 35 | 32 | 29 | 25 | 23 | 22 | 17 |
| 5 | 66 | 55 | 47 | 41 | 59 | 50 | 43 | 38 | 40 | 35 | 32 | 31 | 28 | 25 | 23 | 21 | 19 | 15 |
| 6 | 61 | 49 | 42 | 36 | 55 | 45 | 38 | 33 | 36 | 31 | 28 | 28 | 25 | 22 | 21 | 19 | 17 | 14 |
| 7 | 56 | 44 | 37 | 32 | 50 | 40 | 34 | 29 | 33 | 28 | 24 | 26 | 22 | 20 | 19 | 17 | 15 | 12 |
| 8 | 52 | 40 | 33 | 28 | 47 | 37 | 30 | 26 | 30 | 25 | 22 | 24 | 20 | 18 | 18 | 15 | 14 | 11 |
| 9 | 48 | 37 | 30 | 25 | 44 | 34 | 27 | 23 | 27 | 23 | 19 | 22 | 18 | 16 | 16 | 14 | 12 | 10 |
| 10 | 45 | 34 | 27 | 22 | 41 | 31 | 25 | 21 | 25 | 21 | 17 | 20 | 17 | 14 | 15 | 13 | 11 | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|------|------|------|
| 0° | 8995 | 8995 | 8995 | 8995 |
| 5° | 10084 | 9054 | 8023 | 9054 |
| 10° | 11555 | 8979 | 6943 | 8979 |
| 15° | 12784 | 8816 | 6135 | 8816 |
| 20° | 12589 | 8639 | 5593 | 8639 |
| 25° | 11352 | 8402 | 5248 | 8402 |
| 30° | 9380 | 8028 | 4998 | 8028 |
| 35° | 6838 | 7634 | 4819 | 7634 |
| 40° | 5461 | 7172 | 4719 | 7172 |
| 45° | 4772 | 6635 | 4587 | 6635 |
| 50° | 4486 | 6116 | 4496 | 6116 |
| 55° | 4132 | 5588 | 4374 | 5588 |
| 60° | 3788 | 5025 | 4191 | 5025 |
| 65° | 3454 | 4523 | 4008 | 4523 |
| 70° | 3135 | 4032 | 3744 | 4032 |
| 75° | 2782 | 3487 | 3313 | 3487 |
| 80° | 2390 | 2882 | 2669 | 2882 |
| 85° | 2149 | 2149 | 1593 | 2149 |



TEST NUMBER: P331260-830

CATALOG NUMBER: SA2XXDIP-C290D725U830-4F0-1E-UDD-A4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 53.1 | 1.4 |
| 10°-20° | 154.2 | 4.0 |
| 20°-30° | 223.9 | 5.7 |
| 30°-40° | 236.2 | 6.1 |
| 40°-50° | 209.2 | 5.4 |
| 50°-60° | 166.9 | 4.3 |
| 60°-70° | 113.4 | 2.9 |
| 70°-80° | 58.2 | 1.5 |
| 80°-90° | 17.5 | 0.4 |
| 90°-100° | 153.2 | 3.9 |
| 100°-110° | 519.8 | 13.3 |
| 110°-120° | 552.3 | 14.2 |
| 120°-130° | 454.6 | 11.7 |
| 130°-140° | 365.1 | 9.4 |
| 140°-150° | 275.9 | 7.1 |
| 150°-160° | 193.9 | 5.0 |
| 160°-170° | 114.1 | 2.9 |
| 170°-180° | 37.1 | 1.0 |
| 0°-30° | 431.2 | 11.1 |
| 0°-40° | 667.4 | 17.1 |
| 0°-60° | 1043.5 | 26.8 |
| 0°-90° | 1232.6 | 31.6 |
| 90°-120° | 1225.3 | 31.4 |
| 90°-150° | 2320.9 | 59.5 |
| 90°-180° | 2666.0 | 68.4 |
| 0°-180° | 3898.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|-----|------|------|------|------|
| 0° | 557 | 557 | 557 | 557 | 557 | |
| 5° | 622 | 559 | 495 | 559 | 622 | 62 |
| 15° | 765 | 527 | 367 | 527 | 765 | 211 |
| 25° | 637 | 472 | 295 | 472 | 637 | 288 |
| 35° | 347 | 387 | 244 | 387 | 347 | 226 |
| 45° | 209 | 291 | 201 | 291 | 209 | 164 |
| 55° | 147 | 198 | 155 | 198 | 147 | 132 |
| 65° | 90 | 118 | 105 | 118 | 90 | 90 |
| 75° | 45 | 56 | 53 | 56 | 45 | 48 |
| 85° | 12 | 12 | 9 | 12 | 12 | 13 |
| 90° | 24 | 1 | 24 | 1 | 24 | 14 |
| 95° | 84 | 26 | 84 | 26 | 84 | 109 |
| 105° | 830 | 90 | 830 | 90 | 830 | 803 |
| 115° | 1093 | 158 | 1093 | 158 | 1093 | 1070 |
| 125° | 886 | 221 | 886 | 221 | 886 | 801 |
| 135° | 735 | 259 | 735 | 259 | 735 | 571 |
| 145° | 586 | 296 | 586 | 296 | 586 | 372 |
| 155° | 493 | 337 | 493 | 337 | 493 | 230 |
| 165° | 432 | 367 | 432 | 367 | 432 | 124 |
| 175° | 390 | 382 | 390 | 382 | 390 | 38 |
| 180° | 383 | 383 | 383 | 383 | 383 | |



TEST NUMBER: P331260-830
 CATALOG NUMBER: SA2XXDIP-C290D725U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0° | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 |
| 2.5° | 582.8 | 583.0 | 583.3 | 580.6 | 580.2 | 580.2 | 577.9 | 575.8 | 573.3 | 570.1 | 570.5 |
| 5° | 622.2 | 624.5 | 625.4 | 622.8 | 619.0 | 618.6 | 614.9 | 609.0 | 603.3 | 598.9 | 595.7 |
| 7.5° | 669.2 | 670.1 | 668.1 | 664.7 | 661.9 | 656.7 | 649.9 | 643.3 | 634.0 | 625.5 | 619.2 |
| 10° | 704.8 | 706.2 | 702.5 | 697.6 | 693.5 | 687.5 | 677.7 | 667.6 | 655.4 | 643.7 | 634.2 |
| 12.5° | 731.9 | 735.1 | 730.4 | 729.8 | 722.8 | 714.5 | 702.9 | 697.8 | 680.6 | 664.2 | 654.0 |
| 15° | 764.8 | 764.6 | 765.1 | 760.9 | 755.8 | 754.5 | 742.2 | 728.6 | 704.5 | 694.7 | 678.1 |
| 17.5° | 755.3 | 758.6 | 760.1 | 760.0 | 759.9 | 759.0 | 755.1 | 746.6 | 734.4 | 718.8 | 699.6 |
| 20° | 732.7 | 737.0 | 737.6 | 742.5 | 745.4 | 748.9 | 750.5 | 748.1 | 740.6 | 727.5 | 710.9 |
| 22.5° | 697.8 | 699.0 | 701.0 | 708.6 | 714.6 | 723.8 | 728.5 | 736.5 | 733.6 | 727.2 | 713.2 |
| 25° | 637.2 | 635.1 | 642.5 | 646.4 | 660.3 | 674.9 | 685.4 | 696.9 | 707.2 | 713.4 | 709.4 |
| 27.5° | 564.5 | 561.3 | 572.5 | 582.8 | 594.0 | 609.8 | 626.1 | 645.5 | 661.5 | 681.6 | 688.5 |
| 30° | 503.1 | 505.1 | 515.8 | 526.7 | 543.8 | 566.1 | 584.6 | 605.7 | 628.7 | 651.1 | 666.8 |
| 32.5° | 437.1 | 444.4 | 451.2 | 468.0 | 483.1 | 507.8 | 534.9 | 561.4 | 589.9 | 615.5 | 639.7 |
| 35° | 346.9 | 355.4 | 364.9 | 377.0 | 398.2 | 422.8 | 449.2 | 484.9 | 524.0 | 558.8 | 587.5 |
| 37.5° | 292.0 | 290.6 | 296.0 | 304.8 | 322.0 | 341.9 | 372.2 | 407.5 | 453.4 | 494.4 | 534.9 |
| 40° | 259.1 | 258.3 | 262.0 | 270.2 | 283.2 | 297.8 | 324.4 | 355.4 | 398.0 | 448.2 | 496.3 |
| 42.5° | 236.5 | 237.0 | 239.1 | 244.9 | 253.8 | 265.8 | 285.7 | 312.1 | 351.1 | 398.3 | 450.1 |
| 45° | 209.0 | 210.5 | 212.8 | 215.7 | 220.7 | 230.6 | 241.8 | 260.6 | 291.4 | 330.8 | 381.7 |
| 47.5° | 189.2 | 189.3 | 191.6 | 194.1 | 197.1 | 202.6 | 211.8 | 223.6 | 245.3 | 277.4 | 321.2 |
| 50° | 178.6 | 177.1 | 178.8 | 180.7 | 183.9 | 187.8 | 193.8 | 204.9 | 219.4 | 245.3 | 282.0 |
| 52.5° | 165.5 | 165.6 | 167.1 | 167.9 | 170.7 | 174.6 | 180.0 | 187.8 | 201.0 | 221.2 | 251.3 |
| 55° | 146.8 | 148.0 | 148.8 | 150.1 | 152.7 | 155.4 | 159.8 | 164.9 | 175.1 | 190.3 | 212.6 |
| 57.5° | 129.3 | 129.7 | 130.5 | 133.0 | 134.6 | 137.1 | 141.2 | 145.9 | 152.6 | 163.8 | 180.6 |
| 60° | 117.3 | 117.3 | 119.0 | 120.1 | 122.2 | 124.8 | 128.0 | 132.5 | 138.6 | 147.7 | 161.3 |
| 62.5° | 106.4 | 106.2 | 106.9 | 108.7 | 110.3 | 112.6 | 115.8 | 119.7 | 125.4 | 133.6 | 144.6 |
| 65° | 90.4 | 89.9 | 91.2 | 91.6 | 93.3 | 95.7 | 98.3 | 102.4 | 106.9 | 112.8 | 122.7 |
| 67.5° | 74.9 | 75.5 | 76.2 | 76.9 | 77.9 | 80.4 | 82.1 | 84.9 | 88.8 | 93.8 | 100.4 |
| 70° | 66.4 | 66.4 | 66.4 | 67.0 | 68.3 | 69.6 | 71.3 | 73.6 | 77.3 | 81.5 | 87.6 |
| 72.5° | 56.7 | 57.5 | 58.2 | 57.8 | 59.4 | 60.1 | 62.2 | 63.5 | 67.0 | 69.7 | 75.0 |
| 75° | 44.6 | 44.6 | 44.6 | 45.6 | 46.3 | 46.8 | 48.2 | 49.5 | 51.2 | 54.6 | 57.4 |
| 77.5° | 33.3 | 33.2 | 33.4 | 33.6 | 34.3 | 35.1 | 35.4 | 36.6 | 38.2 | 39.8 | 42.1 |
| 80° | 25.7 | 26.1 | 26.3 | 26.8 | 26.8 | 27.1 | 27.4 | 28.9 | 30.0 | 31.0 | 32.5 |
| 82.5° | 19.9 | 20.0 | 20.0 | 20.1 | 20.3 | 20.5 | 21.1 | 21.6 | 22.0 | 22.8 | 23.9 |
| 85° | 11.6 | 11.3 | 11.3 | 11.8 | 11.6 | 11.6 | 12.0 | 12.4 | 12.4 | 12.6 | 13.3 |
| 87.5° | 9.3 | 9.3 | 9.5 | 9.3 | 9.3 | 9.3 | 9.0 | 9.1 | 9.5 | 9.8 | 9.8 |
| 90° | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 23.6 | 22.1 | 23.6 | 24.3 | 25.1 | 24.3 |
| 92.5° | 40.8 | 42.0 | 41.4 | 43.7 | 44.4 | 48.9 | 55.1 | 64.3 | 80.9 | 95.8 | 94.4 |
| 95° | 84.0 | 83.2 | 85.5 | 91.3 | 100.9 | 117.2 | 148.1 | 193.0 | 252.7 | 288.8 | 255.7 |
| 97.5° | 165.3 | 171.5 | 182.3 | 200.4 | 235.6 | 288.8 | 368.5 | 450.4 | 517.3 | 493.0 | 371.4 |
| 100° | 263.7 | 277.0 | 298.4 | 330.1 | 391.2 | 480.4 | 581.4 | 672.7 | 688.2 | 582.0 | 400.8 |
| 102.5° | 464.2 | 482.1 | 508.8 | 562.9 | 629.3 | 723.8 | 797.7 | 818.3 | 751.8 | 585.0 | 389.6 |
| 105° | 830.4 | 840.7 | 872.3 | 918.0 | 963.7 | 988.1 | 978.5 | 895.2 | 742.0 | 545.9 | 367.7 |
| 107.5° | 1060.6 | 1074.4 | 1080.7 | 1083.3 | 1077.5 | 1041.8 | 965.2 | 839.8 | 677.2 | 504.1 | 356.8 |
| 110° | 1130.2 | 1131.0 | 1124.4 | 1110.3 | 1078.6 | 1018.2 | 924.0 | 792.0 | 636.6 | 484.1 | 354.4 |



TEST NUMBER: P331260-830

CATALOG NUMBER: SA2XXDIP-C290D725U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 112.5° | 1129.1 | 1125.1 | 1112.6 | 1089.1 | 1045.1 | 975.8 | 875.0 | 748.5 | 608.3 | 471.1 | 355.0 |
| 115° | 1092.7 | 1086.0 | 1066.9 | 1032.9 | 980.6 | 904.7 | 808.2 | 694.7 | 573.3 | 456.9 | 358.1 |
| 117.5° | 1027.7 | 1022.1 | 1001.9 | 966.1 | 912.8 | 841.6 | 754.0 | 654.4 | 551.1 | 449.9 | 363.4 |
| 120° | 985.8 | 978.5 | 957.1 | 922.5 | 870.9 | 803.8 | 725.8 | 634.3 | 539.3 | 445.7 | 366.9 |
| 122.5° | 942.2 | 936.0 | 917.0 | 883.0 | 836.7 | 776.1 | 702.2 | 618.5 | 529.3 | 443.4 | 371.1 |
| 125° | 886.4 | 880.4 | 862.0 | 834.1 | 791.3 | 736.0 | 671.2 | 595.3 | 515.0 | 439.1 | 377.2 |
| 127.5° | 837.4 | 832.7 | 816.8 | 790.6 | 753.3 | 702.3 | 641.1 | 572.5 | 501.7 | 436.6 | 383.6 |
| 130° | 809.7 | 803.8 | 789.1 | 764.0 | 727.9 | 679.3 | 621.1 | 557.7 | 492.9 | 435.5 | 388.3 |
| 132.5° | 780.8 | 775.5 | 762.0 | 737.0 | 701.4 | 655.7 | 602.3 | 543.6 | 485.9 | 434.9 | 393.0 |
| 135° | 734.6 | 731.6 | 718.4 | 694.1 | 662.3 | 621.1 | 572.5 | 523.9 | 476.0 | 433.9 | 398.6 |
| 137.5° | 689.2 | 684.8 | 673.2 | 652.2 | 623.3 | 587.4 | 548.7 | 508.1 | 469.0 | 433.9 | 403.6 |
| 140° | 658.0 | 653.6 | 642.4 | 623.3 | 599.7 | 567.3 | 533.5 | 498.0 | 465.0 | 433.2 | 406.0 |
| 142.5° | 626.7 | 625.8 | 616.0 | 598.6 | 576.2 | 549.0 | 519.9 | 489.8 | 460.8 | 433.2 | 407.7 |
| 145° | 586.4 | 584.3 | 576.9 | 564.4 | 546.7 | 525.4 | 502.5 | 478.2 | 455.3 | 431.8 | 409.6 |
| 147.5° | 552.7 | 551.4 | 546.4 | 536.4 | 521.8 | 506.1 | 488.3 | 469.2 | 449.8 | 429.1 | 410.3 |
| 150° | 532.7 | 532.0 | 527.5 | 518.7 | 507.7 | 494.4 | 478.9 | 462.7 | 445.0 | 427.3 | 409.6 |
| 152.5° | 515.6 | 515.5 | 512.2 | 504.5 | 495.9 | 484.4 | 471.3 | 456.2 | 440.9 | 424.4 | 408.5 |
| 155° | 492.9 | 494.4 | 491.4 | 486.3 | 478.2 | 470.0 | 459.0 | 447.2 | 433.2 | 419.2 | 406.7 |
| 157.5° | 473.6 | 473.6 | 472.3 | 468.0 | 462.2 | 455.9 | 446.7 | 436.8 | 426.0 | 414.0 | 403.3 |
| 160° | 461.2 | 461.2 | 460.5 | 456.9 | 451.7 | 446.5 | 438.4 | 430.3 | 420.8 | 410.4 | 401.5 |
| 162.5° | 449.4 | 450.1 | 449.3 | 446.8 | 441.7 | 437.6 | 430.7 | 423.8 | 415.9 | 407.5 | 399.8 |
| 165° | 432.5 | 433.2 | 433.2 | 430.3 | 427.3 | 424.4 | 419.2 | 414.1 | 408.2 | 401.5 | 396.4 |
| 167.5° | 416.9 | 417.7 | 417.9 | 416.3 | 415.0 | 412.3 | 408.8 | 404.8 | 400.5 | 396.4 | 393.0 |
| 170° | 407.5 | 408.9 | 409.6 | 407.5 | 406.7 | 405.2 | 402.3 | 400.1 | 396.4 | 393.4 | 391.2 |
| 172.5° | 399.8 | 400.7 | 401.4 | 400.4 | 399.6 | 398.8 | 396.4 | 394.7 | 392.3 | 389.9 | 388.9 |
| 175° | 389.7 | 391.2 | 392.0 | 391.2 | 391.2 | 390.5 | 389.7 | 389.0 | 386.8 | 386.1 | 385.3 |
| 177.5° | 383.7 | 384.9 | 385.5 | 385.5 | 385.5 | 385.5 | 384.9 | 384.9 | 383.7 | 383.1 | 383.7 |
| 180° | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 |



TEST NUMBER: P331260-830

CATALOG NUMBER: SA2XXDIP-C290D725U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 |
| 2.5° | 571.7 | 570.3 | 569.5 | 566.4 | 563.6 | 560.9 | 560.1 | 560.3 | 556.6 | 553.0 | 551.5 |
| 5° | 594.0 | 589.7 | 585.6 | 579.9 | 573.0 | 565.4 | 561.7 | 558.6 | 551.1 | 543.0 | 538.3 |
| 7.5° | 613.9 | 607.8 | 599.9 | 589.1 | 579.1 | 567.3 | 559.8 | 553.2 | 542.2 | 530.7 | 523.7 |
| 10° | 626.0 | 617.7 | 607.7 | 594.4 | 582.2 | 567.8 | 557.8 | 547.7 | 534.9 | 521.1 | 512.6 |
| 12.5° | 636.5 | 625.3 | 615.4 | 598.3 | 583.9 | 565.9 | 554.0 | 539.8 | 526.3 | 510.0 | 501.6 |
| 15° | 661.4 | 640.6 | 621.8 | 602.5 | 584.8 | 559.7 | 546.4 | 527.4 | 509.6 | 489.5 | 479.8 |
| 17.5° | 680.6 | 657.2 | 627.6 | 603.1 | 582.4 | 554.6 | 535.2 | 512.4 | 491.3 | 468.3 | 455.2 |
| 20° | 691.5 | 664.8 | 632.9 | 603.8 | 579.0 | 547.2 | 526.0 | 502.8 | 478.2 | 452.2 | 438.1 |
| 22.5° | 698.0 | 670.0 | 638.4 | 601.2 | 572.1 | 541.3 | 514.6 | 489.0 | 464.1 | 436.1 | 421.3 |
| 25° | 700.1 | 674.5 | 641.0 | 599.1 | 563.5 | 528.7 | 496.5 | 471.6 | 441.5 | 415.4 | 393.8 |
| 27.5° | 689.9 | 671.6 | 639.4 | 595.0 | 553.6 | 512.8 | 477.0 | 448.9 | 417.1 | 388.7 | 366.9 |
| 30° | 677.4 | 666.8 | 635.5 | 591.0 | 545.7 | 501.9 | 462.5 | 430.6 | 398.9 | 370.2 | 347.9 |
| 32.5° | 658.1 | 655.8 | 628.3 | 585.1 | 537.3 | 488.0 | 447.2 | 415.0 | 379.8 | 351.7 | 330.5 |
| 35° | 620.1 | 630.4 | 613.0 | 572.1 | 521.6 | 468.3 | 424.1 | 387.3 | 350.9 | 324.0 | 304.1 |
| 37.5° | 569.1 | 594.7 | 590.1 | 553.1 | 500.2 | 446.8 | 398.0 | 359.6 | 324.9 | 297.7 | 278.1 |
| 40° | 534.0 | 566.6 | 571.3 | 538.5 | 485.2 | 430.2 | 378.5 | 340.3 | 306.4 | 281.5 | 261.8 |
| 42.5° | 496.3 | 534.3 | 547.2 | 521.0 | 468.7 | 412.6 | 361.1 | 321.4 | 287.9 | 263.7 | 246.3 |
| 45° | 433.2 | 483.4 | 506.8 | 491.8 | 441.3 | 383.9 | 330.8 | 290.6 | 260.1 | 237.4 | 223.9 |
| 47.5° | 374.1 | 429.0 | 460.4 | 455.2 | 410.8 | 353.9 | 301.4 | 262.8 | 233.2 | 215.1 | 203.0 |
| 50° | 332.3 | 388.8 | 426.7 | 428.5 | 388.8 | 332.5 | 279.8 | 243.5 | 216.2 | 199.3 | 189.5 |
| 52.5° | 296.0 | 350.0 | 391.2 | 400.4 | 364.3 | 310.3 | 260.5 | 224.2 | 200.3 | 184.7 | 176.0 |
| 55° | 248.5 | 294.2 | 340.0 | 356.8 | 327.8 | 276.4 | 230.4 | 198.5 | 176.0 | 165.3 | 157.6 |
| 57.5° | 206.7 | 244.7 | 287.0 | 305.5 | 287.7 | 243.6 | 200.5 | 172.8 | 154.6 | 145.2 | 139.2 |
| 60° | 184.5 | 214.5 | 252.2 | 274.3 | 258.8 | 219.7 | 182.0 | 155.6 | 140.6 | 132.3 | 126.8 |
| 62.5° | 164.0 | 190.6 | 222.4 | 242.6 | 234.2 | 197.3 | 163.5 | 140.3 | 127.3 | 119.5 | 115.5 |
| 65° | 135.3 | 156.3 | 181.0 | 199.5 | 194.0 | 166.0 | 138.3 | 118.4 | 108.1 | 101.9 | 98.7 |
| 67.5° | 111.4 | 126.6 | 143.6 | 159.9 | 155.5 | 135.6 | 113.5 | 97.9 | 90.3 | 84.9 | 82.9 |
| 70° | 96.3 | 107.9 | 123.1 | 136.2 | 132.5 | 116.3 | 98.7 | 85.4 | 78.8 | 74.3 | 72.4 |
| 72.5° | 82.0 | 91.4 | 103.1 | 113.8 | 111.3 | 97.7 | 83.1 | 73.1 | 68.0 | 63.8 | 62.3 |
| 75° | 61.9 | 69.2 | 76.3 | 83.3 | 82.7 | 72.2 | 63.6 | 55.9 | 51.8 | 48.6 | 48.0 |
| 77.5° | 45.7 | 49.8 | 54.6 | 58.7 | 57.6 | 51.6 | 44.9 | 40.4 | 37.5 | 35.3 | 35.0 |
| 80° | 34.9 | 37.2 | 40.7 | 43.6 | 42.2 | 39.6 | 34.2 | 31.0 | 28.9 | 26.8 | 25.9 |
| 82.5° | 25.4 | 27.6 | 29.7 | 31.4 | 30.2 | 27.8 | 24.5 | 22.3 | 21.0 | 19.6 | 19.2 |
| 85° | 13.3 | 14.5 | 15.5 | 15.8 | 15.5 | 13.9 | 12.4 | 11.6 | 10.5 | 9.8 | 9.6 |
| 87.5° | 9.1 | 8.1 | 7.4 | 7.3 | 6.4 | 6.1 | 4.9 | 4.0 | 4.1 | 4.6 | 4.5 |
| 90° | 19.9 | 14.7 | 11.0 | 8.9 | 7.4 | 5.9 | 2.9 | 0.8 | 2.9 | 5.9 | 7.4 |
| 92.5° | 73.5 | 50.1 | 33.5 | 26.5 | 21.5 | 18.3 | 13.0 | 9.0 | 13.0 | 18.3 | 21.5 |
| 95° | 170.2 | 106.1 | 72.2 | 54.5 | 42.7 | 36.1 | 28.7 | 25.8 | 28.7 | 36.1 | 42.7 |
| 97.5° | 229.3 | 140.0 | 97.4 | 77.4 | 63.8 | 53.8 | 46.0 | 42.0 | 46.0 | 53.8 | 63.8 |
| 100° | 241.7 | 151.7 | 112.7 | 92.1 | 77.4 | 65.6 | 58.9 | 56.7 | 58.9 | 65.6 | 77.4 |
| 102.5° | 242.2 | 162.4 | 126.3 | 105.7 | 90.3 | 78.5 | 71.9 | 70.3 | 71.9 | 78.5 | 90.3 |
| 105° | 246.1 | 180.5 | 145.9 | 125.3 | 109.1 | 98.0 | 92.8 | 89.9 | 92.8 | 98.0 | 109.1 |
| 107.5° | 256.3 | 199.1 | 165.5 | 144.7 | 128.7 | 118.5 | 113.5 | 111.1 | 113.5 | 118.5 | 128.7 |
| 110° | 264.5 | 211.4 | 179.1 | 157.7 | 142.2 | 132.6 | 128.2 | 125.3 | 128.2 | 132.6 | 142.2 |



TEST NUMBER: P331260-830

CATALOG NUMBER: SA2XXDIP-C290D725U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 273.3 | 223.3 | 192.0 | 170.0 | 155.1 | 146.2 | 141.2 | 138.2 | 141.2 | 146.2 | 155.1 |
| 115° | 286.6 | 241.7 | 210.0 | 190.1 | 175.3 | 166.5 | 162.1 | 158.4 | 162.1 | 166.5 | 175.3 |
| 117.5° | 300.8 | 258.6 | 229.3 | 208.7 | 194.5 | 186.7 | 182.3 | 179.4 | 182.3 | 186.7 | 194.5 |
| 120° | 310.2 | 270.4 | 241.7 | 221.0 | 206.3 | 199.6 | 195.3 | 192.3 | 195.3 | 199.6 | 206.3 |
| 122.5° | 318.5 | 281.6 | 254.7 | 233.4 | 218.7 | 211.4 | 207.1 | 204.7 | 207.1 | 211.4 | 218.7 |
| 125° | 331.6 | 298.4 | 271.8 | 251.3 | 236.5 | 227.6 | 223.3 | 221.0 | 223.3 | 227.6 | 236.5 |
| 127.5° | 343.7 | 314.1 | 288.2 | 267.0 | 252.9 | 243.2 | 237.0 | 234.0 | 237.0 | 243.2 | 252.9 |
| 130° | 351.5 | 323.5 | 297.7 | 277.0 | 262.3 | 251.9 | 244.6 | 241.7 | 244.6 | 251.9 | 262.3 |
| 132.5° | 359.1 | 331.7 | 307.1 | 286.4 | 271.2 | 260.2 | 252.3 | 248.7 | 252.3 | 260.2 | 271.2 |
| 135° | 369.1 | 343.4 | 319.8 | 299.2 | 282.2 | 271.2 | 262.3 | 259.4 | 262.3 | 271.2 | 282.2 |
| 137.5° | 376.8 | 352.8 | 329.5 | 310.4 | 293.5 | 281.7 | 272.9 | 269.4 | 272.9 | 281.7 | 293.5 |
| 140° | 380.9 | 358.1 | 336.0 | 316.8 | 300.6 | 288.8 | 279.9 | 277.0 | 279.9 | 288.8 | 300.6 |
| 142.5° | 384.5 | 362.2 | 340.7 | 322.7 | 307.1 | 295.3 | 287.1 | 284.6 | 287.1 | 295.3 | 307.1 |
| 145° | 389.0 | 368.4 | 348.5 | 332.2 | 317.5 | 306.5 | 299.2 | 296.1 | 299.2 | 306.5 | 317.5 |
| 147.5° | 391.5 | 373.4 | 354.7 | 340.3 | 328.0 | 317.8 | 310.8 | 308.6 | 310.8 | 317.8 | 328.0 |
| 150° | 392.7 | 375.8 | 358.8 | 345.5 | 334.5 | 324.9 | 319.1 | 316.8 | 319.1 | 324.9 | 334.5 |
| 152.5° | 393.3 | 378.1 | 363.0 | 350.8 | 340.4 | 332.0 | 326.1 | 325.1 | 326.1 | 332.0 | 340.4 |
| 155° | 394.2 | 381.6 | 369.1 | 358.1 | 350.0 | 341.9 | 337.4 | 336.7 | 337.4 | 341.9 | 350.0 |
| 157.5° | 394.2 | 384.2 | 373.5 | 364.3 | 357.8 | 350.7 | 347.1 | 346.5 | 347.1 | 350.7 | 357.8 |
| 160° | 394.2 | 385.3 | 376.5 | 368.4 | 362.5 | 356.6 | 353.6 | 352.9 | 353.6 | 356.6 | 362.5 |
| 162.5° | 393.6 | 386.0 | 378.2 | 371.9 | 366.6 | 361.9 | 358.9 | 359.4 | 358.9 | 361.9 | 366.6 |
| 165° | 392.0 | 386.8 | 380.2 | 375.8 | 372.1 | 367.7 | 366.2 | 366.9 | 366.2 | 367.7 | 372.1 |
| 167.5° | 391.0 | 386.6 | 381.8 | 379.0 | 376.4 | 373.5 | 372.2 | 373.2 | 372.2 | 373.5 | 376.4 |
| 170° | 389.7 | 386.1 | 382.4 | 380.2 | 378.7 | 376.5 | 375.8 | 377.2 | 375.8 | 376.5 | 378.7 |
| 172.5° | 388.0 | 385.5 | 383.0 | 381.4 | 380.5 | 378.2 | 378.7 | 379.6 | 378.7 | 378.2 | 380.5 |
| 175° | 386.1 | 384.6 | 383.1 | 382.4 | 382.4 | 380.9 | 381.6 | 382.4 | 381.6 | 380.9 | 382.4 |
| 177.5° | 384.9 | 383.7 | 383.1 | 383.1 | 383.1 | 381.9 | 382.6 | 383.7 | 382.6 | 381.9 | 383.1 |
| 180° | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 |



TEST NUMBER: P331260-830

CATALOG NUMBER: SA2XXDIP-C290D725U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 0° | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 |
| 2.5° | 549.8 | 548.7 | 545.2 | 543.3 | 540.2 | 537.2 | 535.4 | 536.2 | 536.9 | 536.6 | 536.0 |
| 5° | 534.0 | 529.9 | 523.7 | 518.4 | 514.5 | 507.5 | 504.4 | 502.9 | 501.6 | 500.2 | 498.7 |
| 7.5° | 515.2 | 508.8 | 499.9 | 492.3 | 485.1 | 476.3 | 471.3 | 468.3 | 465.2 | 461.8 | 458.8 |
| 10° | 501.9 | 492.9 | 483.4 | 472.8 | 464.2 | 456.3 | 449.2 | 444.5 | 440.2 | 436.1 | 433.2 |
| 12.5° | 487.9 | 477.5 | 465.8 | 451.2 | 441.8 | 430.4 | 429.3 | 421.0 | 414.3 | 411.8 | 408.3 |
| 15° | 465.5 | 450.9 | 436.1 | 418.8 | 411.3 | 401.1 | 394.6 | 388.1 | 382.4 | 378.3 | 377.3 |
| 17.5° | 440.1 | 421.2 | 406.5 | 394.1 | 381.8 | 371.3 | 365.3 | 360.2 | 355.4 | 350.1 | 349.3 |
| 20° | 420.8 | 404.4 | 388.4 | 377.5 | 364.9 | 354.1 | 346.9 | 341.8 | 337.6 | 334.4 | 331.7 |
| 22.5° | 402.4 | 384.6 | 369.9 | 358.0 | 345.5 | 336.9 | 331.1 | 326.1 | 322.7 | 319.2 | 316.6 |
| 25° | 373.0 | 359.1 | 343.0 | 329.5 | 319.2 | 313.7 | 309.0 | 304.7 | 302.6 | 300.2 | 297.2 |
| 27.5° | 347.2 | 331.8 | 316.8 | 306.3 | 297.3 | 292.4 | 289.0 | 286.1 | 284.1 | 282.7 | 281.0 |
| 30° | 329.1 | 313.5 | 301.7 | 291.4 | 283.9 | 279.0 | 276.8 | 275.1 | 272.8 | 271.9 | 271.1 |
| 32.5° | 311.6 | 297.6 | 287.5 | 278.5 | 271.5 | 268.2 | 266.3 | 264.7 | 262.9 | 262.0 | 260.2 |
| 35° | 286.9 | 275.1 | 265.3 | 260.3 | 254.6 | 251.8 | 250.3 | 248.2 | 246.5 | 245.6 | 245.3 |
| 37.5° | 263.6 | 253.4 | 246.9 | 240.6 | 238.2 | 236.5 | 234.4 | 233.0 | 232.4 | 232.3 | 232.1 |
| 40° | 248.5 | 240.3 | 234.4 | 229.3 | 228.3 | 225.6 | 223.9 | 222.7 | 222.7 | 222.9 | 222.7 |
| 42.5° | 234.9 | 227.3 | 222.3 | 217.8 | 216.6 | 215.1 | 213.3 | 213.3 | 213.6 | 214.3 | 213.6 |
| 45° | 214.1 | 208.8 | 205.1 | 203.0 | 200.7 | 199.2 | 198.9 | 199.5 | 199.7 | 200.0 | 200.7 |
| 47.5° | 195.0 | 191.4 | 188.1 | 185.8 | 184.7 | 184.5 | 184.3 | 185.4 | 186.4 | 186.8 | 187.8 |
| 50° | 183.7 | 179.6 | 176.8 | 175.3 | 174.5 | 174.1 | 174.5 | 175.8 | 176.6 | 177.7 | 178.3 |
| 52.5° | 171.1 | 168.1 | 166.3 | 165.0 | 164.8 | 165.0 | 165.0 | 166.5 | 167.9 | 168.3 | 168.6 |
| 55° | 153.5 | 151.4 | 151.0 | 149.0 | 149.9 | 149.7 | 150.7 | 151.6 | 152.9 | 154.2 | 154.4 |
| 57.5° | 136.0 | 134.3 | 133.2 | 133.4 | 133.7 | 134.6 | 135.4 | 137.0 | 138.3 | 139.7 | 139.8 |
| 60° | 124.4 | 123.6 | 122.9 | 122.9 | 123.3 | 124.6 | 125.6 | 127.1 | 128.0 | 128.9 | 129.5 |
| 62.5° | 113.8 | 112.9 | 112.3 | 112.6 | 113.8 | 114.5 | 115.7 | 116.6 | 117.4 | 118.3 | 118.6 |
| 65° | 97.0 | 96.6 | 97.2 | 97.6 | 97.8 | 98.9 | 100.4 | 101.0 | 101.9 | 102.4 | 103.9 |
| 67.5° | 81.5 | 81.6 | 81.5 | 82.1 | 83.4 | 83.6 | 85.0 | 86.5 | 86.7 | 87.6 | 88.5 |
| 70° | 71.1 | 71.5 | 71.9 | 72.4 | 73.4 | 73.9 | 74.9 | 75.6 | 76.4 | 77.1 | 77.8 |
| 72.5° | 61.5 | 61.5 | 62.0 | 61.9 | 62.9 | 63.7 | 64.7 | 65.3 | 66.2 | 67.0 | 67.6 |
| 75° | 47.3 | 47.3 | 47.8 | 48.0 | 49.0 | 50.1 | 49.9 | 50.3 | 51.2 | 52.0 | 52.5 |
| 77.5° | 34.6 | 34.1 | 34.6 | 34.8 | 35.2 | 36.0 | 36.2 | 36.8 | 37.8 | 37.5 | 38.0 |
| 80° | 26.3 | 25.7 | 26.3 | 26.6 | 26.6 | 27.6 | 27.6 | 28.1 | 28.7 | 28.1 | 28.7 |
| 82.5° | 18.8 | 18.5 | 18.9 | 19.0 | 19.3 | 19.4 | 19.7 | 19.8 | 20.5 | 20.2 | 20.5 |
| 85° | 9.4 | 9.2 | 9.4 | 9.2 | 9.4 | 9.6 | 9.6 | 9.4 | 9.4 | 9.8 | 9.2 |
| 87.5° | 4.7 | 5.0 | 5.6 | 6.5 | 7.3 | 7.3 | 6.9 | 6.8 | 6.5 | 6.4 | 6.6 |
| 90° | 8.9 | 11.0 | 14.7 | 19.9 | 24.3 | 25.1 | 24.3 | 23.6 | 22.1 | 23.6 | 24.3 |
| 92.5° | 26.5 | 33.5 | 50.1 | 73.5 | 94.4 | 95.8 | 80.9 | 64.3 | 55.1 | 48.9 | 44.4 |
| 95° | 54.5 | 72.2 | 106.1 | 170.2 | 255.7 | 288.8 | 252.7 | 193.0 | 148.1 | 117.2 | 100.9 |
| 97.5° | 77.4 | 97.4 | 140.0 | 229.3 | 371.4 | 493.0 | 517.3 | 450.4 | 368.5 | 288.8 | 235.6 |
| 100° | 92.1 | 112.7 | 151.7 | 241.7 | 400.8 | 582.0 | 688.2 | 672.7 | 581.4 | 480.4 | 391.2 |
| 102.5° | 105.7 | 126.3 | 162.4 | 242.2 | 389.6 | 585.0 | 751.8 | 818.3 | 797.7 | 723.8 | 629.3 |
| 105° | 125.3 | 145.9 | 180.5 | 246.1 | 367.7 | 545.9 | 742.0 | 895.2 | 978.5 | 988.1 | 963.7 |
| 107.5° | 144.7 | 165.5 | 199.1 | 256.3 | 356.8 | 504.1 | 677.2 | 839.8 | 965.2 | 1041.8 | 1077.5 |
| 110° | 157.7 | 179.1 | 211.4 | 264.5 | 354.4 | 484.1 | 636.6 | 792.0 | 924.0 | 1018.2 | 1078.6 |



TEST NUMBER: P331260-830

CATALOG NUMBER: SA2XXDIP-C290D725U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 170.0 | 192.0 | 223.3 | 273.3 | 355.0 | 471.1 | 608.3 | 748.5 | 875.0 | 975.8 | 1045.1 |
| 115° | 190.1 | 210.0 | 241.7 | 286.6 | 358.1 | 456.9 | 573.3 | 694.7 | 808.2 | 904.7 | 980.6 |
| 117.5° | 208.7 | 229.3 | 258.6 | 300.8 | 363.4 | 449.9 | 551.1 | 654.4 | 754.0 | 841.6 | 912.8 |
| 120° | 221.0 | 241.7 | 270.4 | 310.2 | 366.9 | 445.7 | 539.3 | 634.3 | 725.8 | 803.8 | 870.9 |
| 122.5° | 233.4 | 254.7 | 281.6 | 318.5 | 371.1 | 443.4 | 529.3 | 618.5 | 702.2 | 776.1 | 836.7 |
| 125° | 251.3 | 271.8 | 298.4 | 331.6 | 377.2 | 439.1 | 515.0 | 595.3 | 671.2 | 736.0 | 791.3 |
| 127.5° | 267.0 | 288.2 | 314.1 | 343.7 | 383.6 | 436.6 | 501.7 | 572.5 | 641.1 | 702.3 | 753.3 |
| 130° | 277.0 | 297.7 | 323.5 | 351.5 | 388.3 | 435.5 | 492.9 | 557.7 | 621.1 | 679.3 | 727.9 |
| 132.5° | 286.4 | 307.1 | 331.7 | 359.1 | 393.0 | 434.9 | 485.9 | 543.6 | 602.3 | 655.7 | 701.4 |
| 135° | 299.2 | 319.8 | 343.4 | 369.1 | 398.6 | 433.9 | 476.0 | 523.9 | 572.5 | 621.1 | 662.3 |
| 137.5° | 310.4 | 329.5 | 352.8 | 376.8 | 403.6 | 433.9 | 469.0 | 508.1 | 548.7 | 587.4 | 623.3 |
| 140° | 316.8 | 336.0 | 358.1 | 380.9 | 406.0 | 433.2 | 465.0 | 498.0 | 533.5 | 567.3 | 599.7 |
| 142.5° | 322.7 | 340.7 | 362.2 | 384.5 | 407.7 | 433.2 | 460.8 | 489.8 | 519.9 | 549.0 | 576.2 |
| 145° | 332.2 | 348.5 | 368.4 | 389.0 | 409.6 | 431.8 | 455.3 | 478.2 | 502.5 | 525.4 | 546.7 |
| 147.5° | 340.3 | 354.7 | 373.4 | 391.5 | 410.3 | 429.1 | 449.8 | 469.2 | 488.3 | 506.1 | 521.8 |
| 150° | 345.5 | 358.8 | 375.8 | 392.7 | 409.6 | 427.3 | 445.0 | 462.7 | 478.9 | 494.4 | 507.7 |
| 152.5° | 350.8 | 363.0 | 378.1 | 393.3 | 408.5 | 424.4 | 440.9 | 456.2 | 471.3 | 484.4 | 495.9 |
| 155° | 358.1 | 369.1 | 381.6 | 394.2 | 406.7 | 419.2 | 433.2 | 447.2 | 459.0 | 470.0 | 478.2 |
| 157.5° | 364.3 | 373.5 | 384.2 | 394.2 | 403.3 | 414.0 | 426.0 | 436.8 | 446.7 | 455.9 | 462.2 |
| 160° | 368.4 | 376.5 | 385.3 | 394.2 | 401.5 | 410.4 | 420.8 | 430.3 | 438.4 | 446.5 | 451.7 |
| 162.5° | 371.9 | 378.2 | 386.0 | 393.6 | 399.8 | 407.5 | 415.9 | 423.8 | 430.7 | 437.6 | 441.7 |
| 165° | 375.8 | 380.2 | 386.8 | 392.0 | 396.4 | 401.5 | 408.2 | 414.1 | 419.2 | 424.4 | 427.3 |
| 167.5° | 379.0 | 381.8 | 386.6 | 391.0 | 393.0 | 396.4 | 400.5 | 404.8 | 408.8 | 412.3 | 415.0 |
| 170° | 380.2 | 382.4 | 386.1 | 389.7 | 391.2 | 393.4 | 396.4 | 400.1 | 402.3 | 405.2 | 406.7 |
| 172.5° | 381.4 | 383.0 | 385.5 | 388.0 | 388.9 | 389.9 | 392.3 | 394.7 | 396.4 | 398.8 | 399.6 |
| 175° | 382.4 | 383.1 | 384.6 | 386.1 | 385.3 | 386.1 | 386.8 | 389.0 | 389.7 | 390.5 | 391.2 |
| 177.5° | 383.1 | 383.1 | 383.7 | 384.9 | 383.7 | 383.1 | 383.7 | 384.9 | 384.9 | 385.5 | 385.5 |
| 180° | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 |



TEST NUMBER: P331260-830

CATALOG NUMBER: SA2XXDIP-C290D725U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 0° | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 |
| 2.5° | 534.3 | 534.0 | 534.0 | 532.4 | 534.0 | 534.0 | 534.3 | 536.0 | 536.6 | 536.9 | 536.2 |
| 5° | 495.7 | 495.0 | 494.0 | 495.0 | 494.0 | 495.0 | 495.7 | 498.7 | 500.2 | 501.6 | 502.9 |
| 7.5° | 457.4 | 454.9 | 454.5 | 451.9 | 454.5 | 454.9 | 457.4 | 458.8 | 461.8 | 465.2 | 468.3 |
| 10° | 429.5 | 427.8 | 427.5 | 423.5 | 427.5 | 427.8 | 429.5 | 433.2 | 436.1 | 440.2 | 444.5 |
| 12.5° | 408.3 | 404.2 | 405.0 | 402.7 | 405.0 | 404.2 | 408.3 | 408.3 | 411.8 | 414.3 | 421.0 |
| 15° | 371.5 | 371.5 | 370.6 | 367.0 | 370.6 | 371.5 | 371.5 | 377.3 | 378.3 | 382.4 | 388.1 |
| 17.5° | 345.1 | 344.6 | 342.6 | 343.7 | 342.6 | 344.6 | 345.1 | 349.3 | 350.1 | 355.4 | 360.2 |
| 20° | 329.3 | 328.0 | 325.5 | 325.5 | 325.5 | 328.0 | 329.3 | 331.7 | 334.4 | 337.6 | 341.8 |
| 22.5° | 314.4 | 314.3 | 311.6 | 312.5 | 311.6 | 314.3 | 314.4 | 316.6 | 319.2 | 322.7 | 326.1 |
| 25° | 297.0 | 295.3 | 294.0 | 294.6 | 294.0 | 295.3 | 297.0 | 297.2 | 300.2 | 302.6 | 304.7 |
| 27.5° | 280.4 | 279.5 | 279.4 | 277.7 | 279.4 | 279.5 | 280.4 | 281.0 | 282.7 | 284.1 | 286.1 |
| 30° | 270.9 | 268.7 | 269.1 | 268.1 | 269.1 | 268.7 | 270.9 | 271.1 | 271.9 | 272.8 | 275.1 |
| 32.5° | 259.9 | 259.1 | 258.7 | 257.8 | 258.7 | 259.1 | 259.9 | 260.2 | 262.0 | 262.9 | 264.7 |
| 35° | 245.0 | 245.2 | 244.1 | 244.5 | 244.1 | 245.2 | 245.0 | 245.3 | 245.6 | 246.5 | 248.2 |
| 37.5° | 231.9 | 232.5 | 232.1 | 232.1 | 232.1 | 232.5 | 231.9 | 232.1 | 232.3 | 232.4 | 233.0 |
| 40° | 223.3 | 223.3 | 223.3 | 223.9 | 223.3 | 223.3 | 223.3 | 222.7 | 222.9 | 222.7 | 222.7 |
| 42.5° | 215.1 | 214.7 | 214.4 | 214.3 | 214.4 | 214.7 | 215.1 | 213.6 | 214.3 | 213.6 | 213.3 |
| 45° | 201.0 | 201.7 | 201.9 | 200.9 | 201.9 | 201.7 | 201.0 | 200.7 | 200.0 | 199.7 | 199.5 |
| 47.5° | 188.3 | 188.4 | 188.3 | 189.3 | 188.3 | 188.4 | 188.3 | 187.8 | 186.8 | 186.4 | 185.4 |
| 50° | 179.5 | 179.0 | 179.5 | 179.0 | 179.5 | 179.0 | 179.5 | 178.3 | 177.7 | 176.6 | 175.8 |
| 52.5° | 170.0 | 170.1 | 169.8 | 169.8 | 169.8 | 170.1 | 170.0 | 168.6 | 168.3 | 167.9 | 166.5 |
| 55° | 155.2 | 155.6 | 155.4 | 155.4 | 155.4 | 155.6 | 155.2 | 154.4 | 154.2 | 152.9 | 151.6 |
| 57.5° | 140.0 | 140.3 | 140.6 | 139.7 | 140.6 | 140.3 | 140.0 | 139.8 | 139.7 | 138.3 | 137.0 |
| 60° | 129.3 | 130.4 | 130.2 | 129.8 | 130.2 | 130.4 | 129.3 | 129.5 | 128.9 | 128.0 | 127.1 |
| 62.5° | 119.5 | 120.0 | 119.9 | 119.8 | 119.9 | 120.0 | 119.5 | 118.6 | 118.3 | 117.4 | 116.6 |
| 65° | 104.5 | 104.9 | 104.2 | 104.9 | 104.2 | 104.9 | 104.5 | 103.9 | 102.4 | 101.9 | 101.0 |
| 67.5° | 88.2 | 88.4 | 88.9 | 89.2 | 88.9 | 88.4 | 88.2 | 88.5 | 87.6 | 86.7 | 86.5 |
| 70° | 78.1 | 77.9 | 78.6 | 79.3 | 78.6 | 77.9 | 78.1 | 77.8 | 77.1 | 76.4 | 75.6 |
| 72.5° | 67.5 | 68.0 | 67.8 | 68.2 | 67.8 | 68.0 | 67.5 | 67.6 | 67.0 | 66.2 | 65.3 |
| 75° | 52.0 | 52.7 | 52.5 | 53.1 | 52.5 | 52.7 | 52.0 | 52.5 | 52.0 | 51.2 | 50.3 |
| 77.5° | 37.6 | 37.7 | 37.6 | 38.0 | 37.6 | 37.7 | 37.6 | 38.0 | 37.5 | 37.8 | 36.8 |
| 80° | 28.7 | 28.3 | 27.8 | 28.7 | 27.8 | 28.3 | 28.7 | 28.7 | 28.1 | 28.7 | 28.1 |
| 82.5° | 20.0 | 20.2 | 19.8 | 19.8 | 19.8 | 20.2 | 20.0 | 20.5 | 20.2 | 20.5 | 19.8 |
| 85° | 9.2 | 9.0 | 8.6 | 8.6 | 8.6 | 9.0 | 9.2 | 9.2 | 9.8 | 9.4 | 9.4 |
| 87.5° | 6.6 | 6.4 | 6.4 | 6.2 | 6.4 | 6.4 | 6.6 | 6.6 | 6.4 | 6.5 | 6.8 |
| 90° | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 23.6 | 22.1 | 23.6 |
| 92.5° | 43.7 | 41.4 | 42.0 | 40.8 | 42.0 | 41.4 | 43.7 | 44.4 | 48.9 | 55.1 | 64.3 |
| 95° | 91.3 | 85.5 | 83.2 | 84.0 | 83.2 | 85.5 | 91.3 | 100.9 | 117.2 | 148.1 | 193.0 |
| 97.5° | 200.4 | 182.3 | 171.5 | 165.3 | 171.5 | 182.3 | 200.4 | 235.6 | 288.8 | 368.5 | 450.4 |
| 100° | 330.1 | 298.4 | 277.0 | 263.7 | 277.0 | 298.4 | 330.1 | 391.2 | 480.4 | 581.4 | 672.7 |
| 102.5° | 562.9 | 508.8 | 482.1 | 464.2 | 482.1 | 508.8 | 562.9 | 629.3 | 723.8 | 797.7 | 818.3 |
| 105° | 918.0 | 872.3 | 840.7 | 830.4 | 840.7 | 872.3 | 918.0 | 963.7 | 988.1 | 978.5 | 895.2 |
| 107.5° | 1083.3 | 1080.7 | 1074.4 | 1060.6 | 1074.4 | 1080.7 | 1083.3 | 1077.5 | 1041.8 | 965.2 | 839.8 |
| 110° | 1110.3 | 1124.4 | 1131.0 | 1130.2 | 1131.0 | 1124.4 | 1110.3 | 1078.6 | 1018.2 | 924.0 | 792.0 |



TEST NUMBER: P331260-830

CATALOG NUMBER: SA2XXDIP-C290D725U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 112.5° | 1089.1 | 1112.6 | 1125.1 | 1129.1 | 1125.1 | 1112.6 | 1089.1 | 1045.1 | 975.8 | 875.0 | 748.5 |
| 115° | 1032.9 | 1066.9 | 1086.0 | 1092.7 | 1086.0 | 1066.9 | 1032.9 | 980.6 | 904.7 | 808.2 | 694.7 |
| 117.5° | 966.1 | 1001.9 | 1022.1 | 1027.7 | 1022.1 | 1001.9 | 966.1 | 912.8 | 841.6 | 754.0 | 654.4 |
| 120° | 922.5 | 957.1 | 978.5 | 985.8 | 978.5 | 957.1 | 922.5 | 870.9 | 803.8 | 725.8 | 634.3 |
| 122.5° | 883.0 | 917.0 | 936.0 | 942.2 | 936.0 | 917.0 | 883.0 | 836.7 | 776.1 | 702.2 | 618.5 |
| 125° | 834.1 | 862.0 | 880.4 | 886.4 | 880.4 | 862.0 | 834.1 | 791.3 | 736.0 | 671.2 | 595.3 |
| 127.5° | 790.6 | 816.8 | 832.7 | 837.4 | 832.7 | 816.8 | 790.6 | 753.3 | 702.3 | 641.1 | 572.5 |
| 130° | 764.0 | 789.1 | 803.8 | 809.7 | 803.8 | 789.1 | 764.0 | 727.9 | 679.3 | 621.1 | 557.7 |
| 132.5° | 737.0 | 762.0 | 775.5 | 780.8 | 775.5 | 762.0 | 737.0 | 701.4 | 655.7 | 602.3 | 543.6 |
| 135° | 694.1 | 718.4 | 731.6 | 734.6 | 731.6 | 718.4 | 694.1 | 662.3 | 621.1 | 572.5 | 523.9 |
| 137.5° | 652.2 | 673.2 | 684.8 | 689.2 | 684.8 | 673.2 | 652.2 | 623.3 | 587.4 | 548.7 | 508.1 |
| 140° | 623.3 | 642.4 | 653.6 | 658.0 | 653.6 | 642.4 | 623.3 | 599.7 | 567.3 | 533.5 | 498.0 |
| 142.5° | 598.6 | 616.0 | 625.8 | 626.7 | 625.8 | 616.0 | 598.6 | 576.2 | 549.0 | 519.9 | 489.8 |
| 145° | 564.4 | 576.9 | 584.3 | 586.4 | 584.3 | 576.9 | 564.4 | 546.7 | 525.4 | 502.5 | 478.2 |
| 147.5° | 536.4 | 546.4 | 551.4 | 552.7 | 551.4 | 546.4 | 536.4 | 521.8 | 506.1 | 488.3 | 469.2 |
| 150° | 518.7 | 527.5 | 532.0 | 532.7 | 532.0 | 527.5 | 518.7 | 507.7 | 494.4 | 478.9 | 462.7 |
| 152.5° | 504.5 | 512.2 | 515.5 | 515.6 | 515.5 | 512.2 | 504.5 | 495.9 | 484.4 | 471.3 | 456.2 |
| 155° | 486.3 | 491.4 | 494.4 | 492.9 | 494.4 | 491.4 | 486.3 | 478.2 | 470.0 | 459.0 | 447.2 |
| 157.5° | 468.0 | 472.3 | 473.6 | 473.6 | 473.6 | 472.3 | 468.0 | 462.2 | 455.9 | 446.7 | 436.8 |
| 160° | 456.9 | 460.5 | 461.2 | 461.2 | 461.2 | 460.5 | 456.9 | 451.7 | 446.5 | 438.4 | 430.3 |
| 162.5° | 446.8 | 449.3 | 450.1 | 449.4 | 450.1 | 449.3 | 446.8 | 441.7 | 437.6 | 430.7 | 423.8 |
| 165° | 430.3 | 433.2 | 433.2 | 432.5 | 433.2 | 433.2 | 430.3 | 427.3 | 424.4 | 419.2 | 414.1 |
| 167.5° | 416.3 | 417.9 | 417.7 | 416.9 | 417.7 | 417.9 | 416.3 | 415.0 | 412.3 | 408.8 | 404.8 |
| 170° | 407.5 | 409.6 | 408.9 | 407.5 | 408.9 | 409.6 | 407.5 | 406.7 | 405.2 | 402.3 | 400.1 |
| 172.5° | 400.4 | 401.4 | 400.7 | 399.8 | 400.7 | 401.4 | 400.4 | 399.6 | 398.8 | 396.4 | 394.7 |
| 175° | 391.2 | 392.0 | 391.2 | 389.7 | 391.2 | 392.0 | 391.2 | 391.2 | 390.5 | 389.7 | 389.0 |
| 177.5° | 385.5 | 385.5 | 384.9 | 383.7 | 384.9 | 385.5 | 385.5 | 385.5 | 385.5 | 384.9 | 384.9 |
| 180° | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 |



TEST NUMBER: P331260-830

CATALOG NUMBER: SA2XXDIP-C290D725U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 |
| 2.5° | 535.4 | 537.2 | 540.2 | 543.3 | 545.2 | 548.7 | 549.8 | 551.5 | 553.0 | 556.6 | 560.3 |
| 5° | 504.4 | 507.5 | 514.5 | 518.4 | 523.7 | 529.9 | 534.0 | 538.3 | 543.0 | 551.1 | 558.6 |
| 7.5° | 471.3 | 476.3 | 485.1 | 492.3 | 499.9 | 508.8 | 515.2 | 523.7 | 530.7 | 542.2 | 553.2 |
| 10° | 449.2 | 456.3 | 464.2 | 472.8 | 483.4 | 492.9 | 501.9 | 512.6 | 521.1 | 534.9 | 547.7 |
| 12.5° | 429.3 | 430.4 | 441.8 | 451.2 | 465.8 | 477.5 | 487.9 | 501.6 | 510.0 | 526.3 | 539.8 |
| 15° | 394.6 | 401.1 | 411.3 | 418.8 | 436.1 | 450.9 | 465.5 | 479.8 | 489.5 | 509.6 | 527.4 |
| 17.5° | 365.3 | 371.3 | 381.8 | 394.1 | 406.5 | 421.2 | 440.1 | 455.2 | 468.3 | 491.3 | 512.4 |
| 20° | 346.9 | 354.1 | 364.9 | 377.5 | 388.4 | 404.4 | 420.8 | 438.1 | 452.2 | 478.2 | 502.8 |
| 22.5° | 331.1 | 336.9 | 345.5 | 358.0 | 369.9 | 384.6 | 402.4 | 421.3 | 436.1 | 464.1 | 489.0 |
| 25° | 309.0 | 313.7 | 319.2 | 329.5 | 343.0 | 359.1 | 373.0 | 393.8 | 415.4 | 441.5 | 471.6 |
| 27.5° | 289.0 | 292.4 | 297.3 | 306.3 | 316.8 | 331.8 | 347.2 | 366.9 | 388.7 | 417.1 | 448.9 |
| 30° | 276.8 | 279.0 | 283.9 | 291.4 | 301.7 | 313.5 | 329.1 | 347.9 | 370.2 | 398.9 | 430.6 |
| 32.5° | 266.3 | 268.2 | 271.5 | 278.5 | 287.5 | 297.6 | 311.6 | 330.5 | 351.7 | 379.8 | 415.0 |
| 35° | 250.3 | 251.8 | 254.6 | 260.3 | 265.3 | 275.1 | 286.9 | 304.1 | 324.0 | 350.9 | 387.3 |
| 37.5° | 234.4 | 236.5 | 238.2 | 240.6 | 246.9 | 253.4 | 263.6 | 278.1 | 297.7 | 324.9 | 359.6 |
| 40° | 223.9 | 225.6 | 228.3 | 229.3 | 234.4 | 240.3 | 248.5 | 261.8 | 281.5 | 306.4 | 340.3 |
| 42.5° | 213.3 | 215.1 | 216.6 | 217.8 | 222.3 | 227.3 | 234.9 | 246.3 | 263.7 | 287.9 | 321.4 |
| 45° | 198.9 | 199.2 | 200.7 | 203.0 | 205.1 | 208.8 | 214.1 | 223.9 | 237.4 | 260.1 | 290.6 |
| 47.5° | 184.3 | 184.5 | 184.7 | 185.8 | 188.1 | 191.4 | 195.0 | 203.0 | 215.1 | 233.2 | 262.8 |
| 50° | 174.5 | 174.1 | 174.5 | 175.3 | 176.8 | 179.6 | 183.7 | 189.5 | 199.3 | 216.2 | 243.5 |
| 52.5° | 165.0 | 165.0 | 164.8 | 165.0 | 166.3 | 168.1 | 171.1 | 176.0 | 184.7 | 200.3 | 224.2 |
| 55° | 150.7 | 149.7 | 149.9 | 149.0 | 151.0 | 151.4 | 153.5 | 157.6 | 165.3 | 176.0 | 198.5 |
| 57.5° | 135.4 | 134.6 | 133.7 | 133.4 | 133.2 | 134.3 | 136.0 | 139.2 | 145.2 | 154.6 | 172.8 |
| 60° | 125.6 | 124.6 | 123.3 | 122.9 | 122.9 | 123.6 | 124.4 | 126.8 | 132.3 | 140.6 | 155.6 |
| 62.5° | 115.7 | 114.5 | 113.8 | 112.6 | 112.3 | 112.9 | 113.8 | 115.5 | 119.5 | 127.3 | 140.3 |
| 65° | 100.4 | 98.9 | 97.8 | 97.6 | 97.2 | 96.6 | 97.0 | 98.7 | 101.9 | 108.1 | 118.4 |
| 67.5° | 85.0 | 83.6 | 83.4 | 82.1 | 81.5 | 81.6 | 81.5 | 82.9 | 84.9 | 90.3 | 97.9 |
| 70° | 74.9 | 73.9 | 73.4 | 72.4 | 71.9 | 71.5 | 71.1 | 72.4 | 74.3 | 78.8 | 85.4 |
| 72.5° | 64.7 | 63.7 | 62.9 | 61.9 | 62.0 | 61.5 | 61.5 | 62.3 | 63.8 | 68.0 | 73.1 |
| 75° | 49.9 | 50.1 | 49.0 | 48.0 | 47.8 | 47.3 | 47.3 | 48.0 | 48.6 | 51.8 | 55.9 |
| 77.5° | 36.2 | 36.0 | 35.2 | 34.8 | 34.6 | 34.1 | 34.6 | 35.0 | 35.3 | 37.5 | 40.4 |
| 80° | 27.6 | 27.6 | 26.6 | 26.6 | 26.3 | 25.7 | 26.3 | 25.9 | 26.8 | 28.9 | 31.0 |
| 82.5° | 19.7 | 19.4 | 19.3 | 19.0 | 18.9 | 18.5 | 18.8 | 19.2 | 19.6 | 21.0 | 22.3 |
| 85° | 9.6 | 9.6 | 9.4 | 9.2 | 9.4 | 9.2 | 9.4 | 9.6 | 9.8 | 10.5 | 11.6 |
| 87.5° | 6.9 | 7.3 | 7.3 | 6.5 | 5.6 | 5.0 | 4.7 | 4.5 | 4.6 | 4.1 | 4.0 |
| 90° | 24.3 | 25.1 | 24.3 | 19.9 | 14.7 | 11.0 | 8.9 | 7.4 | 5.9 | 2.9 | 0.8 |
| 92.5° | 80.9 | 95.8 | 94.4 | 73.5 | 50.1 | 33.5 | 26.5 | 21.5 | 18.3 | 13.0 | 9.0 |
| 95° | 252.7 | 288.8 | 255.7 | 170.2 | 106.1 | 72.2 | 54.5 | 42.7 | 36.1 | 28.7 | 25.8 |
| 97.5° | 517.3 | 493.0 | 371.4 | 229.3 | 140.0 | 97.4 | 77.4 | 63.8 | 53.8 | 46.0 | 42.0 |
| 100° | 688.2 | 582.0 | 400.8 | 241.7 | 151.7 | 112.7 | 92.1 | 77.4 | 65.6 | 58.9 | 56.7 |
| 102.5° | 751.8 | 585.0 | 389.6 | 242.2 | 162.4 | 126.3 | 105.7 | 90.3 | 78.5 | 71.9 | 70.3 |
| 105° | 742.0 | 545.9 | 367.7 | 246.1 | 180.5 | 145.9 | 125.3 | 109.1 | 98.0 | 92.8 | 89.9 |
| 107.5° | 677.2 | 504.1 | 356.8 | 256.3 | 199.1 | 165.5 | 144.7 | 128.7 | 118.5 | 113.5 | 111.1 |
| 110° | 636.6 | 484.1 | 354.4 | 264.5 | 211.4 | 179.1 | 157.7 | 142.2 | 132.6 | 128.2 | 125.3 |



TEST NUMBER: P331260-830

CATALOG NUMBER: SA2XXDIP-C290D725U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 608.3 | 471.1 | 355.0 | 273.3 | 223.3 | 192.0 | 170.0 | 155.1 | 146.2 | 141.2 | 138.2 |
| 115° | 573.3 | 456.9 | 358.1 | 286.6 | 241.7 | 210.0 | 190.1 | 175.3 | 166.5 | 162.1 | 158.4 |
| 117.5° | 551.1 | 449.9 | 363.4 | 300.8 | 258.6 | 229.3 | 208.7 | 194.5 | 186.7 | 182.3 | 179.4 |
| 120° | 539.3 | 445.7 | 366.9 | 310.2 | 270.4 | 241.7 | 221.0 | 206.3 | 199.6 | 195.3 | 192.3 |
| 122.5° | 529.3 | 443.4 | 371.1 | 318.5 | 281.6 | 254.7 | 233.4 | 218.7 | 211.4 | 207.1 | 204.7 |
| 125° | 515.0 | 439.1 | 377.2 | 331.6 | 298.4 | 271.8 | 251.3 | 236.5 | 227.6 | 223.3 | 221.0 |
| 127.5° | 501.7 | 436.6 | 383.6 | 343.7 | 314.1 | 288.2 | 267.0 | 252.9 | 243.2 | 237.0 | 234.0 |
| 130° | 492.9 | 435.5 | 388.3 | 351.5 | 323.5 | 297.7 | 277.0 | 262.3 | 251.9 | 244.6 | 241.7 |
| 132.5° | 485.9 | 434.9 | 393.0 | 359.1 | 331.7 | 307.1 | 286.4 | 271.2 | 260.2 | 252.3 | 248.7 |
| 135° | 476.0 | 433.9 | 398.6 | 369.1 | 343.4 | 319.8 | 299.2 | 282.2 | 271.2 | 262.3 | 259.4 |
| 137.5° | 469.0 | 433.9 | 403.6 | 376.8 | 352.8 | 329.5 | 310.4 | 293.5 | 281.7 | 272.9 | 269.4 |
| 140° | 465.0 | 433.2 | 406.0 | 380.9 | 358.1 | 336.0 | 316.8 | 300.6 | 288.8 | 279.9 | 277.0 |
| 142.5° | 460.8 | 433.2 | 407.7 | 384.5 | 362.2 | 340.7 | 322.7 | 307.1 | 295.3 | 287.1 | 284.6 |
| 145° | 455.3 | 431.8 | 409.6 | 389.0 | 368.4 | 348.5 | 332.2 | 317.5 | 306.5 | 299.2 | 296.1 |
| 147.5° | 449.8 | 429.1 | 410.3 | 391.5 | 373.4 | 354.7 | 340.3 | 328.0 | 317.8 | 310.8 | 308.6 |
| 150° | 445.0 | 427.3 | 409.6 | 392.7 | 375.8 | 358.8 | 345.5 | 334.5 | 324.9 | 319.1 | 316.8 |
| 152.5° | 440.9 | 424.4 | 408.5 | 393.3 | 378.1 | 363.0 | 350.8 | 340.4 | 332.0 | 326.1 | 325.1 |
| 155° | 433.2 | 419.2 | 406.7 | 394.2 | 381.6 | 369.1 | 358.1 | 350.0 | 341.9 | 337.4 | 336.7 |
| 157.5° | 426.0 | 414.0 | 403.3 | 394.2 | 384.2 | 373.5 | 364.3 | 357.8 | 350.7 | 347.1 | 346.5 |
| 160° | 420.8 | 410.4 | 401.5 | 394.2 | 385.3 | 376.5 | 368.4 | 362.5 | 356.6 | 353.6 | 352.9 |
| 162.5° | 415.9 | 407.5 | 399.8 | 393.6 | 386.0 | 378.2 | 371.9 | 366.6 | 361.9 | 358.9 | 359.4 |
| 165° | 408.2 | 401.5 | 396.4 | 392.0 | 386.8 | 380.2 | 375.8 | 372.1 | 367.7 | 366.2 | 366.9 |
| 167.5° | 400.5 | 396.4 | 393.0 | 391.0 | 386.6 | 381.8 | 379.0 | 376.4 | 373.5 | 372.2 | 373.2 |
| 170° | 396.4 | 393.4 | 391.2 | 389.7 | 386.1 | 382.4 | 380.2 | 378.7 | 376.5 | 375.8 | 377.2 |
| 172.5° | 392.3 | 389.9 | 388.9 | 388.0 | 385.5 | 383.0 | 381.4 | 380.5 | 378.2 | 378.7 | 379.6 |
| 175° | 386.8 | 386.1 | 385.3 | 386.1 | 384.6 | 383.1 | 382.4 | 382.4 | 380.9 | 381.6 | 382.4 |
| 177.5° | 383.7 | 383.1 | 383.7 | 384.9 | 383.7 | 383.1 | 383.1 | 383.1 | 381.9 | 382.6 | 383.7 |
| 180° | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 |



TEST NUMBER: P331260-830

CATALOG NUMBER: SA2XXDIP-C290D725U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 |
| 2.5° | 560.1 | 560.9 | 563.6 | 566.4 | 569.5 | 570.3 | 571.7 | 570.5 | 570.1 | 573.3 | 575.8 |
| 5° | 561.7 | 565.4 | 573.0 | 579.9 | 585.6 | 589.7 | 594.0 | 595.7 | 598.9 | 603.3 | 609.0 |
| 7.5° | 559.8 | 567.3 | 579.1 | 589.1 | 599.9 | 607.8 | 613.9 | 619.2 | 625.5 | 634.0 | 643.3 |
| 10° | 557.8 | 567.8 | 582.2 | 594.4 | 607.7 | 617.7 | 626.0 | 634.2 | 643.7 | 655.4 | 667.6 |
| 12.5° | 554.0 | 565.9 | 583.9 | 598.3 | 615.4 | 625.3 | 636.5 | 654.0 | 664.2 | 680.6 | 697.8 |
| 15° | 546.4 | 559.7 | 584.8 | 602.5 | 621.8 | 640.6 | 661.4 | 678.1 | 694.7 | 704.5 | 728.6 |
| 17.5° | 535.2 | 554.6 | 582.4 | 603.1 | 627.6 | 657.2 | 680.6 | 699.6 | 718.8 | 734.4 | 746.6 |
| 20° | 526.0 | 547.2 | 579.0 | 603.8 | 632.9 | 664.8 | 691.5 | 710.9 | 727.5 | 740.6 | 748.1 |
| 22.5° | 514.6 | 541.3 | 572.1 | 601.2 | 638.4 | 670.0 | 698.0 | 713.2 | 727.2 | 733.6 | 736.5 |
| 25° | 496.5 | 528.7 | 563.5 | 599.1 | 641.0 | 674.5 | 700.1 | 709.4 | 713.4 | 707.2 | 696.9 |
| 27.5° | 477.0 | 512.8 | 553.6 | 595.0 | 639.4 | 671.6 | 689.9 | 688.5 | 681.6 | 661.5 | 645.5 |
| 30° | 462.5 | 501.9 | 545.7 | 591.0 | 635.5 | 666.8 | 677.4 | 666.8 | 651.1 | 628.7 | 605.7 |
| 32.5° | 447.2 | 488.0 | 537.3 | 585.1 | 628.3 | 655.8 | 658.1 | 639.7 | 615.5 | 589.9 | 561.4 |
| 35° | 424.1 | 468.3 | 521.6 | 572.1 | 613.0 | 630.4 | 620.1 | 587.5 | 558.8 | 524.0 | 484.9 |
| 37.5° | 398.0 | 446.8 | 500.2 | 553.1 | 590.1 | 594.7 | 569.1 | 534.9 | 494.4 | 453.4 | 407.5 |
| 40° | 378.5 | 430.2 | 485.2 | 538.5 | 571.3 | 566.6 | 534.0 | 496.3 | 448.2 | 398.0 | 355.4 |
| 42.5° | 361.1 | 412.6 | 468.7 | 521.0 | 547.2 | 534.3 | 496.3 | 450.1 | 398.3 | 351.1 | 312.1 |
| 45° | 330.8 | 383.9 | 441.3 | 491.8 | 506.8 | 483.4 | 433.2 | 381.7 | 330.8 | 291.4 | 260.6 |
| 47.5° | 301.4 | 353.9 | 410.8 | 455.2 | 460.4 | 429.0 | 374.1 | 321.2 | 277.4 | 245.3 | 223.6 |
| 50° | 279.8 | 332.5 | 388.8 | 428.5 | 426.7 | 388.8 | 332.3 | 282.0 | 245.3 | 219.4 | 204.9 |
| 52.5° | 260.5 | 310.3 | 364.3 | 400.4 | 391.2 | 350.0 | 296.0 | 251.3 | 221.2 | 201.0 | 187.8 |
| 55° | 230.4 | 276.4 | 327.8 | 356.8 | 340.0 | 294.2 | 248.5 | 212.6 | 190.3 | 175.1 | 164.9 |
| 57.5° | 200.5 | 243.6 | 287.7 | 305.5 | 287.0 | 244.7 | 206.7 | 180.6 | 163.8 | 152.6 | 145.9 |
| 60° | 182.0 | 219.7 | 258.8 | 274.3 | 252.2 | 214.5 | 184.5 | 161.3 | 147.7 | 138.6 | 132.5 |
| 62.5° | 163.5 | 197.3 | 234.2 | 242.6 | 222.4 | 190.6 | 164.0 | 144.6 | 133.6 | 125.4 | 119.7 |
| 65° | 138.3 | 166.0 | 194.0 | 199.5 | 181.0 | 156.3 | 135.3 | 122.7 | 112.8 | 106.9 | 102.4 |
| 67.5° | 113.5 | 135.6 | 155.5 | 159.9 | 143.6 | 126.6 | 111.4 | 100.4 | 93.8 | 88.8 | 84.9 |
| 70° | 98.7 | 116.3 | 132.5 | 136.2 | 123.1 | 107.9 | 96.3 | 87.6 | 81.5 | 77.3 | 73.6 |
| 72.5° | 83.1 | 97.7 | 111.3 | 113.8 | 103.1 | 91.4 | 82.0 | 75.0 | 69.7 | 67.0 | 63.5 |
| 75° | 63.6 | 72.2 | 82.7 | 83.3 | 76.3 | 69.2 | 61.9 | 57.4 | 54.6 | 51.2 | 49.5 |
| 77.5° | 44.9 | 51.6 | 57.6 | 58.7 | 54.6 | 49.8 | 45.7 | 42.1 | 39.8 | 38.2 | 36.6 |
| 80° | 34.2 | 39.6 | 42.2 | 43.6 | 40.7 | 37.2 | 34.9 | 32.5 | 31.0 | 30.0 | 28.9 |
| 82.5° | 24.5 | 27.8 | 30.2 | 31.4 | 29.7 | 27.6 | 25.4 | 23.9 | 22.8 | 22.0 | 21.6 |
| 85° | 12.4 | 13.9 | 15.5 | 15.8 | 15.5 | 14.5 | 13.3 | 13.3 | 12.6 | 12.4 | 12.4 |
| 87.5° | 4.9 | 6.1 | 6.4 | 7.3 | 7.4 | 8.1 | 9.1 | 9.8 | 9.8 | 9.5 | 9.1 |
| 90° | 2.9 | 5.9 | 7.4 | 8.9 | 11.0 | 14.7 | 19.9 | 24.3 | 25.1 | 24.3 | 23.6 |
| 92.5° | 13.0 | 18.3 | 21.5 | 26.5 | 33.5 | 50.1 | 73.5 | 94.4 | 95.8 | 80.9 | 64.3 |
| 95° | 28.7 | 36.1 | 42.7 | 54.5 | 72.2 | 106.1 | 170.2 | 255.7 | 288.8 | 252.7 | 193.0 |
| 97.5° | 46.0 | 53.8 | 63.8 | 77.4 | 97.4 | 140.0 | 229.3 | 371.4 | 493.0 | 517.3 | 450.4 |
| 100° | 58.9 | 65.6 | 77.4 | 92.1 | 112.7 | 151.7 | 241.7 | 400.8 | 582.0 | 688.2 | 672.7 |
| 102.5° | 71.9 | 78.5 | 90.3 | 105.7 | 126.3 | 162.4 | 242.2 | 389.6 | 585.0 | 751.8 | 818.3 |
| 105° | 92.8 | 98.0 | 109.1 | 125.3 | 145.9 | 180.5 | 246.1 | 367.7 | 545.9 | 742.0 | 895.2 |
| 107.5° | 113.5 | 118.5 | 128.7 | 144.7 | 165.5 | 199.1 | 256.3 | 356.8 | 504.1 | 677.2 | 839.8 |
| 110° | 128.2 | 132.6 | 142.2 | 157.7 | 179.1 | 211.4 | 264.5 | 354.4 | 484.1 | 636.6 | 792.0 |



TEST NUMBER: P331260-830

CATALOG NUMBER: SA2XXDIP-C290D725U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 141.2 | 146.2 | 155.1 | 170.0 | 192.0 | 223.3 | 273.3 | 355.0 | 471.1 | 608.3 | 748.5 |
| 115° | 162.1 | 166.5 | 175.3 | 190.1 | 210.0 | 241.7 | 286.6 | 358.1 | 456.9 | 573.3 | 694.7 |
| 117.5° | 182.3 | 186.7 | 194.5 | 208.7 | 229.3 | 258.6 | 300.8 | 363.4 | 449.9 | 551.1 | 654.4 |
| 120° | 195.3 | 199.6 | 206.3 | 221.0 | 241.7 | 270.4 | 310.2 | 366.9 | 445.7 | 539.3 | 634.3 |
| 122.5° | 207.1 | 211.4 | 218.7 | 233.4 | 254.7 | 281.6 | 318.5 | 371.1 | 443.4 | 529.3 | 618.5 |
| 125° | 223.3 | 227.6 | 236.5 | 251.3 | 271.8 | 298.4 | 331.6 | 377.2 | 439.1 | 515.0 | 595.3 |
| 127.5° | 237.0 | 243.2 | 252.9 | 267.0 | 288.2 | 314.1 | 343.7 | 383.6 | 436.6 | 501.7 | 572.5 |
| 130° | 244.6 | 251.9 | 262.3 | 277.0 | 297.7 | 323.5 | 351.5 | 388.3 | 435.5 | 492.9 | 557.7 |
| 132.5° | 252.3 | 260.2 | 271.2 | 286.4 | 307.1 | 331.7 | 359.1 | 393.0 | 434.9 | 485.9 | 543.6 |
| 135° | 262.3 | 271.2 | 282.2 | 299.2 | 319.8 | 343.4 | 369.1 | 398.6 | 433.9 | 476.0 | 523.9 |
| 137.5° | 272.9 | 281.7 | 293.5 | 310.4 | 329.5 | 352.8 | 376.8 | 403.6 | 433.9 | 469.0 | 508.1 |
| 140° | 279.9 | 288.8 | 300.6 | 316.8 | 336.0 | 358.1 | 380.9 | 406.0 | 433.2 | 465.0 | 498.0 |
| 142.5° | 287.1 | 295.3 | 307.1 | 322.7 | 340.7 | 362.2 | 384.5 | 407.7 | 433.2 | 460.8 | 489.8 |
| 145° | 299.2 | 306.5 | 317.5 | 332.2 | 348.5 | 368.4 | 389.0 | 409.6 | 431.8 | 455.3 | 478.2 |
| 147.5° | 310.8 | 317.8 | 328.0 | 340.3 | 354.7 | 373.4 | 391.5 | 410.3 | 429.1 | 449.8 | 469.2 |
| 150° | 319.1 | 324.9 | 334.5 | 345.5 | 358.8 | 375.8 | 392.7 | 409.6 | 427.3 | 445.0 | 462.7 |
| 152.5° | 326.1 | 332.0 | 340.4 | 350.8 | 363.0 | 378.1 | 393.3 | 408.5 | 424.4 | 440.9 | 456.2 |
| 155° | 337.4 | 341.9 | 350.0 | 358.1 | 369.1 | 381.6 | 394.2 | 406.7 | 419.2 | 433.2 | 447.2 |
| 157.5° | 347.1 | 350.7 | 357.8 | 364.3 | 373.5 | 384.2 | 394.2 | 403.3 | 414.0 | 426.0 | 436.8 |
| 160° | 353.6 | 356.6 | 362.5 | 368.4 | 376.5 | 385.3 | 394.2 | 401.5 | 410.4 | 420.8 | 430.3 |
| 162.5° | 358.9 | 361.9 | 366.6 | 371.9 | 378.2 | 386.0 | 393.6 | 399.8 | 407.5 | 415.9 | 423.8 |
| 165° | 366.2 | 367.7 | 372.1 | 375.8 | 380.2 | 386.8 | 392.0 | 396.4 | 401.5 | 408.2 | 414.1 |
| 167.5° | 372.2 | 373.5 | 376.4 | 379.0 | 381.8 | 386.6 | 391.0 | 393.0 | 396.4 | 400.5 | 404.8 |
| 170° | 375.8 | 376.5 | 378.7 | 380.2 | 382.4 | 386.1 | 389.7 | 391.2 | 393.4 | 396.4 | 400.1 |
| 172.5° | 378.7 | 378.2 | 380.5 | 381.4 | 383.0 | 385.5 | 388.0 | 388.9 | 389.9 | 392.3 | 394.7 |
| 175° | 381.6 | 380.9 | 382.4 | 382.4 | 383.1 | 384.6 | 386.1 | 385.3 | 386.1 | 386.8 | 389.0 |
| 177.5° | 382.6 | 381.9 | 383.1 | 383.1 | 383.1 | 383.7 | 384.9 | 383.7 | 383.1 | 383.7 | 384.9 |
| 180° | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 |



TEST NUMBER: P331260-830
 CATALOG NUMBER: SA2XXDIP-C290D725U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|--------|--------|--------|--------|--------|--------|
| 0° | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 |
| 2.5° | 577.9 | 580.2 | 580.2 | 580.6 | 583.3 | 583.0 | 582.8 |
| 5° | 614.9 | 618.6 | 619.0 | 622.8 | 625.4 | 624.5 | 622.2 |
| 7.5° | 649.9 | 656.7 | 661.9 | 664.7 | 668.1 | 670.1 | 669.2 |
| 10° | 677.7 | 687.5 | 693.5 | 697.6 | 702.5 | 706.2 | 704.8 |
| 12.5° | 702.9 | 714.5 | 722.8 | 729.8 | 730.4 | 735.1 | 731.9 |
| 15° | 742.2 | 754.5 | 755.8 | 760.9 | 765.1 | 764.6 | 764.8 |
| 17.5° | 755.1 | 759.0 | 759.9 | 760.0 | 760.1 | 758.6 | 755.3 |
| 20° | 750.5 | 748.9 | 745.4 | 742.5 | 737.6 | 737.0 | 732.7 |
| 22.5° | 728.5 | 723.8 | 714.6 | 708.6 | 701.0 | 699.0 | 697.8 |
| 25° | 685.4 | 674.9 | 660.3 | 646.4 | 642.5 | 635.1 | 637.2 |
| 27.5° | 626.1 | 609.8 | 594.0 | 582.8 | 572.5 | 561.3 | 564.5 |
| 30° | 584.6 | 566.1 | 543.8 | 526.7 | 515.8 | 505.1 | 503.1 |
| 32.5° | 534.9 | 507.8 | 483.1 | 468.0 | 451.2 | 444.4 | 437.1 |
| 35° | 449.2 | 422.8 | 398.2 | 377.0 | 364.9 | 355.4 | 346.9 |
| 37.5° | 372.2 | 341.9 | 322.0 | 304.8 | 296.0 | 290.6 | 292.0 |
| 40° | 324.4 | 297.8 | 283.2 | 270.2 | 262.0 | 258.3 | 259.1 |
| 42.5° | 285.7 | 265.8 | 253.8 | 244.9 | 239.1 | 237.0 | 236.5 |
| 45° | 241.8 | 230.6 | 220.7 | 215.7 | 212.8 | 210.5 | 209.0 |
| 47.5° | 211.8 | 202.6 | 197.1 | 194.1 | 191.6 | 189.3 | 189.2 |
| 50° | 193.8 | 187.8 | 183.9 | 180.7 | 178.8 | 177.1 | 178.6 |
| 52.5° | 180.0 | 174.6 | 170.7 | 167.9 | 167.1 | 165.6 | 165.5 |
| 55° | 159.8 | 155.4 | 152.7 | 150.1 | 148.8 | 148.0 | 146.8 |
| 57.5° | 141.2 | 137.1 | 134.6 | 133.0 | 130.5 | 129.7 | 129.3 |
| 60° | 128.0 | 124.8 | 122.2 | 120.1 | 119.0 | 117.3 | 117.3 |
| 62.5° | 115.8 | 112.6 | 110.3 | 108.7 | 106.9 | 106.2 | 106.4 |
| 65° | 98.3 | 95.7 | 93.3 | 91.6 | 91.2 | 89.9 | 90.4 |
| 67.5° | 82.1 | 80.4 | 77.9 | 76.9 | 76.2 | 75.5 | 74.9 |
| 70° | 71.3 | 69.6 | 68.3 | 67.0 | 66.4 | 66.4 | 66.4 |
| 72.5° | 62.2 | 60.1 | 59.4 | 57.8 | 58.2 | 57.5 | 56.7 |
| 75° | 48.2 | 46.8 | 46.3 | 45.6 | 44.6 | 44.6 | 44.6 |
| 77.5° | 35.4 | 35.1 | 34.3 | 33.6 | 33.4 | 33.2 | 33.3 |
| 80° | 27.4 | 27.1 | 26.8 | 26.8 | 26.3 | 26.1 | 25.7 |
| 82.5° | 21.1 | 20.5 | 20.3 | 20.1 | 20.0 | 20.0 | 19.9 |
| 85° | 12.0 | 11.6 | 11.6 | 11.8 | 11.3 | 11.3 | 11.6 |
| 87.5° | 9.0 | 9.3 | 9.3 | 9.3 | 9.5 | 9.3 | 9.3 |
| 90° | 22.1 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 |
| 92.5° | 55.1 | 48.9 | 44.4 | 43.7 | 41.4 | 42.0 | 40.8 |
| 95° | 148.1 | 117.2 | 100.9 | 91.3 | 85.5 | 83.2 | 84.0 |
| 97.5° | 368.5 | 288.8 | 235.6 | 200.4 | 182.3 | 171.5 | 165.3 |
| 100° | 581.4 | 480.4 | 391.2 | 330.1 | 298.4 | 277.0 | 263.7 |
| 102.5° | 797.7 | 723.8 | 629.3 | 562.9 | 508.8 | 482.1 | 464.2 |
| 105° | 978.5 | 988.1 | 963.7 | 918.0 | 872.3 | 840.7 | 830.4 |
| 107.5° | 965.2 | 1041.8 | 1077.5 | 1083.3 | 1080.7 | 1074.4 | 1060.6 |
| 110° | 924.0 | 1018.2 | 1078.6 | 1110.3 | 1124.4 | 1131.0 | 1130.2 |



TEST NUMBER: P331260-830

CATALOG NUMBER: SA2XXDIP-C290D725U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|--------|--------|--------|--------|--------|
| 112.5° | 875.0 | 975.8 | 1045.1 | 1089.1 | 1112.6 | 1125.1 | 1129.1 |
| 115° | 808.2 | 904.7 | 980.6 | 1032.9 | 1066.9 | 1086.0 | 1092.7 |
| 117.5° | 754.0 | 841.6 | 912.8 | 966.1 | 1001.9 | 1022.1 | 1027.7 |
| 120° | 725.8 | 803.8 | 870.9 | 922.5 | 957.1 | 978.5 | 985.8 |
| 122.5° | 702.2 | 776.1 | 836.7 | 883.0 | 917.0 | 936.0 | 942.2 |
| 125° | 671.2 | 736.0 | 791.3 | 834.1 | 862.0 | 880.4 | 886.4 |
| 127.5° | 641.1 | 702.3 | 753.3 | 790.6 | 816.8 | 832.7 | 837.4 |
| 130° | 621.1 | 679.3 | 727.9 | 764.0 | 789.1 | 803.8 | 809.7 |
| 132.5° | 602.3 | 655.7 | 701.4 | 737.0 | 762.0 | 775.5 | 780.8 |
| 135° | 572.5 | 621.1 | 662.3 | 694.1 | 718.4 | 731.6 | 734.6 |
| 137.5° | 548.7 | 587.4 | 623.3 | 652.2 | 673.2 | 684.8 | 689.2 |
| 140° | 533.5 | 567.3 | 599.7 | 623.3 | 642.4 | 653.6 | 658.0 |
| 142.5° | 519.9 | 549.0 | 576.2 | 598.6 | 616.0 | 625.8 | 626.7 |
| 145° | 502.5 | 525.4 | 546.7 | 564.4 | 576.9 | 584.3 | 586.4 |
| 147.5° | 488.3 | 506.1 | 521.8 | 536.4 | 546.4 | 551.4 | 552.7 |
| 150° | 478.9 | 494.4 | 507.7 | 518.7 | 527.5 | 532.0 | 532.7 |
| 152.5° | 471.3 | 484.4 | 495.9 | 504.5 | 512.2 | 515.5 | 515.6 |
| 155° | 459.0 | 470.0 | 478.2 | 486.3 | 491.4 | 494.4 | 492.9 |
| 157.5° | 446.7 | 455.9 | 462.2 | 468.0 | 472.3 | 473.6 | 473.6 |
| 160° | 438.4 | 446.5 | 451.7 | 456.9 | 460.5 | 461.2 | 461.2 |
| 162.5° | 430.7 | 437.6 | 441.7 | 446.8 | 449.3 | 450.1 | 449.4 |
| 165° | 419.2 | 424.4 | 427.3 | 430.3 | 433.2 | 433.2 | 432.5 |
| 167.5° | 408.8 | 412.3 | 415.0 | 416.3 | 417.9 | 417.7 | 416.9 |
| 170° | 402.3 | 405.2 | 406.7 | 407.5 | 409.6 | 408.9 | 407.5 |
| 172.5° | 396.4 | 398.8 | 399.6 | 400.4 | 401.4 | 400.7 | 399.8 |
| 175° | 389.7 | 390.5 | 391.2 | 391.2 | 392.0 | 391.2 | 389.7 |
| 177.5° | 384.9 | 385.5 | 385.5 | 385.5 | 385.5 | 384.9 | 383.7 |
| 180° | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 | 383.1 |

(END OF REPORT)