

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: P331276-940

Luminaire Tested: **S122DIP-S290D1080U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331276-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIP-S290D1080U940-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 290 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1080 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5005.2 lumens
Efficiency: N/A
Efficacy: 118.6 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

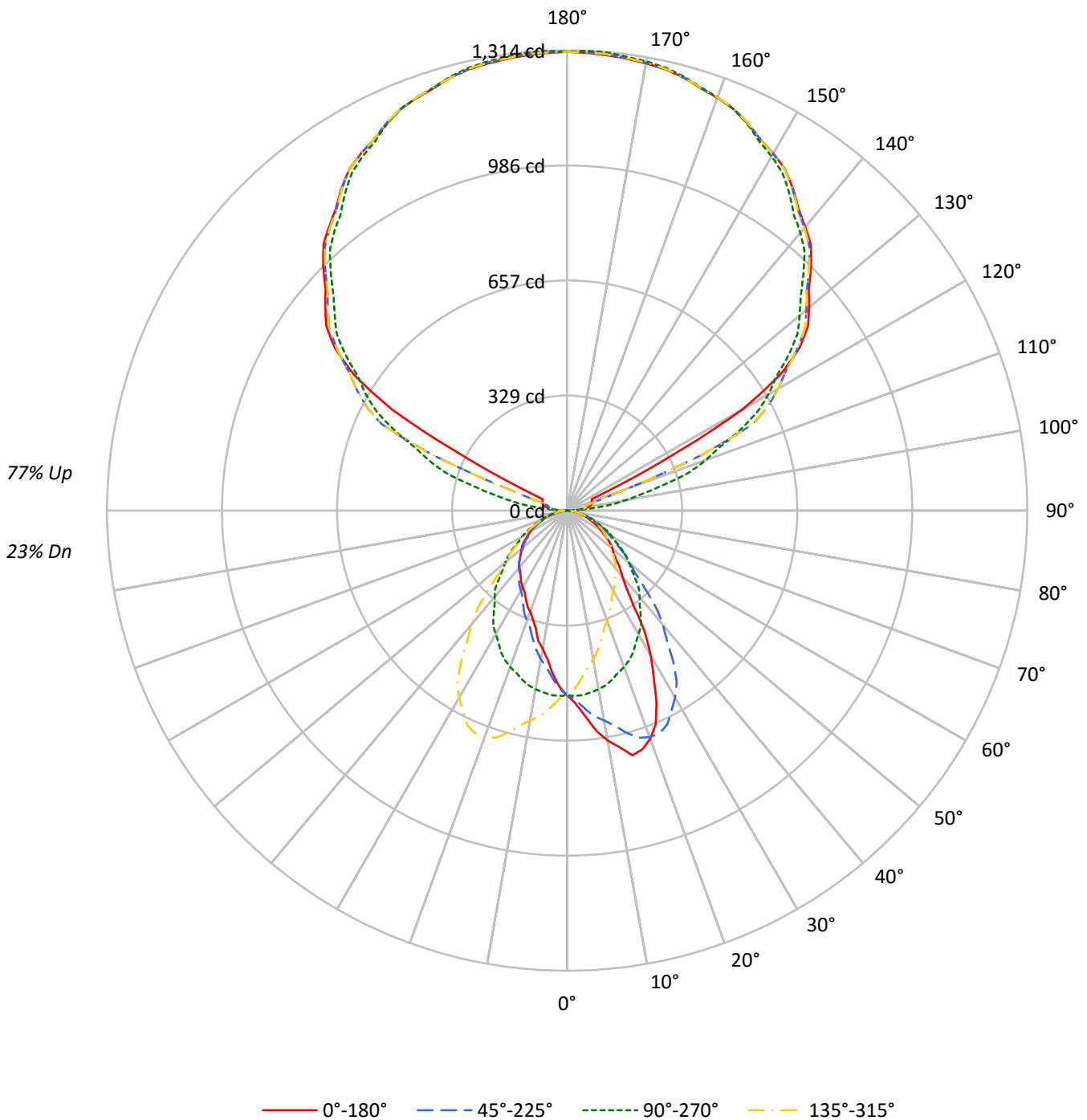
Input Watts (W): 42.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331276-940

CATALOG NUMBER: S122DIP-S290D1080U940-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P331276-940

CATALOG NUMBER: S122DIP-S290D1080U940-4F0-1E-UDD-A

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 101 | 101 | 101 | 101 | 90 | 90 | 90 | 90 | 68 | 68 | 68 | 49 | 49 | 49 | 32 | 32 | 32 | 23 |
| 1 | 92 | 88 | 84 | 81 | 82 | 78 | 75 | 73 | 60 | 58 | 56 | 44 | 42 | 41 | 28 | 28 | 27 | 20 |
| 2 | 84 | 77 | 71 | 66 | 74 | 69 | 64 | 60 | 53 | 50 | 47 | 38 | 36 | 35 | 25 | 24 | 23 | 17 |
| 3 | 77 | 68 | 61 | 55 | 68 | 61 | 55 | 50 | 47 | 43 | 40 | 34 | 32 | 30 | 22 | 21 | 20 | 15 |
| 4 | 70 | 60 | 53 | 47 | 62 | 54 | 47 | 43 | 42 | 37 | 34 | 31 | 28 | 25 | 20 | 19 | 17 | 13 |
| 5 | 64 | 53 | 46 | 40 | 57 | 48 | 41 | 36 | 37 | 33 | 29 | 27 | 24 | 22 | 18 | 17 | 15 | 11 |
| 6 | 59 | 48 | 40 | 35 | 52 | 43 | 36 | 32 | 34 | 29 | 25 | 25 | 22 | 19 | 17 | 15 | 13 | 10 |
| 7 | 55 | 43 | 36 | 30 | 48 | 39 | 32 | 28 | 30 | 26 | 22 | 22 | 19 | 17 | 15 | 13 | 12 | 9 |
| 8 | 51 | 39 | 32 | 27 | 45 | 35 | 29 | 24 | 28 | 23 | 20 | 21 | 17 | 15 | 14 | 12 | 11 | 8 |
| 9 | 47 | 35 | 28 | 24 | 42 | 32 | 26 | 22 | 25 | 21 | 18 | 19 | 16 | 14 | 13 | 11 | 10 | 7 |
| 10 | 44 | 32 | 26 | 21 | 39 | 29 | 23 | 19 | 23 | 19 | 16 | 17 | 14 | 12 | 12 | 10 | 9 | 7 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|------|------|------|
| 0° | 8510 | 8510 | 8510 | 8510 |
| 5° | 9540 | 8566 | 7590 | 8566 |
| 10° | 10932 | 8496 | 6568 | 8496 |
| 15° | 12094 | 8339 | 5804 | 8339 |
| 20° | 11911 | 8172 | 5290 | 8172 |
| 25° | 10739 | 7949 | 4965 | 7949 |
| 30° | 8874 | 7594 | 4728 | 7594 |
| 35° | 6467 | 7222 | 4559 | 7222 |
| 40° | 5166 | 6785 | 4466 | 6785 |
| 45° | 4514 | 6277 | 4338 | 6277 |
| 50° | 4245 | 5785 | 4253 | 5785 |
| 55° | 3910 | 5286 | 4138 | 5286 |
| 60° | 3584 | 4753 | 3965 | 4753 |
| 65° | 3266 | 4279 | 3790 | 4279 |
| 70° | 2965 | 3814 | 3541 | 3814 |
| 75° | 2633 | 3300 | 3132 | 3300 |
| 80° | 2259 | 2724 | 2520 | 2724 |
| 85° | 2038 | 2038 | 1501 | 2038 |



TEST NUMBER: P331276-940

CATALOG NUMBER: S122DIP-S290D1080U940-4F0-1E-UDD-A

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 50.2 | 1.0 |
| 10°-20° | 145.9 | 2.9 |
| 20°-30° | 211.8 | 4.2 |
| 30°-40° | 223.5 | 4.5 |
| 40°-50° | 197.9 | 4.0 |
| 50°-60° | 157.9 | 3.2 |
| 60°-70° | 107.3 | 2.1 |
| 70°-80° | 55.0 | 1.1 |
| 80°-90° | 16.5 | 0.3 |
| 90°-100° | 43.7 | 0.9 |
| 100°-110° | 160.2 | 3.2 |
| 110°-120° | 428.4 | 8.6 |
| 120°-130° | 707.1 | 14.1 |
| 130°-140° | 752.0 | 15.0 |
| 140°-150° | 699.0 | 14.0 |
| 150°-160° | 562.0 | 11.2 |
| 160°-170° | 362.1 | 7.2 |
| 170°-180° | 124.6 | 2.5 |
| 0°-30° | 407.9 | 8.1 |
| 0°-40° | 631.4 | 12.6 |
| 0°-60° | 987.2 | 19.7 |
| 0°-90° | 1166.1 | 23.3 |
| 90°-120° | 632.3 | 12.6 |
| 90°-150° | 2790.4 | 55.8 |
| 90°-180° | 3839.0 | 76.7 |
| 0°-180° | 5005.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 527 | 527 | 527 | 527 | 527 | |
| 5° | 589 | 528 | 468 | 528 | 589 | 59 |
| 15° | 724 | 499 | 347 | 499 | 724 | 200 |
| 25° | 603 | 446 | 279 | 446 | 603 | 272 |
| 35° | 328 | 366 | 231 | 366 | 328 | 213 |
| 45° | 198 | 275 | 190 | 275 | 198 | 155 |
| 55° | 139 | 188 | 147 | 188 | 139 | 125 |
| 65° | 86 | 112 | 99 | 112 | 86 | 85 |
| 75° | 42 | 53 | 50 | 53 | 42 | 45 |
| 85° | 11 | 11 | 8 | 11 | 11 | 13 |
| 90° | 26 | 1 | 26 | 1 | 26 | 12 |
| 95° | 41 | 62 | 41 | 62 | 41 | 38 |
| 105° | 72 | 288 | 72 | 288 | 72 | 75 |
| 115° | 78 | 545 | 78 | 545 | 78 | 195 |
| 125° | 810 | 771 | 810 | 771 | 810 | 701 |
| 135° | 985 | 954 | 985 | 954 | 985 | 759 |
| 145° | 1123 | 1106 | 1123 | 1106 | 1123 | 702 |
| 155° | 1219 | 1218 | 1219 | 1218 | 1219 | 563 |
| 165° | 1281 | 1284 | 1281 | 1284 | 1281 | 362 |
| 175° | 1305 | 1313 | 1305 | 1313 | 1305 | 124 |
| 180° | 1310 | 1310 | 1310 | 1310 | 1310 | |



TEST NUMBER: P331276-940

CATALOG NUMBER: S122DIP-S290D1080U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 |
| 2.5° | 551.3 | 551.5 | 551.9 | 549.3 | 548.9 | 548.9 | 546.7 | 544.7 | 542.4 | 539.4 | 539.8 |
| 5° | 588.6 | 590.8 | 591.7 | 589.2 | 585.6 | 585.2 | 581.8 | 576.1 | 570.8 | 566.6 | 563.6 |
| 7.5° | 633.1 | 634.0 | 632.0 | 628.8 | 626.2 | 621.3 | 614.8 | 608.6 | 599.8 | 591.7 | 585.8 |
| 10° | 666.8 | 668.1 | 664.6 | 660.0 | 656.1 | 650.4 | 641.1 | 631.6 | 620.1 | 608.9 | 600.0 |
| 12.5° | 692.4 | 695.4 | 691.0 | 690.5 | 683.9 | 676.0 | 664.9 | 660.1 | 643.9 | 628.4 | 618.8 |
| 15° | 723.5 | 723.4 | 723.8 | 719.9 | 715.1 | 713.8 | 702.1 | 689.3 | 666.5 | 657.3 | 641.5 |
| 17.5° | 714.5 | 717.6 | 719.1 | 719.0 | 718.9 | 718.1 | 714.3 | 706.3 | 694.8 | 680.0 | 661.8 |
| 20° | 693.2 | 697.2 | 697.9 | 702.5 | 705.2 | 708.6 | 710.0 | 707.8 | 700.7 | 688.3 | 672.5 |
| 22.5° | 660.1 | 661.3 | 663.2 | 670.4 | 676.1 | 684.7 | 689.2 | 696.8 | 694.0 | 688.0 | 674.8 |
| 25° | 602.8 | 600.8 | 607.9 | 611.5 | 624.7 | 638.5 | 648.5 | 659.3 | 669.1 | 674.9 | 671.1 |
| 27.5° | 534.0 | 531.0 | 541.6 | 551.3 | 562.0 | 576.9 | 592.4 | 610.6 | 625.8 | 644.9 | 651.4 |
| 30° | 476.0 | 477.9 | 487.9 | 498.3 | 514.5 | 535.6 | 553.0 | 573.0 | 594.8 | 616.0 | 630.8 |
| 32.5° | 413.5 | 420.4 | 426.9 | 442.7 | 457.0 | 480.5 | 506.0 | 531.1 | 558.1 | 582.3 | 605.2 |
| 35° | 328.1 | 336.3 | 345.2 | 356.7 | 376.7 | 400.0 | 425.0 | 458.8 | 495.7 | 528.7 | 555.8 |
| 37.5° | 276.3 | 274.9 | 280.0 | 288.4 | 304.6 | 323.4 | 352.1 | 385.5 | 428.9 | 467.7 | 506.0 |
| 40° | 245.1 | 244.3 | 247.9 | 255.7 | 268.0 | 281.8 | 306.9 | 336.3 | 376.6 | 424.0 | 469.6 |
| 42.5° | 223.7 | 224.2 | 226.2 | 231.7 | 240.1 | 251.5 | 270.3 | 295.2 | 332.2 | 376.8 | 425.8 |
| 45° | 197.7 | 199.1 | 201.3 | 204.0 | 208.8 | 218.2 | 228.7 | 246.6 | 275.7 | 313.0 | 361.1 |
| 47.5° | 179.0 | 179.1 | 181.3 | 183.6 | 186.5 | 191.7 | 200.4 | 211.5 | 232.1 | 262.4 | 303.9 |
| 50° | 169.0 | 167.6 | 169.2 | 170.9 | 174.0 | 177.6 | 183.3 | 193.9 | 207.6 | 232.1 | 266.8 |
| 52.5° | 156.6 | 156.7 | 158.1 | 158.8 | 161.5 | 165.1 | 170.3 | 177.6 | 190.1 | 209.3 | 237.7 |
| 55° | 138.9 | 140.0 | 140.8 | 142.0 | 144.5 | 147.0 | 151.1 | 156.0 | 165.7 | 180.0 | 201.2 |
| 57.5° | 122.3 | 122.7 | 123.5 | 125.8 | 127.3 | 129.7 | 133.6 | 138.0 | 144.4 | 155.0 | 170.9 |
| 60° | 111.0 | 111.0 | 112.6 | 113.6 | 115.7 | 118.1 | 121.1 | 125.4 | 131.1 | 139.7 | 152.6 |
| 62.5° | 100.7 | 100.5 | 101.1 | 102.8 | 104.3 | 106.6 | 109.6 | 113.2 | 118.6 | 126.4 | 136.8 |
| 65° | 85.5 | 85.1 | 86.3 | 86.7 | 88.3 | 90.5 | 93.0 | 96.8 | 101.1 | 106.7 | 116.1 |
| 67.5° | 70.9 | 71.4 | 72.1 | 72.8 | 73.7 | 76.1 | 77.7 | 80.3 | 84.0 | 88.7 | 95.0 |
| 70° | 62.8 | 62.8 | 62.8 | 63.4 | 64.6 | 65.8 | 67.4 | 69.6 | 73.1 | 77.1 | 82.8 |
| 72.5° | 53.7 | 54.4 | 55.0 | 54.7 | 56.2 | 56.9 | 58.9 | 60.1 | 63.4 | 66.0 | 71.0 |
| 75° | 42.2 | 42.2 | 42.2 | 43.2 | 43.8 | 44.3 | 45.6 | 46.8 | 48.4 | 51.6 | 54.3 |
| 77.5° | 31.5 | 31.4 | 31.6 | 31.8 | 32.5 | 33.2 | 33.5 | 34.6 | 36.1 | 37.6 | 39.9 |
| 80° | 24.3 | 24.7 | 24.9 | 25.3 | 25.3 | 25.7 | 25.9 | 27.4 | 28.4 | 29.3 | 30.8 |
| 82.5° | 18.8 | 18.9 | 18.9 | 19.0 | 19.2 | 19.4 | 20.0 | 20.4 | 20.8 | 21.6 | 22.6 |
| 85° | 11.0 | 10.7 | 10.7 | 11.1 | 11.0 | 11.0 | 11.3 | 11.8 | 11.8 | 11.9 | 12.6 |
| 87.5° | 9.4 | 9.3 | 9.4 | 9.1 | 9.0 | 9.0 | 8.8 | 8.4 | 8.4 | 8.3 | 8.1 |
| 90° | 25.6 | 25.1 | 24.8 | 24.3 | 23.9 | 23.2 | 22.1 | 21.0 | 20.0 | 19.0 | 17.3 |
| 92.5° | 25.6 | 25.3 | 25.1 | 24.9 | 24.6 | 24.2 | 23.6 | 23.1 | 22.6 | 22.0 | 21.1 |
| 95° | 40.8 | 40.9 | 41.2 | 41.4 | 41.6 | 41.2 | 40.1 | 39.1 | 38.0 | 37.0 | 35.5 |
| 97.5° | 54.4 | 54.1 | 53.9 | 53.7 | 53.4 | 52.9 | 52.0 | 51.2 | 50.3 | 49.5 | 46.1 |
| 100° | 63.5 | 63.1 | 62.7 | 62.2 | 61.8 | 60.8 | 59.1 | 57.4 | 55.7 | 54.0 | 50.5 |
| 102.5° | 68.0 | 67.5 | 66.9 | 66.3 | 65.7 | 64.3 | 62.2 | 59.9 | 57.8 | 55.6 | 85.5 |
| 105° | 72.1 | 71.2 | 70.4 | 69.6 | 68.7 | 67.1 | 64.7 | 62.4 | 60.1 | 57.8 | 115.3 |
| 107.5° | 74.1 | 73.3 | 72.4 | 71.6 | 70.8 | 71.5 | 73.8 | 76.2 | 78.6 | 81.0 | 149.9 |
| 110° | 74.9 | 74.0 | 73.2 | 72.3 | 71.5 | 81.6 | 102.7 | 123.8 | 144.8 | 165.9 | 226.8 |



TEST NUMBER: P331276-940

CATALOG NUMBER: S122DIP-S290D1080U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 75.6 | 75.0 | 74.3 | 73.7 | 72.9 | 111.0 | 187.9 | 264.7 | 341.6 | 418.4 | 433.5 |
| 115° | 77.8 | 92.9 | 108.1 | 123.2 | 138.4 | 194.7 | 292.3 | 389.8 | 487.3 | 584.9 | 579.6 |
| 117.5° | 317.4 | 367.2 | 417.1 | 466.9 | 516.7 | 553.5 | 577.0 | 600.7 | 624.2 | 647.8 | 644.2 |
| 120° | 578.3 | 606.6 | 635.1 | 663.5 | 692.0 | 705.0 | 702.4 | 699.9 | 697.3 | 694.8 | 691.1 |
| 122.5° | 721.6 | 727.1 | 732.6 | 738.2 | 743.6 | 745.6 | 744.1 | 742.6 | 741.1 | 739.6 | 735.5 |
| 125° | 810.5 | 809.9 | 809.2 | 808.6 | 808.0 | 806.9 | 805.4 | 804.0 | 802.5 | 801.0 | 797.0 |
| 127.5° | 866.6 | 866.5 | 866.4 | 866.2 | 866.1 | 865.0 | 862.8 | 860.7 | 858.5 | 856.4 | 853.4 |
| 130° | 901.5 | 901.7 | 901.9 | 902.1 | 902.3 | 901.3 | 898.9 | 896.6 | 894.3 | 892.0 | 889.7 |
| 132.5° | 935.6 | 935.9 | 936.0 | 936.2 | 936.5 | 935.6 | 933.6 | 931.6 | 929.6 | 927.6 | 925.3 |
| 135° | 984.9 | 985.3 | 985.7 | 986.1 | 986.6 | 985.7 | 983.6 | 981.5 | 979.5 | 977.3 | 975.4 |
| 137.5° | 1029.8 | 1030.6 | 1031.3 | 1032.0 | 1032.7 | 1032.0 | 1029.9 | 1027.9 | 1025.8 | 1023.8 | 1021.6 |
| 140° | 1057.9 | 1058.9 | 1060.0 | 1061.0 | 1062.1 | 1061.7 | 1059.8 | 1057.9 | 1056.0 | 1054.1 | 1051.8 |
| 142.5° | 1085.2 | 1086.3 | 1087.3 | 1088.3 | 1089.4 | 1089.0 | 1087.4 | 1085.6 | 1083.9 | 1082.2 | 1079.5 |
| 145° | 1123.3 | 1124.4 | 1125.4 | 1126.5 | 1127.5 | 1127.3 | 1125.8 | 1124.4 | 1122.8 | 1121.4 | 1117.8 |
| 147.5° | 1156.8 | 1157.7 | 1158.6 | 1159.5 | 1160.4 | 1160.3 | 1159.2 | 1158.1 | 1157.0 | 1155.9 | 1152.4 |
| 150° | 1177.3 | 1178.4 | 1179.5 | 1180.4 | 1181.5 | 1181.4 | 1180.2 | 1178.9 | 1177.7 | 1176.3 | 1173.0 |
| 152.5° | 1194.8 | 1196.1 | 1197.6 | 1198.9 | 1200.3 | 1200.4 | 1199.2 | 1197.8 | 1196.6 | 1195.3 | 1192.1 |
| 155° | 1219.1 | 1220.8 | 1222.4 | 1224.1 | 1225.7 | 1226.0 | 1224.8 | 1223.4 | 1222.2 | 1220.9 | 1218.4 |
| 157.5° | 1241.2 | 1242.9 | 1244.5 | 1246.2 | 1247.8 | 1247.9 | 1246.4 | 1245.0 | 1243.6 | 1242.2 | 1240.4 |
| 160° | 1254.1 | 1255.6 | 1257.0 | 1258.6 | 1260.0 | 1260.1 | 1258.8 | 1257.6 | 1256.3 | 1255.1 | 1253.8 |
| 162.5° | 1264.7 | 1266.5 | 1268.4 | 1270.2 | 1271.9 | 1272.2 | 1270.7 | 1269.3 | 1267.8 | 1266.4 | 1265.3 |
| 165° | 1280.7 | 1282.1 | 1283.6 | 1285.0 | 1286.6 | 1286.6 | 1285.0 | 1283.6 | 1282.1 | 1280.7 | 1280.1 |
| 167.5° | 1290.7 | 1292.6 | 1294.5 | 1296.4 | 1298.2 | 1298.5 | 1297.0 | 1295.6 | 1294.1 | 1292.6 | 1292.0 |
| 170° | 1296.7 | 1298.7 | 1300.6 | 1302.4 | 1304.3 | 1304.6 | 1303.1 | 1301.6 | 1300.1 | 1298.7 | 1298.2 |
| 172.5° | 1301.3 | 1303.2 | 1305.1 | 1307.0 | 1308.9 | 1309.1 | 1307.6 | 1306.2 | 1304.7 | 1303.2 | 1302.8 |
| 175° | 1305.3 | 1307.4 | 1309.5 | 1311.6 | 1313.8 | 1314.0 | 1312.6 | 1311.1 | 1309.7 | 1308.1 | 1307.7 |
| 177.5° | 1307.8 | 1309.3 | 1310.8 | 1312.3 | 1313.8 | 1314.0 | 1312.8 | 1311.6 | 1310.5 | 1309.3 | 1309.1 |
| 180° | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 |



TEST NUMBER: P331276-940

CATALOG NUMBER: S122DIP-S290D1080U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 |
| 2.5° | 540.8 | 539.6 | 538.8 | 535.8 | 533.2 | 530.7 | 529.9 | 530.1 | 526.6 | 523.2 | 521.7 |
| 5° | 562.0 | 557.9 | 554.0 | 548.6 | 542.1 | 534.9 | 531.4 | 528.5 | 521.4 | 513.7 | 509.3 |
| 7.5° | 580.8 | 575.0 | 567.6 | 557.3 | 547.9 | 536.7 | 529.6 | 523.3 | 513.0 | 502.1 | 495.4 |
| 10° | 592.3 | 584.4 | 574.9 | 562.3 | 550.8 | 537.2 | 527.7 | 518.2 | 506.0 | 493.0 | 484.9 |
| 12.5° | 602.2 | 591.6 | 582.2 | 566.1 | 552.4 | 535.4 | 524.1 | 510.7 | 497.9 | 482.5 | 474.6 |
| 15° | 625.7 | 606.1 | 588.3 | 570.0 | 553.2 | 529.5 | 516.9 | 498.9 | 482.1 | 463.1 | 454.0 |
| 17.5° | 643.9 | 621.8 | 593.8 | 570.6 | 551.0 | 524.7 | 506.3 | 484.7 | 464.8 | 443.1 | 430.7 |
| 20° | 654.2 | 628.9 | 598.8 | 571.2 | 547.8 | 517.7 | 497.7 | 475.6 | 452.4 | 427.8 | 414.5 |
| 22.5° | 660.4 | 633.8 | 604.0 | 568.8 | 541.3 | 512.1 | 486.9 | 462.6 | 439.1 | 412.6 | 398.6 |
| 25° | 662.4 | 638.1 | 606.5 | 566.8 | 533.2 | 500.2 | 469.8 | 446.2 | 417.7 | 393.0 | 372.6 |
| 27.5° | 652.7 | 635.3 | 604.9 | 562.9 | 523.8 | 485.2 | 451.3 | 424.7 | 394.6 | 367.7 | 347.1 |
| 30° | 640.9 | 630.8 | 601.2 | 559.1 | 516.3 | 474.8 | 437.6 | 407.3 | 377.4 | 350.3 | 329.1 |
| 32.5° | 622.6 | 620.5 | 594.4 | 553.6 | 508.4 | 461.7 | 423.1 | 392.6 | 359.4 | 332.7 | 312.6 |
| 35° | 586.7 | 596.4 | 580.0 | 541.3 | 493.5 | 443.0 | 401.3 | 366.4 | 332.0 | 306.5 | 287.7 |
| 37.5° | 538.4 | 562.6 | 558.3 | 523.3 | 473.2 | 422.7 | 376.6 | 340.2 | 307.4 | 281.6 | 263.1 |
| 40° | 505.2 | 536.0 | 540.5 | 509.4 | 459.1 | 407.0 | 358.1 | 321.9 | 289.9 | 266.4 | 247.7 |
| 42.5° | 469.6 | 505.5 | 517.7 | 492.9 | 443.4 | 390.4 | 341.6 | 304.1 | 272.3 | 249.5 | 233.0 |
| 45° | 409.8 | 457.4 | 479.5 | 465.3 | 417.5 | 363.2 | 313.0 | 274.9 | 246.1 | 224.6 | 211.9 |
| 47.5° | 353.9 | 405.9 | 435.6 | 430.6 | 388.6 | 334.8 | 285.2 | 248.6 | 220.6 | 203.5 | 192.1 |
| 50° | 314.4 | 367.8 | 403.7 | 405.4 | 367.8 | 314.6 | 264.7 | 230.3 | 204.6 | 188.6 | 179.2 |
| 52.5° | 280.0 | 331.1 | 370.1 | 378.8 | 344.6 | 293.6 | 246.5 | 212.1 | 189.5 | 174.8 | 166.5 |
| 55° | 235.1 | 278.3 | 321.6 | 337.5 | 310.1 | 261.5 | 217.9 | 187.8 | 166.5 | 156.4 | 149.1 |
| 57.5° | 195.6 | 231.5 | 271.5 | 289.0 | 272.2 | 230.5 | 189.7 | 163.5 | 146.2 | 137.3 | 131.7 |
| 60° | 174.6 | 203.0 | 238.6 | 259.5 | 244.9 | 207.9 | 172.2 | 147.2 | 133.0 | 125.2 | 119.9 |
| 62.5° | 155.2 | 180.3 | 210.4 | 229.5 | 221.6 | 186.6 | 154.7 | 132.7 | 120.5 | 113.1 | 109.2 |
| 65° | 128.0 | 147.8 | 171.2 | 188.8 | 183.5 | 157.0 | 130.8 | 112.0 | 102.3 | 96.4 | 93.4 |
| 67.5° | 105.4 | 119.8 | 135.9 | 151.3 | 147.1 | 128.3 | 107.4 | 92.6 | 85.4 | 80.3 | 78.5 |
| 70° | 91.1 | 102.1 | 116.5 | 128.9 | 125.4 | 110.0 | 93.4 | 80.8 | 74.5 | 70.3 | 68.5 |
| 72.5° | 77.6 | 86.5 | 97.6 | 107.6 | 105.3 | 92.5 | 78.6 | 69.2 | 64.3 | 60.4 | 58.9 |
| 75° | 58.6 | 65.5 | 72.1 | 78.8 | 78.2 | 68.3 | 60.2 | 52.9 | 49.0 | 46.0 | 45.4 |
| 77.5° | 43.2 | 47.1 | 51.6 | 55.6 | 54.5 | 48.8 | 42.4 | 38.3 | 35.5 | 33.4 | 33.1 |
| 80° | 33.0 | 35.2 | 38.5 | 41.3 | 39.9 | 37.5 | 32.4 | 29.3 | 27.4 | 25.3 | 24.5 |
| 82.5° | 24.0 | 26.1 | 28.1 | 29.7 | 28.5 | 26.3 | 23.2 | 21.1 | 19.9 | 18.5 | 18.2 |
| 85° | 12.6 | 13.7 | 14.6 | 15.0 | 14.6 | 13.2 | 11.8 | 11.0 | 9.9 | 9.3 | 9.1 |
| 87.5° | 7.9 | 7.7 | 7.3 | 7.2 | 6.2 | 5.8 | 4.7 | 3.7 | 4.0 | 4.4 | 4.5 |
| 90° | 15.6 | 13.9 | 12.2 | 10.3 | 7.9 | 5.6 | 3.3 | 1.0 | 3.3 | 5.6 | 7.9 |
| 92.5° | 20.3 | 19.4 | 18.6 | 18.3 | 18.5 | 18.7 | 18.9 | 19.2 | 18.9 | 18.7 | 18.5 |
| 95° | 34.1 | 32.5 | 31.0 | 33.8 | 40.8 | 47.7 | 54.7 | 61.6 | 54.7 | 47.7 | 40.8 |
| 97.5° | 42.6 | 39.2 | 35.8 | 44.0 | 63.5 | 83.1 | 102.7 | 122.3 | 102.7 | 83.1 | 63.5 |
| 100° | 46.9 | 43.2 | 39.7 | 52.3 | 81.2 | 110.0 | 138.9 | 167.8 | 138.9 | 110.0 | 81.2 |
| 102.5° | 115.5 | 145.4 | 175.4 | 193.4 | 199.5 | 205.6 | 211.7 | 217.8 | 211.7 | 205.6 | 199.5 |
| 105° | 172.8 | 230.3 | 287.8 | 313.4 | 307.1 | 300.8 | 294.5 | 288.2 | 294.5 | 300.8 | 307.1 |
| 107.5° | 218.9 | 287.8 | 356.9 | 388.8 | 383.6 | 378.5 | 373.4 | 368.4 | 373.4 | 378.5 | 383.6 |
| 110° | 287.7 | 348.5 | 409.4 | 437.7 | 433.2 | 428.8 | 424.4 | 419.9 | 424.4 | 428.8 | 433.2 |



TEST NUMBER: P331276-940

CATALOG NUMBER: S122DIP-S290D1080U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 448.5 | 463.5 | 478.6 | 484.1 | 480.2 | 476.3 | 472.4 | 468.5 | 472.4 | 476.3 | 480.2 |
| 115° | 574.4 | 569.1 | 563.8 | 559.4 | 555.8 | 552.2 | 548.7 | 545.1 | 548.7 | 552.2 | 555.8 |
| 117.5° | 640.6 | 636.9 | 633.3 | 629.5 | 625.5 | 621.5 | 617.5 | 613.5 | 617.5 | 621.5 | 625.5 |
| 120° | 687.2 | 683.5 | 679.7 | 676.2 | 673.1 | 669.9 | 666.7 | 663.5 | 666.7 | 669.9 | 673.1 |
| 122.5° | 731.3 | 727.2 | 723.1 | 719.3 | 716.0 | 712.7 | 709.4 | 706.1 | 709.4 | 712.7 | 716.0 |
| 125° | 793.0 | 789.0 | 785.0 | 781.6 | 778.9 | 776.1 | 773.4 | 770.7 | 773.4 | 776.1 | 778.9 |
| 127.5° | 850.3 | 847.4 | 844.4 | 841.4 | 838.4 | 835.4 | 832.3 | 829.3 | 832.3 | 835.4 | 838.4 |
| 130° | 887.3 | 885.0 | 882.7 | 879.9 | 876.6 | 873.2 | 869.8 | 866.4 | 869.8 | 873.2 | 876.6 |
| 132.5° | 923.0 | 920.7 | 918.4 | 915.8 | 912.9 | 910.1 | 907.2 | 904.3 | 907.2 | 910.1 | 912.9 |
| 135° | 973.5 | 971.6 | 969.7 | 967.1 | 963.8 | 960.4 | 957.0 | 953.6 | 957.0 | 960.4 | 963.8 |
| 137.5° | 1019.5 | 1017.4 | 1015.1 | 1012.9 | 1010.6 | 1008.2 | 1005.8 | 1003.4 | 1005.8 | 1008.2 | 1010.6 |
| 140° | 1049.5 | 1047.1 | 1044.8 | 1042.9 | 1041.2 | 1039.5 | 1037.8 | 1036.1 | 1037.8 | 1039.5 | 1041.2 |
| 142.5° | 1076.8 | 1074.2 | 1071.6 | 1069.4 | 1067.9 | 1066.4 | 1064.9 | 1063.4 | 1064.9 | 1066.4 | 1067.9 |
| 145° | 1114.2 | 1110.6 | 1107.1 | 1105.4 | 1105.6 | 1105.8 | 1106.0 | 1106.3 | 1106.0 | 1105.8 | 1105.6 |
| 147.5° | 1148.8 | 1145.3 | 1141.7 | 1140.4 | 1141.2 | 1142.0 | 1142.8 | 1143.6 | 1142.8 | 1142.0 | 1141.2 |
| 150° | 1169.7 | 1166.3 | 1162.9 | 1162.0 | 1163.4 | 1164.9 | 1166.4 | 1167.9 | 1166.4 | 1164.9 | 1163.4 |
| 152.5° | 1188.9 | 1185.7 | 1182.5 | 1181.8 | 1183.4 | 1185.0 | 1186.7 | 1188.3 | 1186.7 | 1185.0 | 1183.4 |
| 155° | 1215.8 | 1213.4 | 1210.9 | 1210.5 | 1212.4 | 1214.3 | 1216.2 | 1218.1 | 1216.2 | 1214.3 | 1212.4 |
| 157.5° | 1238.6 | 1236.9 | 1235.1 | 1235.0 | 1236.6 | 1238.2 | 1239.8 | 1241.4 | 1239.8 | 1238.2 | 1236.6 |
| 160° | 1252.5 | 1251.2 | 1250.0 | 1250.0 | 1251.2 | 1252.5 | 1253.8 | 1255.1 | 1253.8 | 1252.5 | 1251.2 |
| 162.5° | 1264.3 | 1263.1 | 1262.0 | 1262.1 | 1263.4 | 1264.6 | 1266.0 | 1267.2 | 1266.0 | 1264.6 | 1263.4 |
| 165° | 1279.4 | 1278.7 | 1278.1 | 1278.4 | 1279.7 | 1280.9 | 1282.2 | 1283.5 | 1282.2 | 1280.9 | 1279.7 |
| 167.5° | 1291.4 | 1290.8 | 1290.2 | 1290.6 | 1291.8 | 1293.1 | 1294.4 | 1295.7 | 1294.4 | 1293.1 | 1291.8 |
| 170° | 1297.8 | 1297.4 | 1297.0 | 1297.4 | 1298.7 | 1299.9 | 1301.2 | 1302.4 | 1301.2 | 1299.9 | 1298.7 |
| 172.5° | 1302.3 | 1302.0 | 1301.5 | 1302.0 | 1303.2 | 1304.5 | 1305.7 | 1307.0 | 1305.7 | 1304.5 | 1303.2 |
| 175° | 1307.3 | 1306.9 | 1306.4 | 1307.0 | 1308.5 | 1309.9 | 1311.4 | 1312.9 | 1311.4 | 1309.9 | 1308.5 |
| 177.5° | 1308.9 | 1308.8 | 1308.6 | 1309.1 | 1310.3 | 1311.4 | 1312.7 | 1313.8 | 1312.7 | 1311.4 | 1310.3 |
| 180° | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 |



TEST NUMBER: P331276-940

CATALOG NUMBER: S122DIP-S290D1080U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 |
| 2.5° | 520.1 | 519.2 | 515.8 | 514.0 | 511.0 | 508.3 | 506.5 | 507.3 | 507.9 | 507.7 | 507.1 |
| 5° | 505.2 | 501.3 | 495.4 | 490.4 | 486.8 | 480.1 | 477.2 | 475.8 | 474.6 | 473.2 | 471.8 |
| 7.5° | 487.4 | 481.3 | 473.0 | 465.7 | 459.0 | 450.6 | 445.9 | 443.1 | 440.1 | 436.9 | 434.1 |
| 10° | 474.8 | 466.3 | 457.4 | 447.3 | 439.2 | 431.7 | 425.0 | 420.5 | 416.4 | 412.6 | 409.8 |
| 12.5° | 461.5 | 451.7 | 440.7 | 426.9 | 417.9 | 407.2 | 406.2 | 398.3 | 392.0 | 389.6 | 386.3 |
| 15° | 440.4 | 426.6 | 412.6 | 396.2 | 389.1 | 379.4 | 373.4 | 367.2 | 361.8 | 357.9 | 357.0 |
| 17.5° | 416.3 | 398.5 | 384.6 | 372.8 | 361.2 | 351.2 | 345.6 | 340.8 | 336.3 | 331.2 | 330.5 |
| 20° | 398.1 | 382.6 | 367.5 | 357.1 | 345.2 | 335.0 | 328.1 | 323.3 | 319.4 | 316.4 | 313.8 |
| 22.5° | 380.7 | 363.8 | 349.9 | 338.7 | 326.9 | 318.7 | 313.3 | 308.5 | 305.3 | 302.0 | 299.5 |
| 25° | 352.8 | 339.7 | 324.5 | 311.7 | 302.0 | 296.8 | 292.3 | 288.3 | 286.2 | 284.0 | 281.2 |
| 27.5° | 328.5 | 313.9 | 299.7 | 289.8 | 281.2 | 276.6 | 273.4 | 270.6 | 268.8 | 267.4 | 265.8 |
| 30° | 311.4 | 296.6 | 285.4 | 275.7 | 268.6 | 263.9 | 261.9 | 260.3 | 258.1 | 257.3 | 256.5 |
| 32.5° | 294.8 | 281.5 | 272.0 | 263.5 | 256.8 | 253.7 | 251.9 | 250.4 | 248.7 | 247.9 | 246.2 |
| 35° | 271.4 | 260.3 | 251.0 | 246.3 | 240.9 | 238.2 | 236.8 | 234.8 | 233.2 | 232.4 | 232.1 |
| 37.5° | 249.4 | 239.8 | 233.6 | 227.7 | 225.3 | 223.7 | 221.8 | 220.4 | 219.9 | 219.8 | 219.5 |
| 40° | 235.1 | 227.3 | 221.8 | 217.0 | 216.0 | 213.5 | 211.9 | 210.7 | 210.7 | 210.9 | 210.7 |
| 42.5° | 222.2 | 215.1 | 210.3 | 206.1 | 204.9 | 203.5 | 201.8 | 201.8 | 202.1 | 202.8 | 202.1 |
| 45° | 202.6 | 197.5 | 194.0 | 192.1 | 189.8 | 188.4 | 188.2 | 188.8 | 189.0 | 189.2 | 189.8 |
| 47.5° | 184.5 | 181.1 | 178.0 | 175.8 | 174.8 | 174.6 | 174.3 | 175.4 | 176.4 | 176.7 | 177.6 |
| 50° | 173.8 | 170.0 | 167.3 | 165.9 | 165.1 | 164.7 | 165.1 | 166.3 | 167.1 | 168.1 | 168.7 |
| 52.5° | 161.8 | 159.1 | 157.3 | 156.1 | 155.9 | 156.1 | 156.1 | 157.6 | 158.8 | 159.3 | 159.5 |
| 55° | 145.3 | 143.2 | 142.9 | 141.0 | 141.8 | 141.6 | 142.6 | 143.4 | 144.6 | 145.9 | 146.1 |
| 57.5° | 128.7 | 127.1 | 126.0 | 126.2 | 126.4 | 127.3 | 128.1 | 129.6 | 130.8 | 132.2 | 132.2 |
| 60° | 117.7 | 116.9 | 116.3 | 116.3 | 116.6 | 117.9 | 118.9 | 120.3 | 121.1 | 122.0 | 122.5 |
| 62.5° | 107.6 | 106.8 | 106.2 | 106.6 | 107.6 | 108.3 | 109.5 | 110.3 | 111.1 | 111.9 | 112.2 |
| 65° | 91.8 | 91.4 | 91.9 | 92.4 | 92.6 | 93.5 | 95.0 | 95.6 | 96.4 | 96.8 | 98.3 |
| 67.5° | 77.1 | 77.2 | 77.1 | 77.7 | 78.9 | 79.1 | 80.4 | 81.9 | 82.0 | 82.8 | 83.7 |
| 70° | 67.2 | 67.7 | 68.0 | 68.5 | 69.5 | 69.9 | 70.9 | 71.5 | 72.3 | 72.9 | 73.6 |
| 72.5° | 58.1 | 58.2 | 58.7 | 58.6 | 59.5 | 60.3 | 61.2 | 61.8 | 62.6 | 63.4 | 63.9 |
| 75° | 44.8 | 44.8 | 45.2 | 45.4 | 46.4 | 47.4 | 47.2 | 47.6 | 48.4 | 49.2 | 49.7 |
| 77.5° | 32.7 | 32.3 | 32.7 | 32.9 | 33.3 | 34.1 | 34.2 | 34.8 | 35.8 | 35.5 | 35.9 |
| 80° | 24.9 | 24.3 | 24.9 | 25.1 | 25.1 | 26.1 | 26.1 | 26.6 | 27.1 | 26.6 | 27.1 |
| 82.5° | 17.7 | 17.5 | 17.9 | 18.0 | 18.3 | 18.4 | 18.6 | 18.7 | 19.4 | 19.1 | 19.4 |
| 85° | 8.9 | 8.7 | 8.9 | 8.7 | 8.9 | 9.1 | 9.1 | 8.9 | 8.9 | 9.3 | 8.7 |
| 87.5° | 4.8 | 5.0 | 5.2 | 5.5 | 5.7 | 5.9 | 6.0 | 6.2 | 6.3 | 6.2 | 6.4 |
| 90° | 10.3 | 12.2 | 13.9 | 15.6 | 17.3 | 19.0 | 20.0 | 21.0 | 22.1 | 23.2 | 23.9 |
| 92.5° | 18.3 | 18.6 | 19.4 | 20.3 | 21.1 | 22.0 | 22.6 | 23.1 | 23.6 | 24.2 | 24.6 |
| 95° | 33.8 | 31.0 | 32.5 | 34.1 | 35.5 | 37.0 | 38.0 | 39.1 | 40.1 | 41.2 | 41.6 |
| 97.5° | 44.0 | 35.8 | 39.2 | 42.6 | 46.1 | 49.5 | 50.3 | 51.2 | 52.0 | 52.9 | 53.4 |
| 100° | 52.3 | 39.7 | 43.2 | 46.9 | 50.5 | 54.0 | 55.7 | 57.4 | 59.1 | 60.8 | 61.8 |
| 102.5° | 193.4 | 175.4 | 145.4 | 115.5 | 85.5 | 55.6 | 57.8 | 59.9 | 62.2 | 64.3 | 65.7 |
| 105° | 313.4 | 287.8 | 230.3 | 172.8 | 115.3 | 57.8 | 60.1 | 62.4 | 64.7 | 67.1 | 68.7 |
| 107.5° | 388.8 | 356.9 | 287.8 | 218.9 | 149.9 | 81.0 | 78.6 | 76.2 | 73.8 | 71.5 | 70.8 |
| 110° | 437.7 | 409.4 | 348.5 | 287.7 | 226.8 | 165.9 | 144.8 | 123.8 | 102.7 | 81.6 | 71.5 |



TEST NUMBER: P331276-940

CATALOG NUMBER: S122DIP-S290D1080U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 484.1 | 478.6 | 463.5 | 448.5 | 433.5 | 418.4 | 341.6 | 264.7 | 187.9 | 111.0 | 72.9 |
| 115° | 559.4 | 563.8 | 569.1 | 574.4 | 579.6 | 584.9 | 487.3 | 389.8 | 292.3 | 194.7 | 138.4 |
| 117.5° | 629.5 | 633.3 | 636.9 | 640.6 | 644.2 | 647.8 | 624.2 | 600.7 | 577.0 | 553.5 | 516.7 |
| 120° | 676.2 | 679.7 | 683.5 | 687.2 | 691.1 | 694.8 | 697.3 | 699.9 | 702.4 | 705.0 | 692.0 |
| 122.5° | 719.3 | 723.1 | 727.2 | 731.3 | 735.5 | 739.6 | 741.1 | 742.6 | 744.1 | 745.6 | 743.6 |
| 125° | 781.6 | 785.0 | 789.0 | 793.0 | 797.0 | 801.0 | 802.5 | 804.0 | 805.4 | 806.9 | 808.0 |
| 127.5° | 841.4 | 844.4 | 847.4 | 850.3 | 853.4 | 856.4 | 858.5 | 860.7 | 862.8 | 865.0 | 866.1 |
| 130° | 879.9 | 882.7 | 885.0 | 887.3 | 889.7 | 892.0 | 894.3 | 896.6 | 898.9 | 901.3 | 902.3 |
| 132.5° | 915.8 | 918.4 | 920.7 | 923.0 | 925.3 | 927.6 | 929.6 | 931.6 | 933.6 | 935.6 | 936.5 |
| 135° | 967.1 | 969.7 | 971.6 | 973.5 | 975.4 | 977.3 | 979.5 | 981.5 | 983.6 | 985.7 | 986.6 |
| 137.5° | 1012.9 | 1015.1 | 1017.4 | 1019.5 | 1021.6 | 1023.8 | 1025.8 | 1027.9 | 1029.9 | 1032.0 | 1032.7 |
| 140° | 1042.9 | 1044.8 | 1047.1 | 1049.5 | 1051.8 | 1054.1 | 1056.0 | 1057.9 | 1059.8 | 1061.7 | 1062.1 |
| 142.5° | 1069.4 | 1071.6 | 1074.2 | 1076.8 | 1079.5 | 1082.2 | 1083.9 | 1085.6 | 1087.4 | 1089.0 | 1089.4 |
| 145° | 1105.4 | 1107.1 | 1110.6 | 1114.2 | 1117.8 | 1121.4 | 1122.8 | 1124.4 | 1125.8 | 1127.3 | 1127.5 |
| 147.5° | 1140.4 | 1141.7 | 1145.3 | 1148.8 | 1152.4 | 1155.9 | 1157.0 | 1158.1 | 1159.2 | 1160.3 | 1160.4 |
| 150° | 1162.0 | 1162.9 | 1166.3 | 1169.7 | 1173.0 | 1176.3 | 1177.7 | 1178.9 | 1180.2 | 1181.4 | 1181.5 |
| 152.5° | 1181.8 | 1182.5 | 1185.7 | 1188.9 | 1192.1 | 1195.3 | 1196.6 | 1197.8 | 1199.2 | 1200.4 | 1200.3 |
| 155° | 1210.5 | 1210.9 | 1213.4 | 1215.8 | 1218.4 | 1220.9 | 1222.2 | 1223.4 | 1224.8 | 1226.0 | 1225.7 |
| 157.5° | 1235.0 | 1235.1 | 1236.9 | 1238.6 | 1240.4 | 1242.2 | 1243.6 | 1245.0 | 1246.4 | 1247.9 | 1247.8 |
| 160° | 1250.0 | 1250.0 | 1251.2 | 1252.5 | 1253.8 | 1255.1 | 1256.3 | 1257.6 | 1258.8 | 1260.1 | 1260.0 |
| 162.5° | 1262.1 | 1262.0 | 1263.1 | 1264.3 | 1265.3 | 1266.4 | 1267.8 | 1269.3 | 1270.7 | 1272.2 | 1271.9 |
| 165° | 1278.4 | 1278.1 | 1278.7 | 1279.4 | 1280.1 | 1280.7 | 1282.1 | 1283.6 | 1285.0 | 1286.6 | 1286.6 |
| 167.5° | 1290.6 | 1290.2 | 1290.8 | 1291.4 | 1292.0 | 1292.6 | 1294.1 | 1295.6 | 1297.0 | 1298.5 | 1298.2 |
| 170° | 1297.4 | 1297.0 | 1297.4 | 1297.8 | 1298.2 | 1298.7 | 1300.1 | 1301.6 | 1303.1 | 1304.6 | 1304.3 |
| 172.5° | 1302.0 | 1301.5 | 1302.0 | 1302.3 | 1302.8 | 1303.2 | 1304.7 | 1306.2 | 1307.6 | 1309.1 | 1308.9 |
| 175° | 1307.0 | 1306.4 | 1306.9 | 1307.3 | 1307.7 | 1308.1 | 1309.7 | 1311.1 | 1312.6 | 1314.0 | 1313.8 |
| 177.5° | 1309.1 | 1308.6 | 1308.8 | 1308.9 | 1309.1 | 1309.3 | 1310.5 | 1311.6 | 1312.8 | 1314.0 | 1313.8 |
| 180° | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 |



TEST NUMBER: P331276-940

CATALOG NUMBER: S122DIP-S290D1080U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 |
| 2.5° | 505.5 | 505.2 | 505.2 | 503.7 | 505.2 | 505.2 | 505.5 | 507.1 | 507.7 | 507.9 | 507.3 |
| 5° | 469.0 | 468.3 | 467.3 | 468.3 | 467.3 | 468.3 | 469.0 | 471.8 | 473.2 | 474.6 | 475.8 |
| 7.5° | 432.7 | 430.3 | 430.0 | 427.6 | 430.0 | 430.3 | 432.7 | 434.1 | 436.9 | 440.1 | 443.1 |
| 10° | 406.4 | 404.7 | 404.5 | 400.6 | 404.5 | 404.7 | 406.4 | 409.8 | 412.6 | 416.4 | 420.5 |
| 12.5° | 386.3 | 382.4 | 383.2 | 380.9 | 383.2 | 382.4 | 386.3 | 386.3 | 389.6 | 392.0 | 398.3 |
| 15° | 351.4 | 351.4 | 350.6 | 347.2 | 350.6 | 351.4 | 351.4 | 357.0 | 357.9 | 361.8 | 367.2 |
| 17.5° | 326.5 | 326.0 | 324.1 | 325.1 | 324.1 | 326.0 | 326.5 | 330.5 | 331.2 | 336.3 | 340.8 |
| 20° | 311.6 | 310.3 | 307.9 | 307.9 | 307.9 | 310.3 | 311.6 | 313.8 | 316.4 | 319.4 | 323.3 |
| 22.5° | 297.5 | 297.4 | 294.8 | 295.6 | 294.8 | 297.4 | 297.5 | 299.5 | 302.0 | 305.3 | 308.5 |
| 25° | 281.0 | 279.4 | 278.1 | 278.7 | 278.1 | 279.4 | 281.0 | 281.2 | 284.0 | 286.2 | 288.3 |
| 27.5° | 265.3 | 264.4 | 264.3 | 262.7 | 264.3 | 264.4 | 265.3 | 265.8 | 267.4 | 268.8 | 270.6 |
| 30° | 256.3 | 254.2 | 254.6 | 253.6 | 254.6 | 254.2 | 256.3 | 256.5 | 257.3 | 258.1 | 260.3 |
| 32.5° | 245.8 | 245.1 | 244.8 | 243.9 | 244.8 | 245.1 | 245.8 | 246.2 | 247.9 | 248.7 | 250.4 |
| 35° | 231.8 | 231.9 | 231.0 | 231.3 | 231.0 | 231.9 | 231.8 | 232.1 | 232.4 | 233.2 | 234.8 |
| 37.5° | 219.4 | 220.0 | 219.5 | 219.6 | 219.5 | 220.0 | 219.4 | 219.5 | 219.8 | 219.9 | 220.4 |
| 40° | 211.2 | 211.2 | 211.2 | 211.9 | 211.2 | 211.2 | 211.2 | 210.7 | 210.9 | 210.7 | 210.7 |
| 42.5° | 203.5 | 203.1 | 202.9 | 202.8 | 202.9 | 203.1 | 203.5 | 202.1 | 202.8 | 202.1 | 201.8 |
| 45° | 190.2 | 190.8 | 191.0 | 190.0 | 191.0 | 190.8 | 190.2 | 189.8 | 189.2 | 189.0 | 188.8 |
| 47.5° | 178.2 | 178.3 | 178.2 | 179.1 | 178.2 | 178.3 | 178.2 | 177.6 | 176.7 | 176.4 | 175.4 |
| 50° | 169.8 | 169.3 | 169.8 | 169.3 | 169.8 | 169.3 | 169.8 | 168.7 | 168.1 | 167.1 | 166.3 |
| 52.5° | 160.9 | 161.0 | 160.7 | 160.6 | 160.7 | 161.0 | 160.9 | 159.5 | 159.3 | 158.8 | 157.6 |
| 55° | 146.9 | 147.2 | 147.0 | 147.0 | 147.0 | 147.2 | 146.9 | 146.1 | 145.9 | 144.6 | 143.4 |
| 57.5° | 132.4 | 132.8 | 133.0 | 132.2 | 133.0 | 132.8 | 132.4 | 132.2 | 132.2 | 130.8 | 129.6 |
| 60° | 122.3 | 123.3 | 123.1 | 122.8 | 123.1 | 123.3 | 122.3 | 122.5 | 122.0 | 121.1 | 120.3 |
| 62.5° | 113.1 | 113.5 | 113.4 | 113.3 | 113.4 | 113.5 | 113.1 | 112.2 | 111.9 | 111.1 | 110.3 |
| 65° | 98.9 | 99.2 | 98.6 | 99.2 | 98.6 | 99.2 | 98.9 | 98.3 | 96.8 | 96.4 | 95.6 |
| 67.5° | 83.5 | 83.6 | 84.1 | 84.4 | 84.1 | 83.6 | 83.5 | 83.7 | 82.8 | 82.0 | 81.9 |
| 70° | 73.9 | 73.7 | 74.4 | 75.0 | 74.4 | 73.7 | 73.9 | 73.6 | 72.9 | 72.3 | 71.5 |
| 72.5° | 63.8 | 64.3 | 64.1 | 64.6 | 64.1 | 64.3 | 63.8 | 63.9 | 63.4 | 62.6 | 61.8 |
| 75° | 49.2 | 49.8 | 49.7 | 50.2 | 49.7 | 49.8 | 49.2 | 49.7 | 49.2 | 48.4 | 47.6 |
| 77.5° | 35.6 | 35.7 | 35.6 | 35.9 | 35.6 | 35.7 | 35.6 | 35.9 | 35.5 | 35.8 | 34.8 |
| 80° | 27.1 | 26.8 | 26.3 | 27.1 | 26.3 | 26.8 | 27.1 | 27.1 | 26.6 | 27.1 | 26.6 |
| 82.5° | 18.9 | 19.1 | 18.7 | 18.7 | 18.7 | 19.1 | 18.9 | 19.4 | 19.1 | 19.4 | 18.7 |
| 85° | 8.7 | 8.5 | 8.1 | 8.1 | 8.1 | 8.5 | 8.7 | 8.7 | 9.3 | 8.9 | 8.9 |
| 87.5° | 6.5 | 6.4 | 6.5 | 6.4 | 6.5 | 6.4 | 6.5 | 6.4 | 6.2 | 6.3 | 6.2 |
| 90° | 24.3 | 24.8 | 25.1 | 25.6 | 25.1 | 24.8 | 24.3 | 23.9 | 23.2 | 22.1 | 21.0 |
| 92.5° | 24.9 | 25.1 | 25.3 | 25.6 | 25.3 | 25.1 | 24.9 | 24.6 | 24.2 | 23.6 | 23.1 |
| 95° | 41.4 | 41.2 | 40.9 | 40.8 | 40.9 | 41.2 | 41.4 | 41.6 | 41.2 | 40.1 | 39.1 |
| 97.5° | 53.7 | 53.9 | 54.1 | 54.4 | 54.1 | 53.9 | 53.7 | 53.4 | 52.9 | 52.0 | 51.2 |
| 100° | 62.2 | 62.7 | 63.1 | 63.5 | 63.1 | 62.7 | 62.2 | 61.8 | 60.8 | 59.1 | 57.4 |
| 102.5° | 66.3 | 66.9 | 67.5 | 68.0 | 67.5 | 66.9 | 66.3 | 65.7 | 64.3 | 62.2 | 59.9 |
| 105° | 69.6 | 70.4 | 71.2 | 72.1 | 71.2 | 70.4 | 69.6 | 68.7 | 67.1 | 64.7 | 62.4 |
| 107.5° | 71.6 | 72.4 | 73.3 | 74.1 | 73.3 | 72.4 | 71.6 | 70.8 | 71.5 | 73.8 | 76.2 |
| 110° | 72.3 | 73.2 | 74.0 | 74.9 | 74.0 | 73.2 | 72.3 | 71.5 | 81.6 | 102.7 | 123.8 |



TEST NUMBER: P331276-940

CATALOG NUMBER: S122DIP-S290D1080U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 73.7 | 74.3 | 75.0 | 75.6 | 75.0 | 74.3 | 73.7 | 72.9 | 111.0 | 187.9 | 264.7 |
| 115° | 123.2 | 108.1 | 92.9 | 77.8 | 92.9 | 108.1 | 123.2 | 138.4 | 194.7 | 292.3 | 389.8 |
| 117.5° | 466.9 | 417.1 | 367.2 | 317.4 | 367.2 | 417.1 | 466.9 | 516.7 | 553.5 | 577.0 | 600.7 |
| 120° | 663.5 | 635.1 | 606.6 | 578.3 | 606.6 | 635.1 | 663.5 | 692.0 | 705.0 | 702.4 | 699.9 |
| 122.5° | 738.2 | 732.6 | 727.1 | 721.6 | 727.1 | 732.6 | 738.2 | 743.6 | 745.6 | 744.1 | 742.6 |
| 125° | 808.6 | 809.2 | 809.9 | 810.5 | 809.9 | 809.2 | 808.6 | 808.0 | 806.9 | 805.4 | 804.0 |
| 127.5° | 866.2 | 866.4 | 866.5 | 866.6 | 866.5 | 866.4 | 866.2 | 866.1 | 865.0 | 862.8 | 860.7 |
| 130° | 902.1 | 901.9 | 901.7 | 901.5 | 901.7 | 901.9 | 902.1 | 902.3 | 901.3 | 898.9 | 896.6 |
| 132.5° | 936.2 | 936.0 | 935.9 | 935.6 | 935.9 | 936.0 | 936.2 | 936.5 | 935.6 | 933.6 | 931.6 |
| 135° | 986.1 | 985.7 | 985.3 | 984.9 | 985.3 | 985.7 | 986.1 | 986.6 | 985.7 | 983.6 | 981.5 |
| 137.5° | 1032.0 | 1031.3 | 1030.6 | 1029.8 | 1030.6 | 1031.3 | 1032.0 | 1032.7 | 1032.0 | 1029.9 | 1027.9 |
| 140° | 1061.0 | 1060.0 | 1058.9 | 1057.9 | 1058.9 | 1060.0 | 1061.0 | 1062.1 | 1061.7 | 1059.8 | 1057.9 |
| 142.5° | 1088.3 | 1087.3 | 1086.3 | 1085.2 | 1086.3 | 1087.3 | 1088.3 | 1089.4 | 1089.0 | 1087.4 | 1085.6 |
| 145° | 1126.5 | 1125.4 | 1124.4 | 1123.3 | 1124.4 | 1125.4 | 1126.5 | 1127.5 | 1127.3 | 1125.8 | 1124.4 |
| 147.5° | 1159.5 | 1158.6 | 1157.7 | 1156.8 | 1157.7 | 1158.6 | 1159.5 | 1160.4 | 1160.3 | 1159.2 | 1158.1 |
| 150° | 1180.4 | 1179.5 | 1178.4 | 1177.3 | 1178.4 | 1179.5 | 1180.4 | 1181.5 | 1181.4 | 1180.2 | 1178.9 |
| 152.5° | 1198.9 | 1197.6 | 1196.1 | 1194.8 | 1196.1 | 1197.6 | 1198.9 | 1200.3 | 1200.4 | 1199.2 | 1197.8 |
| 155° | 1224.1 | 1222.4 | 1220.8 | 1219.1 | 1220.8 | 1222.4 | 1224.1 | 1225.7 | 1226.0 | 1224.8 | 1223.4 |
| 157.5° | 1246.2 | 1244.5 | 1242.9 | 1241.2 | 1242.9 | 1244.5 | 1246.2 | 1247.8 | 1247.9 | 1246.4 | 1245.0 |
| 160° | 1258.6 | 1257.0 | 1255.6 | 1254.1 | 1255.6 | 1257.0 | 1258.6 | 1260.0 | 1260.1 | 1258.8 | 1257.6 |
| 162.5° | 1270.2 | 1268.4 | 1266.5 | 1264.7 | 1266.5 | 1268.4 | 1270.2 | 1271.9 | 1272.2 | 1270.7 | 1269.3 |
| 165° | 1285.0 | 1283.6 | 1282.1 | 1280.7 | 1282.1 | 1283.6 | 1285.0 | 1286.6 | 1286.6 | 1285.0 | 1283.6 |
| 167.5° | 1296.4 | 1294.5 | 1292.6 | 1290.7 | 1292.6 | 1294.5 | 1296.4 | 1298.2 | 1298.5 | 1297.0 | 1295.6 |
| 170° | 1302.4 | 1300.6 | 1298.7 | 1296.7 | 1298.7 | 1300.6 | 1302.4 | 1304.3 | 1304.6 | 1303.1 | 1301.6 |
| 172.5° | 1307.0 | 1305.1 | 1303.2 | 1301.3 | 1303.2 | 1305.1 | 1307.0 | 1308.9 | 1309.1 | 1307.6 | 1306.2 |
| 175° | 1311.6 | 1309.5 | 1307.4 | 1305.3 | 1307.4 | 1309.5 | 1311.6 | 1313.8 | 1314.0 | 1312.6 | 1311.1 |
| 177.5° | 1312.3 | 1310.8 | 1309.3 | 1307.8 | 1309.3 | 1310.8 | 1312.3 | 1313.8 | 1314.0 | 1312.8 | 1311.6 |
| 180° | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 |



TEST NUMBER: P331276-940

CATALOG NUMBER: S122DIP-S290D1080U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 |
| 2.5° | 506.5 | 508.3 | 511.0 | 514.0 | 515.8 | 519.2 | 520.1 | 521.7 | 523.2 | 526.6 | 530.1 |
| 5° | 477.2 | 480.1 | 486.8 | 490.4 | 495.4 | 501.3 | 505.2 | 509.3 | 513.7 | 521.4 | 528.5 |
| 7.5° | 445.9 | 450.6 | 459.0 | 465.7 | 473.0 | 481.3 | 487.4 | 495.4 | 502.1 | 513.0 | 523.3 |
| 10° | 425.0 | 431.7 | 439.2 | 447.3 | 457.4 | 466.3 | 474.8 | 484.9 | 493.0 | 506.0 | 518.2 |
| 12.5° | 406.2 | 407.2 | 417.9 | 426.9 | 440.7 | 451.7 | 461.5 | 474.6 | 482.5 | 497.9 | 510.7 |
| 15° | 373.4 | 379.4 | 389.1 | 396.2 | 412.6 | 426.6 | 440.4 | 454.0 | 463.1 | 482.1 | 498.9 |
| 17.5° | 345.6 | 351.2 | 361.2 | 372.8 | 384.6 | 398.5 | 416.3 | 430.7 | 443.1 | 464.8 | 484.7 |
| 20° | 328.1 | 335.0 | 345.2 | 357.1 | 367.5 | 382.6 | 398.1 | 414.5 | 427.8 | 452.4 | 475.6 |
| 22.5° | 313.3 | 318.7 | 326.9 | 338.7 | 349.9 | 363.8 | 380.7 | 398.6 | 412.6 | 439.1 | 462.6 |
| 25° | 292.3 | 296.8 | 302.0 | 311.7 | 324.5 | 339.7 | 352.8 | 372.6 | 393.0 | 417.7 | 446.2 |
| 27.5° | 273.4 | 276.6 | 281.2 | 289.8 | 299.7 | 313.9 | 328.5 | 347.1 | 367.7 | 394.6 | 424.7 |
| 30° | 261.9 | 263.9 | 268.6 | 275.7 | 285.4 | 296.6 | 311.4 | 329.1 | 350.3 | 377.4 | 407.3 |
| 32.5° | 251.9 | 253.7 | 256.8 | 263.5 | 272.0 | 281.5 | 294.8 | 312.6 | 332.7 | 359.4 | 392.6 |
| 35° | 236.8 | 238.2 | 240.9 | 246.3 | 251.0 | 260.3 | 271.4 | 287.7 | 306.5 | 332.0 | 366.4 |
| 37.5° | 221.8 | 223.7 | 225.3 | 227.7 | 233.6 | 239.8 | 249.4 | 263.1 | 281.6 | 307.4 | 340.2 |
| 40° | 211.9 | 213.5 | 216.0 | 217.0 | 221.8 | 227.3 | 235.1 | 247.7 | 266.4 | 289.9 | 321.9 |
| 42.5° | 201.8 | 203.5 | 204.9 | 206.1 | 210.3 | 215.1 | 222.2 | 233.0 | 249.5 | 272.3 | 304.1 |
| 45° | 188.2 | 188.4 | 189.8 | 192.1 | 194.0 | 197.5 | 202.6 | 211.9 | 224.6 | 246.1 | 274.9 |
| 47.5° | 174.3 | 174.6 | 174.8 | 175.8 | 178.0 | 181.1 | 184.5 | 192.1 | 203.5 | 220.6 | 248.6 |
| 50° | 165.1 | 164.7 | 165.1 | 165.9 | 167.3 | 170.0 | 173.8 | 179.2 | 188.6 | 204.6 | 230.3 |
| 52.5° | 156.1 | 156.1 | 155.9 | 156.1 | 157.3 | 159.1 | 161.8 | 166.5 | 174.8 | 189.5 | 212.1 |
| 55° | 142.6 | 141.6 | 141.8 | 141.0 | 142.9 | 143.2 | 145.3 | 149.1 | 156.4 | 166.5 | 187.8 |
| 57.5° | 128.1 | 127.3 | 126.4 | 126.2 | 126.0 | 127.1 | 128.7 | 131.7 | 137.3 | 146.2 | 163.5 |
| 60° | 118.9 | 117.9 | 116.6 | 116.3 | 116.3 | 116.9 | 117.7 | 119.9 | 125.2 | 133.0 | 147.2 |
| 62.5° | 109.5 | 108.3 | 107.6 | 106.6 | 106.2 | 106.8 | 107.6 | 109.2 | 113.1 | 120.5 | 132.7 |
| 65° | 95.0 | 93.5 | 92.6 | 92.4 | 91.9 | 91.4 | 91.8 | 93.4 | 96.4 | 102.3 | 112.0 |
| 67.5° | 80.4 | 79.1 | 78.9 | 77.7 | 77.1 | 77.2 | 77.1 | 78.5 | 80.3 | 85.4 | 92.6 |
| 70° | 70.9 | 69.9 | 69.5 | 68.5 | 68.0 | 67.7 | 67.2 | 68.5 | 70.3 | 74.5 | 80.8 |
| 72.5° | 61.2 | 60.3 | 59.5 | 58.6 | 58.7 | 58.2 | 58.1 | 58.9 | 60.4 | 64.3 | 69.2 |
| 75° | 47.2 | 47.4 | 46.4 | 45.4 | 45.2 | 44.8 | 44.8 | 45.4 | 46.0 | 49.0 | 52.9 |
| 77.5° | 34.2 | 34.1 | 33.3 | 32.9 | 32.7 | 32.3 | 32.7 | 33.1 | 33.4 | 35.5 | 38.3 |
| 80° | 26.1 | 26.1 | 25.1 | 25.1 | 24.9 | 24.3 | 24.9 | 24.5 | 25.3 | 27.4 | 29.3 |
| 82.5° | 18.6 | 18.4 | 18.3 | 18.0 | 17.9 | 17.5 | 17.7 | 18.2 | 18.5 | 19.9 | 21.1 |
| 85° | 9.1 | 9.1 | 8.9 | 8.7 | 8.9 | 8.7 | 8.9 | 9.1 | 9.3 | 9.9 | 11.0 |
| 87.5° | 6.0 | 5.9 | 5.7 | 5.5 | 5.2 | 5.0 | 4.8 | 4.5 | 4.4 | 4.0 | 3.7 |
| 90° | 20.0 | 19.0 | 17.3 | 15.6 | 13.9 | 12.2 | 10.3 | 7.9 | 5.6 | 3.3 | 1.0 |
| 92.5° | 22.6 | 22.0 | 21.1 | 20.3 | 19.4 | 18.6 | 18.3 | 18.5 | 18.7 | 18.9 | 19.2 |
| 95° | 38.0 | 37.0 | 35.5 | 34.1 | 32.5 | 31.0 | 33.8 | 40.8 | 47.7 | 54.7 | 61.6 |
| 97.5° | 50.3 | 49.5 | 46.1 | 42.6 | 39.2 | 35.8 | 44.0 | 63.5 | 83.1 | 102.7 | 122.3 |
| 100° | 55.7 | 54.0 | 50.5 | 46.9 | 43.2 | 39.7 | 52.3 | 81.2 | 110.0 | 138.9 | 167.8 |
| 102.5° | 57.8 | 55.6 | 85.5 | 115.5 | 145.4 | 175.4 | 193.4 | 199.5 | 205.6 | 211.7 | 217.8 |
| 105° | 60.1 | 57.8 | 115.3 | 172.8 | 230.3 | 287.8 | 313.4 | 307.1 | 300.8 | 294.5 | 288.2 |
| 107.5° | 78.6 | 81.0 | 149.9 | 218.9 | 287.8 | 356.9 | 388.8 | 383.6 | 378.5 | 373.4 | 368.4 |
| 110° | 144.8 | 165.9 | 226.8 | 287.7 | 348.5 | 409.4 | 437.7 | 433.2 | 428.8 | 424.4 | 419.9 |



TEST NUMBER: P331276-940

CATALOG NUMBER: S122DIP-S290D1080U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 341.6 | 418.4 | 433.5 | 448.5 | 463.5 | 478.6 | 484.1 | 480.2 | 476.3 | 472.4 | 468.5 |
| 115° | 487.3 | 584.9 | 579.6 | 574.4 | 569.1 | 563.8 | 559.4 | 555.8 | 552.2 | 548.7 | 545.1 |
| 117.5° | 624.2 | 647.8 | 644.2 | 640.6 | 636.9 | 633.3 | 629.5 | 625.5 | 621.5 | 617.5 | 613.5 |
| 120° | 697.3 | 694.8 | 691.1 | 687.2 | 683.5 | 679.7 | 676.2 | 673.1 | 669.9 | 666.7 | 663.5 |
| 122.5° | 741.1 | 739.6 | 735.5 | 731.3 | 727.2 | 723.1 | 719.3 | 716.0 | 712.7 | 709.4 | 706.1 |
| 125° | 802.5 | 801.0 | 797.0 | 793.0 | 789.0 | 785.0 | 781.6 | 778.9 | 776.1 | 773.4 | 770.7 |
| 127.5° | 858.5 | 856.4 | 853.4 | 850.3 | 847.4 | 844.4 | 841.4 | 838.4 | 835.4 | 832.3 | 829.3 |
| 130° | 894.3 | 892.0 | 889.7 | 887.3 | 885.0 | 882.7 | 879.9 | 876.6 | 873.2 | 869.8 | 866.4 |
| 132.5° | 929.6 | 927.6 | 925.3 | 923.0 | 920.7 | 918.4 | 915.8 | 912.9 | 910.1 | 907.2 | 904.3 |
| 135° | 979.5 | 977.3 | 975.4 | 973.5 | 971.6 | 969.7 | 967.1 | 963.8 | 960.4 | 957.0 | 953.6 |
| 137.5° | 1025.8 | 1023.8 | 1021.6 | 1019.5 | 1017.4 | 1015.1 | 1012.9 | 1010.6 | 1008.2 | 1005.8 | 1003.4 |
| 140° | 1056.0 | 1054.1 | 1051.8 | 1049.5 | 1047.1 | 1044.8 | 1042.9 | 1041.2 | 1039.5 | 1037.8 | 1036.1 |
| 142.5° | 1083.9 | 1082.2 | 1079.5 | 1076.8 | 1074.2 | 1071.6 | 1069.4 | 1067.9 | 1066.4 | 1064.9 | 1063.4 |
| 145° | 1122.8 | 1121.4 | 1117.8 | 1114.2 | 1110.6 | 1107.1 | 1105.4 | 1105.6 | 1105.8 | 1106.0 | 1106.3 |
| 147.5° | 1157.0 | 1155.9 | 1152.4 | 1148.8 | 1145.3 | 1141.7 | 1140.4 | 1141.2 | 1142.0 | 1142.8 | 1143.6 |
| 150° | 1177.7 | 1176.3 | 1173.0 | 1169.7 | 1166.3 | 1162.9 | 1162.0 | 1163.4 | 1164.9 | 1166.4 | 1167.9 |
| 152.5° | 1196.6 | 1195.3 | 1192.1 | 1188.9 | 1185.7 | 1182.5 | 1181.8 | 1183.4 | 1185.0 | 1186.7 | 1188.3 |
| 155° | 1222.2 | 1220.9 | 1218.4 | 1215.8 | 1213.4 | 1210.9 | 1210.5 | 1212.4 | 1214.3 | 1216.2 | 1218.1 |
| 157.5° | 1243.6 | 1242.2 | 1240.4 | 1238.6 | 1236.9 | 1235.1 | 1235.0 | 1236.6 | 1238.2 | 1239.8 | 1241.4 |
| 160° | 1256.3 | 1255.1 | 1253.8 | 1252.5 | 1251.2 | 1250.0 | 1250.0 | 1251.2 | 1252.5 | 1253.8 | 1255.1 |
| 162.5° | 1267.8 | 1266.4 | 1265.3 | 1264.3 | 1263.1 | 1262.0 | 1262.1 | 1263.4 | 1264.6 | 1266.0 | 1267.2 |
| 165° | 1282.1 | 1280.7 | 1280.1 | 1279.4 | 1278.7 | 1278.1 | 1278.4 | 1279.7 | 1280.9 | 1282.2 | 1283.5 |
| 167.5° | 1294.1 | 1292.6 | 1292.0 | 1291.4 | 1290.8 | 1290.2 | 1290.6 | 1291.8 | 1293.1 | 1294.4 | 1295.7 |
| 170° | 1300.1 | 1298.7 | 1298.2 | 1297.8 | 1297.4 | 1297.0 | 1297.4 | 1298.7 | 1299.9 | 1301.2 | 1302.4 |
| 172.5° | 1304.7 | 1303.2 | 1302.8 | 1302.3 | 1302.0 | 1301.5 | 1302.0 | 1303.2 | 1304.5 | 1305.7 | 1307.0 |
| 175° | 1309.7 | 1308.1 | 1307.7 | 1307.3 | 1306.9 | 1306.4 | 1307.0 | 1308.5 | 1309.9 | 1311.4 | 1312.9 |
| 177.5° | 1310.5 | 1309.3 | 1309.1 | 1308.9 | 1308.8 | 1308.6 | 1309.1 | 1310.3 | 1311.4 | 1312.7 | 1313.8 |
| 180° | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 |



TEST NUMBER: P331276-940

CATALOG NUMBER: S122DIP-S290D1080U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 |
| 2.5° | 529.9 | 530.7 | 533.2 | 535.8 | 538.8 | 539.6 | 540.8 | 539.8 | 539.4 | 542.4 | 544.7 |
| 5° | 531.4 | 534.9 | 542.1 | 548.6 | 554.0 | 557.9 | 562.0 | 563.6 | 566.6 | 570.8 | 576.1 |
| 7.5° | 529.6 | 536.7 | 547.9 | 557.3 | 567.6 | 575.0 | 580.8 | 585.8 | 591.7 | 599.8 | 608.6 |
| 10° | 527.7 | 537.2 | 550.8 | 562.3 | 574.9 | 584.4 | 592.3 | 600.0 | 608.9 | 620.1 | 631.6 |
| 12.5° | 524.1 | 535.4 | 552.4 | 566.1 | 582.2 | 591.6 | 602.2 | 618.8 | 628.4 | 643.9 | 660.1 |
| 15° | 516.9 | 529.5 | 553.2 | 570.0 | 588.3 | 606.1 | 625.7 | 641.5 | 657.3 | 666.5 | 689.3 |
| 17.5° | 506.3 | 524.7 | 551.0 | 570.6 | 593.8 | 621.8 | 643.9 | 661.8 | 680.0 | 694.8 | 706.3 |
| 20° | 497.7 | 517.7 | 547.8 | 571.2 | 598.8 | 628.9 | 654.2 | 672.5 | 688.3 | 700.7 | 707.8 |
| 22.5° | 486.9 | 512.1 | 541.3 | 568.8 | 604.0 | 633.8 | 660.4 | 674.8 | 688.0 | 694.0 | 696.8 |
| 25° | 469.8 | 500.2 | 533.2 | 566.8 | 606.5 | 638.1 | 662.4 | 671.1 | 674.9 | 669.1 | 659.3 |
| 27.5° | 451.3 | 485.2 | 523.8 | 562.9 | 604.9 | 635.3 | 652.7 | 651.4 | 644.9 | 625.8 | 610.6 |
| 30° | 437.6 | 474.8 | 516.3 | 559.1 | 601.2 | 630.8 | 640.9 | 630.8 | 616.0 | 594.8 | 573.0 |
| 32.5° | 423.1 | 461.7 | 508.4 | 553.6 | 594.4 | 620.5 | 622.6 | 605.2 | 582.3 | 558.1 | 531.1 |
| 35° | 401.3 | 443.0 | 493.5 | 541.3 | 580.0 | 596.4 | 586.7 | 555.8 | 528.7 | 495.7 | 458.8 |
| 37.5° | 376.6 | 422.7 | 473.2 | 523.3 | 558.3 | 562.6 | 538.4 | 506.0 | 467.7 | 428.9 | 385.5 |
| 40° | 358.1 | 407.0 | 459.1 | 509.4 | 540.5 | 536.0 | 505.2 | 469.6 | 424.0 | 376.6 | 336.3 |
| 42.5° | 341.6 | 390.4 | 443.4 | 492.9 | 517.7 | 505.5 | 469.6 | 425.8 | 376.8 | 332.2 | 295.2 |
| 45° | 313.0 | 363.2 | 417.5 | 465.3 | 479.5 | 457.4 | 409.8 | 361.1 | 313.0 | 275.7 | 246.6 |
| 47.5° | 285.2 | 334.8 | 388.6 | 430.6 | 435.6 | 405.9 | 353.9 | 303.9 | 262.4 | 232.1 | 211.5 |
| 50° | 264.7 | 314.6 | 367.8 | 405.4 | 403.7 | 367.8 | 314.4 | 266.8 | 232.1 | 207.6 | 193.9 |
| 52.5° | 246.5 | 293.6 | 344.6 | 378.8 | 370.1 | 331.1 | 280.0 | 237.7 | 209.3 | 190.1 | 177.6 |
| 55° | 217.9 | 261.5 | 310.1 | 337.5 | 321.6 | 278.3 | 235.1 | 201.2 | 180.0 | 165.7 | 156.0 |
| 57.5° | 189.7 | 230.5 | 272.2 | 289.0 | 271.5 | 231.5 | 195.6 | 170.9 | 155.0 | 144.4 | 138.0 |
| 60° | 172.2 | 207.9 | 244.9 | 259.5 | 238.6 | 203.0 | 174.6 | 152.6 | 139.7 | 131.1 | 125.4 |
| 62.5° | 154.7 | 186.6 | 221.6 | 229.5 | 210.4 | 180.3 | 155.2 | 136.8 | 126.4 | 118.6 | 113.2 |
| 65° | 130.8 | 157.0 | 183.5 | 188.8 | 171.2 | 147.8 | 128.0 | 116.1 | 106.7 | 101.1 | 96.8 |
| 67.5° | 107.4 | 128.3 | 147.1 | 151.3 | 135.9 | 119.8 | 105.4 | 95.0 | 88.7 | 84.0 | 80.3 |
| 70° | 93.4 | 110.0 | 125.4 | 128.9 | 116.5 | 102.1 | 91.1 | 82.8 | 77.1 | 73.1 | 69.6 |
| 72.5° | 78.6 | 92.5 | 105.3 | 107.6 | 97.6 | 86.5 | 77.6 | 71.0 | 66.0 | 63.4 | 60.1 |
| 75° | 60.2 | 68.3 | 78.2 | 78.8 | 72.1 | 65.5 | 58.6 | 54.3 | 51.6 | 48.4 | 46.8 |
| 77.5° | 42.4 | 48.8 | 54.5 | 55.6 | 51.6 | 47.1 | 43.2 | 39.9 | 37.6 | 36.1 | 34.6 |
| 80° | 32.4 | 37.5 | 39.9 | 41.3 | 38.5 | 35.2 | 33.0 | 30.8 | 29.3 | 28.4 | 27.4 |
| 82.5° | 23.2 | 26.3 | 28.5 | 29.7 | 28.1 | 26.1 | 24.0 | 22.6 | 21.6 | 20.8 | 20.4 |
| 85° | 11.8 | 13.2 | 14.6 | 15.0 | 14.6 | 13.7 | 12.6 | 12.6 | 11.9 | 11.8 | 11.8 |
| 87.5° | 4.7 | 5.8 | 6.2 | 7.2 | 7.3 | 7.7 | 7.9 | 8.1 | 8.3 | 8.4 | 8.4 |
| 90° | 3.3 | 5.6 | 7.9 | 10.3 | 12.2 | 13.9 | 15.6 | 17.3 | 19.0 | 20.0 | 21.0 |
| 92.5° | 18.9 | 18.7 | 18.5 | 18.3 | 18.6 | 19.4 | 20.3 | 21.1 | 22.0 | 22.6 | 23.1 |
| 95° | 54.7 | 47.7 | 40.8 | 33.8 | 31.0 | 32.5 | 34.1 | 35.5 | 37.0 | 38.0 | 39.1 |
| 97.5° | 102.7 | 83.1 | 63.5 | 44.0 | 35.8 | 39.2 | 42.6 | 46.1 | 49.5 | 50.3 | 51.2 |
| 100° | 138.9 | 110.0 | 81.2 | 52.3 | 39.7 | 43.2 | 46.9 | 50.5 | 54.0 | 55.7 | 57.4 |
| 102.5° | 211.7 | 205.6 | 199.5 | 193.4 | 175.4 | 145.4 | 115.5 | 85.5 | 55.6 | 57.8 | 59.9 |
| 105° | 294.5 | 300.8 | 307.1 | 313.4 | 287.8 | 230.3 | 172.8 | 115.3 | 57.8 | 60.1 | 62.4 |
| 107.5° | 373.4 | 378.5 | 383.6 | 388.8 | 356.9 | 287.8 | 218.9 | 149.9 | 81.0 | 78.6 | 76.2 |
| 110° | 424.4 | 428.8 | 433.2 | 437.7 | 409.4 | 348.5 | 287.7 | 226.8 | 165.9 | 144.8 | 123.8 |



TEST NUMBER: P331276-940

CATALOG NUMBER: S122DIP-S290D1080U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 472.4 | 476.3 | 480.2 | 484.1 | 478.6 | 463.5 | 448.5 | 433.5 | 418.4 | 341.6 | 264.7 |
| 115° | 548.7 | 552.2 | 555.8 | 559.4 | 563.8 | 569.1 | 574.4 | 579.6 | 584.9 | 487.3 | 389.8 |
| 117.5° | 617.5 | 621.5 | 625.5 | 629.5 | 633.3 | 636.9 | 640.6 | 644.2 | 647.8 | 624.2 | 600.7 |
| 120° | 666.7 | 669.9 | 673.1 | 676.2 | 679.7 | 683.5 | 687.2 | 691.1 | 694.8 | 697.3 | 699.9 |
| 122.5° | 709.4 | 712.7 | 716.0 | 719.3 | 723.1 | 727.2 | 731.3 | 735.5 | 739.6 | 741.1 | 742.6 |
| 125° | 773.4 | 776.1 | 778.9 | 781.6 | 785.0 | 789.0 | 793.0 | 797.0 | 801.0 | 802.5 | 804.0 |
| 127.5° | 832.3 | 835.4 | 838.4 | 841.4 | 844.4 | 847.4 | 850.3 | 853.4 | 856.4 | 858.5 | 860.7 |
| 130° | 869.8 | 873.2 | 876.6 | 879.9 | 882.7 | 885.0 | 887.3 | 889.7 | 892.0 | 894.3 | 896.6 |
| 132.5° | 907.2 | 910.1 | 912.9 | 915.8 | 918.4 | 920.7 | 923.0 | 925.3 | 927.6 | 929.6 | 931.6 |
| 135° | 957.0 | 960.4 | 963.8 | 967.1 | 969.7 | 971.6 | 973.5 | 975.4 | 977.3 | 979.5 | 981.5 |
| 137.5° | 1005.8 | 1008.2 | 1010.6 | 1012.9 | 1015.1 | 1017.4 | 1019.5 | 1021.6 | 1023.8 | 1025.8 | 1027.9 |
| 140° | 1037.8 | 1039.5 | 1041.2 | 1042.9 | 1044.8 | 1047.1 | 1049.5 | 1051.8 | 1054.1 | 1056.0 | 1057.9 |
| 142.5° | 1064.9 | 1066.4 | 1067.9 | 1069.4 | 1071.6 | 1074.2 | 1076.8 | 1079.5 | 1082.2 | 1083.9 | 1085.6 |
| 145° | 1106.0 | 1105.8 | 1105.6 | 1105.4 | 1107.1 | 1110.6 | 1114.2 | 1117.8 | 1121.4 | 1122.8 | 1124.4 |
| 147.5° | 1142.8 | 1142.0 | 1141.2 | 1140.4 | 1141.7 | 1145.3 | 1148.8 | 1152.4 | 1155.9 | 1157.0 | 1158.1 |
| 150° | 1166.4 | 1164.9 | 1163.4 | 1162.0 | 1162.9 | 1166.3 | 1169.7 | 1173.0 | 1176.3 | 1177.7 | 1178.9 |
| 152.5° | 1186.7 | 1185.0 | 1183.4 | 1181.8 | 1182.5 | 1185.7 | 1188.9 | 1192.1 | 1195.3 | 1196.6 | 1197.8 |
| 155° | 1216.2 | 1214.3 | 1212.4 | 1210.5 | 1210.9 | 1213.4 | 1215.8 | 1218.4 | 1220.9 | 1222.2 | 1223.4 |
| 157.5° | 1239.8 | 1238.2 | 1236.6 | 1235.0 | 1235.1 | 1236.9 | 1238.6 | 1240.4 | 1242.2 | 1243.6 | 1245.0 |
| 160° | 1253.8 | 1252.5 | 1251.2 | 1250.0 | 1250.0 | 1251.2 | 1252.5 | 1253.8 | 1255.1 | 1256.3 | 1257.6 |
| 162.5° | 1266.0 | 1264.6 | 1263.4 | 1262.1 | 1262.0 | 1263.1 | 1264.3 | 1265.3 | 1266.4 | 1267.8 | 1269.3 |
| 165° | 1282.2 | 1280.9 | 1279.7 | 1278.4 | 1278.1 | 1278.7 | 1279.4 | 1280.1 | 1280.7 | 1282.1 | 1283.6 |
| 167.5° | 1294.4 | 1293.1 | 1291.8 | 1290.6 | 1290.2 | 1290.8 | 1291.4 | 1292.0 | 1292.6 | 1294.1 | 1295.6 |
| 170° | 1301.2 | 1299.9 | 1298.7 | 1297.4 | 1297.0 | 1297.4 | 1297.8 | 1298.2 | 1298.7 | 1300.1 | 1301.6 |
| 172.5° | 1305.7 | 1304.5 | 1303.2 | 1302.0 | 1301.5 | 1302.0 | 1302.3 | 1302.8 | 1303.2 | 1304.7 | 1306.2 |
| 175° | 1311.4 | 1309.9 | 1308.5 | 1307.0 | 1306.4 | 1306.9 | 1307.3 | 1307.7 | 1308.1 | 1309.7 | 1311.1 |
| 177.5° | 1312.7 | 1311.4 | 1310.3 | 1309.1 | 1308.6 | 1308.8 | 1308.9 | 1309.1 | 1309.3 | 1310.5 | 1311.6 |
| 180° | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 |



TEST NUMBER: P331276-940

CATALOG NUMBER: S122DIP-S290D1080U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 |
| 2.5° | 546.7 | 548.9 | 548.9 | 549.3 | 551.9 | 551.5 | 551.3 |
| 5° | 581.8 | 585.2 | 585.6 | 589.2 | 591.7 | 590.8 | 588.6 |
| 7.5° | 614.8 | 621.3 | 626.2 | 628.8 | 632.0 | 634.0 | 633.1 |
| 10° | 641.1 | 650.4 | 656.1 | 660.0 | 664.6 | 668.1 | 666.8 |
| 12.5° | 664.9 | 676.0 | 683.9 | 690.5 | 691.0 | 695.4 | 692.4 |
| 15° | 702.1 | 713.8 | 715.1 | 719.9 | 723.8 | 723.4 | 723.5 |
| 17.5° | 714.3 | 718.1 | 718.9 | 719.0 | 719.1 | 717.6 | 714.5 |
| 20° | 710.0 | 708.6 | 705.2 | 702.5 | 697.9 | 697.2 | 693.2 |
| 22.5° | 689.2 | 684.7 | 676.1 | 670.4 | 663.2 | 661.3 | 660.1 |
| 25° | 648.5 | 638.5 | 624.7 | 611.5 | 607.9 | 600.8 | 602.8 |
| 27.5° | 592.4 | 576.9 | 562.0 | 551.3 | 541.6 | 531.0 | 534.0 |
| 30° | 553.0 | 535.6 | 514.5 | 498.3 | 487.9 | 477.9 | 476.0 |
| 32.5° | 506.0 | 480.5 | 457.0 | 442.7 | 426.9 | 420.4 | 413.5 |
| 35° | 425.0 | 400.0 | 376.7 | 356.7 | 345.2 | 336.3 | 328.1 |
| 37.5° | 352.1 | 323.4 | 304.6 | 288.4 | 280.0 | 274.9 | 276.3 |
| 40° | 306.9 | 281.8 | 268.0 | 255.7 | 247.9 | 244.3 | 245.1 |
| 42.5° | 270.3 | 251.5 | 240.1 | 231.7 | 226.2 | 224.2 | 223.7 |
| 45° | 228.7 | 218.2 | 208.8 | 204.0 | 201.3 | 199.1 | 197.7 |
| 47.5° | 200.4 | 191.7 | 186.5 | 183.6 | 181.3 | 179.1 | 179.0 |
| 50° | 183.3 | 177.6 | 174.0 | 170.9 | 169.2 | 167.6 | 169.0 |
| 52.5° | 170.3 | 165.1 | 161.5 | 158.8 | 158.1 | 156.7 | 156.6 |
| 55° | 151.1 | 147.0 | 144.5 | 142.0 | 140.8 | 140.0 | 138.9 |
| 57.5° | 133.6 | 129.7 | 127.3 | 125.8 | 123.5 | 122.7 | 122.3 |
| 60° | 121.1 | 118.1 | 115.7 | 113.6 | 112.6 | 111.0 | 111.0 |
| 62.5° | 109.6 | 106.6 | 104.3 | 102.8 | 101.1 | 100.5 | 100.7 |
| 65° | 93.0 | 90.5 | 88.3 | 86.7 | 86.3 | 85.1 | 85.5 |
| 67.5° | 77.7 | 76.1 | 73.7 | 72.8 | 72.1 | 71.4 | 70.9 |
| 70° | 67.4 | 65.8 | 64.6 | 63.4 | 62.8 | 62.8 | 62.8 |
| 72.5° | 58.9 | 56.9 | 56.2 | 54.7 | 55.0 | 54.4 | 53.7 |
| 75° | 45.6 | 44.3 | 43.8 | 43.2 | 42.2 | 42.2 | 42.2 |
| 77.5° | 33.5 | 33.2 | 32.5 | 31.8 | 31.6 | 31.4 | 31.5 |
| 80° | 25.9 | 25.7 | 25.3 | 25.3 | 24.9 | 24.7 | 24.3 |
| 82.5° | 20.0 | 19.4 | 19.2 | 19.0 | 18.9 | 18.9 | 18.8 |
| 85° | 11.3 | 11.0 | 11.0 | 11.1 | 10.7 | 10.7 | 11.0 |
| 87.5° | 8.8 | 9.0 | 9.0 | 9.1 | 9.4 | 9.3 | 9.4 |
| 90° | 22.1 | 23.2 | 23.9 | 24.3 | 24.8 | 25.1 | 25.6 |
| 92.5° | 23.6 | 24.2 | 24.6 | 24.9 | 25.1 | 25.3 | 25.6 |
| 95° | 40.1 | 41.2 | 41.6 | 41.4 | 41.2 | 40.9 | 40.8 |
| 97.5° | 52.0 | 52.9 | 53.4 | 53.7 | 53.9 | 54.1 | 54.4 |
| 100° | 59.1 | 60.8 | 61.8 | 62.2 | 62.7 | 63.1 | 63.5 |
| 102.5° | 62.2 | 64.3 | 65.7 | 66.3 | 66.9 | 67.5 | 68.0 |
| 105° | 64.7 | 67.1 | 68.7 | 69.6 | 70.4 | 71.2 | 72.1 |
| 107.5° | 73.8 | 71.5 | 70.8 | 71.6 | 72.4 | 73.3 | 74.1 |
| 110° | 102.7 | 81.6 | 71.5 | 72.3 | 73.2 | 74.0 | 74.9 |



TEST NUMBER: P331276-940

CATALOG NUMBER: S122DIP-S290D1080U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 187.9 | 111.0 | 72.9 | 73.7 | 74.3 | 75.0 | 75.6 |
| 115° | 292.3 | 194.7 | 138.4 | 123.2 | 108.1 | 92.9 | 77.8 |
| 117.5° | 577.0 | 553.5 | 516.7 | 466.9 | 417.1 | 367.2 | 317.4 |
| 120° | 702.4 | 705.0 | 692.0 | 663.5 | 635.1 | 606.6 | 578.3 |
| 122.5° | 744.1 | 745.6 | 743.6 | 738.2 | 732.6 | 727.1 | 721.6 |
| 125° | 805.4 | 806.9 | 808.0 | 808.6 | 809.2 | 809.9 | 810.5 |
| 127.5° | 862.8 | 865.0 | 866.1 | 866.2 | 866.4 | 866.5 | 866.6 |
| 130° | 898.9 | 901.3 | 902.3 | 902.1 | 901.9 | 901.7 | 901.5 |
| 132.5° | 933.6 | 935.6 | 936.5 | 936.2 | 936.0 | 935.9 | 935.6 |
| 135° | 983.6 | 985.7 | 986.6 | 986.1 | 985.7 | 985.3 | 984.9 |
| 137.5° | 1029.9 | 1032.0 | 1032.7 | 1032.0 | 1031.3 | 1030.6 | 1029.8 |
| 140° | 1059.8 | 1061.7 | 1062.1 | 1061.0 | 1060.0 | 1058.9 | 1057.9 |
| 142.5° | 1087.4 | 1089.0 | 1089.4 | 1088.3 | 1087.3 | 1086.3 | 1085.2 |
| 145° | 1125.8 | 1127.3 | 1127.5 | 1126.5 | 1125.4 | 1124.4 | 1123.3 |
| 147.5° | 1159.2 | 1160.3 | 1160.4 | 1159.5 | 1158.6 | 1157.7 | 1156.8 |
| 150° | 1180.2 | 1181.4 | 1181.5 | 1180.4 | 1179.5 | 1178.4 | 1177.3 |
| 152.5° | 1199.2 | 1200.4 | 1200.3 | 1198.9 | 1197.6 | 1196.1 | 1194.8 |
| 155° | 1224.8 | 1226.0 | 1225.7 | 1224.1 | 1222.4 | 1220.8 | 1219.1 |
| 157.5° | 1246.4 | 1247.9 | 1247.8 | 1246.2 | 1244.5 | 1242.9 | 1241.2 |
| 160° | 1258.8 | 1260.1 | 1260.0 | 1258.6 | 1257.0 | 1255.6 | 1254.1 |
| 162.5° | 1270.7 | 1272.2 | 1271.9 | 1270.2 | 1268.4 | 1266.5 | 1264.7 |
| 165° | 1285.0 | 1286.6 | 1286.6 | 1285.0 | 1283.6 | 1282.1 | 1280.7 |
| 167.5° | 1297.0 | 1298.5 | 1298.2 | 1296.4 | 1294.5 | 1292.6 | 1290.7 |
| 170° | 1303.1 | 1304.6 | 1304.3 | 1302.4 | 1300.6 | 1298.7 | 1296.7 |
| 172.5° | 1307.6 | 1309.1 | 1308.9 | 1307.0 | 1305.1 | 1303.2 | 1301.3 |
| 175° | 1312.6 | 1314.0 | 1313.8 | 1311.6 | 1309.5 | 1307.4 | 1305.3 |
| 177.5° | 1312.8 | 1314.0 | 1313.8 | 1312.3 | 1310.8 | 1309.3 | 1307.8 |
| 180° | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 | 1310.0 |

(END OF REPORT)