

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: P331903-930

Luminaire Tested: **S123DIP-S340D1195U930-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331903-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S340D1195U930-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1195 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4707.4 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Indirect

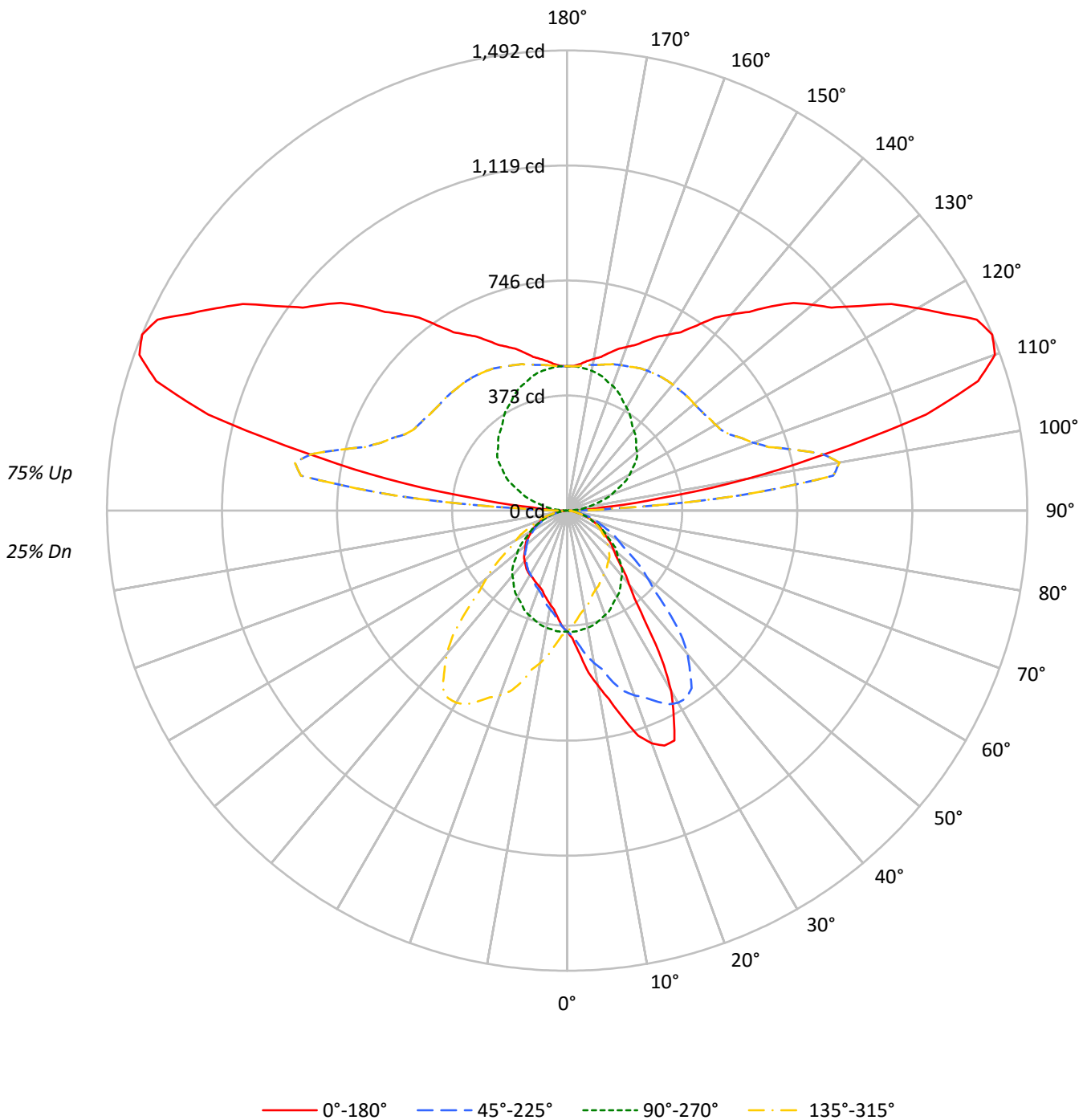
Input Watts (W): 42.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331903-930

CATALOG NUMBER: S123DIP-S340D1195U930-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P331903-930

CATALOG NUMBER: S123DIP-S340D1195U930-4F0-1E-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 | 101 | 101 | 101 | 101 | 90 | 90 | 90 | 90 | 70 | 70 | 70 | 51 | 51 | 51 | 33 | 33 | 33 | 25 |
| 1 | 92 | 88 | 85 | 81 | 82 | 79 | 76 | 73 | 61 | 59 | 57 | 45 | 43 | 42 | 30 | 29 | 28 | 21 |
| 2 | 84 | 77 | 71 | 66 | 75 | 69 | 64 | 60 | 54 | 50 | 47 | 39 | 37 | 35 | 26 | 25 | 24 | 18 |
| 3 | 77 | 68 | 61 | 55 | 68 | 61 | 55 | 50 | 47 | 43 | 40 | 35 | 32 | 30 | 23 | 22 | 21 | 16 |
| 4 | 70 | 60 | 52 | 47 | 62 | 54 | 47 | 42 | 42 | 38 | 34 | 31 | 28 | 26 | 21 | 19 | 18 | 13 |
| 5 | 64 | 53 | 46 | 40 | 57 | 48 | 41 | 36 | 37 | 33 | 29 | 28 | 25 | 22 | 19 | 17 | 15 | 12 |
| 6 | 59 | 48 | 40 | 34 | 53 | 43 | 36 | 31 | 34 | 29 | 25 | 25 | 22 | 19 | 17 | 15 | 14 | 10 |
| 7 | 55 | 43 | 35 | 30 | 48 | 39 | 32 | 27 | 30 | 26 | 22 | 23 | 20 | 17 | 16 | 14 | 12 | 9 |
| 8 | 51 | 39 | 31 | 26 | 45 | 35 | 29 | 24 | 28 | 23 | 20 | 21 | 18 | 15 | 14 | 12 | 11 | 8 |
| 9 | 47 | 35 | 28 | 23 | 42 | 32 | 26 | 21 | 25 | 21 | 17 | 19 | 16 | 14 | 13 | 11 | 10 | 7 |
| 10 | 44 | 32 | 25 | 21 | 39 | 29 | 23 | 19 | 23 | 19 | 16 | 17 | 14 | 12 | 12 | 10 | 9 | 7 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|------|------|------|------|
| 0° | 4219 | 4219 | 4219 | 4219 |
| 5° | 5032 | 4238 | 3756 | 4238 |
| 10° | 6299 | 4217 | 3393 | 4217 |
| 15° | 7725 | 4182 | 3158 | 4182 |
| 20° | 9203 | 4129 | 3007 | 4129 |
| 25° | 9772 | 4065 | 2973 | 4065 |
| 30° | 8376 | 4018 | 2988 | 4018 |
| 35° | 5825 | 3951 | 3020 | 3951 |
| 40° | 4388 | 3873 | 3011 | 3873 |
| 45° | 3643 | 3755 | 2973 | 3755 |
| 50° | 3264 | 3518 | 2946 | 3518 |
| 55° | 3051 | 3262 | 2909 | 3262 |
| 60° | 2863 | 2992 | 2878 | 2992 |
| 65° | 2690 | 2728 | 2786 | 2728 |
| 70° | 2521 | 2426 | 2653 | 2426 |
| 75° | 2258 | 2125 | 2433 | 2125 |
| 80° | 1977 | 1742 | 2095 | 1742 |
| 85° | 1556 | 1272 | 1408 | 1272 |



TEST NUMBER: P331903-930

CATALOG NUMBER: S123DIP-S340D1195U930-4F0-1E-UDD-A4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 38.6 | 0.8 |
| 10°-20° | 123.8 | 2.6 |
| 20°-30° | 207.8 | 4.4 |
| 30°-40° | 235.3 | 5.0 |
| 40°-50° | 211.0 | 4.5 |
| 50°-60° | 170.3 | 3.6 |
| 60°-70° | 118.7 | 2.5 |
| 70°-80° | 62.4 | 1.3 |
| 80°-90° | 18.9 | 0.4 |
| 90°-100° | 260.4 | 5.5 |
| 100°-110° | 737.4 | 15.7 |
| 110°-120° | 725.4 | 15.4 |
| 120°-130° | 578.6 | 12.3 |
| 130°-140° | 456.2 | 9.7 |
| 140°-150° | 340.5 | 7.2 |
| 150°-160° | 237.3 | 5.0 |
| 160°-170° | 139.4 | 3.0 |
| 170°-180° | 45.4 | 1.0 |
| 0°-30° | 370.3 | 7.9 |
| 0°-40° | 605.6 | 12.9 |
| 0°-60° | 986.9 | 21.0 |
| 0°-90° | 1186.8 | 25.2 |
| 90°-120° | 1723.2 | 36.6 |
| 90°-150° | 3098.5 | 65.8 |
| 90°-180° | 3521.0 | 74.8 |
| 0°-180° | 4707.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|-----|------|------|------|------|
| 0° | 392 | 392 | 392 | 392 | 392 | |
| 5° | 466 | 392 | 348 | 392 | 466 | 48 |
| 15° | 693 | 375 | 283 | 375 | 693 | 200 |
| 25° | 823 | 342 | 250 | 342 | 823 | 361 |
| 35° | 443 | 301 | 230 | 301 | 443 | 288 |
| 45° | 239 | 247 | 195 | 247 | 239 | 189 |
| 55° | 163 | 174 | 155 | 174 | 163 | 146 |
| 65° | 106 | 107 | 109 | 107 | 106 | 105 |
| 75° | 54 | 51 | 58 | 51 | 54 | 58 |
| 85° | 13 | 10 | 11 | 10 | 13 | 16 |
| 90° | 28 | 2 | 28 | 2 | 28 | 15 |
| 95° | 110 | 32 | 110 | 32 | 110 | 198 |
| 105° | 1205 | 110 | 1205 | 110 | 1205 | 1189 |
| 115° | 1465 | 194 | 1465 | 194 | 1465 | 1424 |
| 125° | 1156 | 270 | 1156 | 270 | 1156 | 1047 |
| 135° | 937 | 316 | 937 | 316 | 937 | 727 |
| 145° | 732 | 361 | 732 | 361 | 732 | 466 |
| 155° | 607 | 410 | 607 | 410 | 607 | 283 |
| 165° | 530 | 448 | 530 | 448 | 530 | 151 |
| 175° | 476 | 467 | 476 | 467 | 476 | 46 |
| 180° | 468 | 468 | 468 | 468 | 468 | |



TEST NUMBER: P331903-930

CATALOG NUMBER: S123DIP-S340D1195U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 0° | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 |
| 2.5° | 416.0 | 415.7 | 415.0 | 415.6 | 414.3 | 412.7 | 412.5 | 411.0 | 406.6 | 406.3 | 405.1 |
| 5° | 465.7 | 464.2 | 464.0 | 463.8 | 461.1 | 457.5 | 450.7 | 450.1 | 441.0 | 436.5 | 431.0 |
| 7.5° | 530.1 | 530.8 | 528.1 | 525.7 | 517.6 | 512.2 | 504.8 | 495.5 | 484.3 | 472.9 | 465.4 |
| 10° | 576.3 | 582.5 | 574.8 | 569.4 | 564.5 | 555.2 | 544.4 | 530.8 | 517.4 | 501.7 | 489.7 |
| 12.5° | 625.8 | 628.8 | 627.3 | 622.3 | 614.7 | 600.5 | 581.3 | 566.4 | 554.0 | 527.7 | 517.1 |
| 15° | 693.2 | 704.8 | 697.4 | 680.4 | 680.7 | 667.2 | 642.2 | 614.7 | 600.0 | 577.0 | 545.7 |
| 17.5° | 765.2 | 766.5 | 763.4 | 749.2 | 739.7 | 721.1 | 698.0 | 671.6 | 642.0 | 614.2 | 580.9 |
| 20° | 803.4 | 802.3 | 795.7 | 788.2 | 771.9 | 757.5 | 732.2 | 702.8 | 664.8 | 637.4 | 601.1 |
| 22.5° | 824.7 | 822.8 | 819.6 | 813.4 | 799.9 | 784.4 | 761.7 | 729.5 | 693.3 | 655.7 | 613.8 |
| 25° | 822.8 | 825.2 | 825.7 | 823.9 | 819.2 | 809.9 | 792.1 | 766.4 | 730.3 | 681.8 | 638.2 |
| 27.5° | 748.4 | 751.9 | 762.0 | 771.0 | 781.1 | 791.3 | 789.9 | 777.2 | 750.5 | 708.7 | 655.3 |
| 30° | 673.9 | 666.3 | 685.1 | 708.8 | 725.0 | 753.5 | 769.4 | 770.4 | 755.4 | 719.5 | 667.4 |
| 32.5° | 570.5 | 578.9 | 587.3 | 616.4 | 651.8 | 683.7 | 715.5 | 741.0 | 744.0 | 720.1 | 674.6 |
| 35° | 443.3 | 453.8 | 469.0 | 484.1 | 522.1 | 554.8 | 610.7 | 659.3 | 698.0 | 703.1 | 675.2 |
| 37.5° | 357.3 | 362.4 | 372.0 | 387.3 | 412.1 | 450.9 | 494.0 | 555.5 | 611.6 | 653.4 | 655.2 |
| 40° | 312.3 | 313.8 | 324.6 | 336.1 | 356.3 | 388.2 | 427.1 | 481.5 | 548.7 | 607.1 | 631.4 |
| 42.5° | 278.5 | 281.8 | 286.5 | 297.6 | 313.6 | 337.6 | 373.8 | 418.7 | 480.4 | 547.5 | 595.0 |
| 45° | 239.3 | 243.1 | 246.0 | 253.4 | 264.8 | 281.0 | 306.1 | 347.2 | 394.1 | 463.4 | 527.4 |
| 47.5° | 213.4 | 213.7 | 215.8 | 221.4 | 229.2 | 241.3 | 259.2 | 285.5 | 328.6 | 384.8 | 450.5 |
| 50° | 194.9 | 197.9 | 198.7 | 203.0 | 209.1 | 218.0 | 232.8 | 255.3 | 290.6 | 340.0 | 400.4 |
| 52.5° | 181.8 | 182.7 | 184.8 | 188.0 | 193.3 | 200.2 | 213.1 | 230.6 | 258.4 | 300.5 | 356.0 |
| 55° | 162.6 | 162.6 | 164.7 | 167.1 | 170.2 | 176.4 | 185.0 | 197.9 | 219.0 | 251.7 | 297.7 |
| 57.5° | 144.8 | 145.8 | 147.2 | 148.0 | 150.6 | 154.7 | 161.8 | 171.7 | 187.4 | 212.5 | 249.1 |
| 60° | 133.0 | 134.7 | 134.4 | 136.0 | 138.3 | 141.5 | 147.6 | 155.6 | 169.6 | 189.7 | 220.5 |
| 62.5° | 122.6 | 122.5 | 122.5 | 124.3 | 126.5 | 129.6 | 133.6 | 140.5 | 152.5 | 170.3 | 196.5 |
| 65° | 105.6 | 105.3 | 106.6 | 107.7 | 108.4 | 110.7 | 113.7 | 119.8 | 127.8 | 141.1 | 161.4 |
| 67.5° | 90.5 | 89.4 | 90.1 | 90.5 | 91.8 | 93.6 | 96.4 | 100.2 | 106.5 | 117.2 | 132.5 |
| 70° | 80.1 | 79.2 | 79.0 | 79.4 | 80.6 | 81.9 | 84.0 | 87.6 | 93.4 | 102.0 | 113.2 |
| 72.5° | 69.5 | 68.9 | 68.8 | 69.7 | 70.2 | 71.1 | 72.6 | 75.8 | 80.6 | 87.0 | 97.4 |
| 75° | 54.3 | 54.3 | 54.3 | 54.5 | 55.1 | 55.8 | 57.0 | 58.7 | 62.3 | 66.9 | 73.9 |
| 77.5° | 40.7 | 40.7 | 40.4 | 40.4 | 41.3 | 41.6 | 41.8 | 43.5 | 45.5 | 48.5 | 53.6 |
| 80° | 31.9 | 31.0 | 31.3 | 31.9 | 32.3 | 32.4 | 33.0 | 33.4 | 35.1 | 36.9 | 40.4 |
| 82.5° | 23.7 | 22.9 | 23.0 | 23.9 | 24.0 | 24.1 | 24.7 | 25.2 | 25.8 | 27.4 | 29.4 |
| 85° | 12.6 | 12.6 | 12.7 | 12.7 | 12.9 | 12.7 | 13.3 | 13.5 | 13.5 | 14.4 | 15.6 |
| 87.5° | 10.0 | 9.9 | 9.9 | 9.9 | 9.9 | 9.7 | 9.6 | 9.6 | 9.5 | 9.9 | 9.5 |
| 90° | 27.5 | 28.5 | 27.5 | 26.5 | 27.5 | 25.6 | 24.6 | 23.6 | 22.7 | 23.6 | 20.9 |
| 92.5° | 45.7 | 47.4 | 46.4 | 49.2 | 51.0 | 55.8 | 63.3 | 79.7 | 109.9 | 145.7 | 160.3 |
| 95° | 109.9 | 113.7 | 120.3 | 128.8 | 146.8 | 180.9 | 231.1 | 341.0 | 455.6 | 561.7 | 500.2 |
| 97.5° | 299.1 | 307.3 | 332.9 | 375.5 | 445.4 | 558.7 | 680.9 | 850.0 | 931.3 | 870.5 | 637.3 |
| 100° | 593.9 | 593.0 | 629.9 | 699.0 | 794.8 | 929.3 | 1040.1 | 1116.8 | 1083.7 | 897.1 | 606.3 |
| 102.5° | 871.3 | 893.1 | 924.0 | 978.7 | 1053.1 | 1138.4 | 1203.0 | 1205.5 | 1091.2 | 847.8 | 560.8 |
| 105° | 1204.9 | 1209.7 | 1240.0 | 1275.9 | 1319.6 | 1344.2 | 1326.2 | 1231.4 | 1033.5 | 761.6 | 504.9 |
| 107.5° | 1397.0 | 1405.7 | 1415.9 | 1428.1 | 1427.3 | 1393.6 | 1310.6 | 1156.7 | 932.3 | 685.4 | 469.3 |
| 110° | 1475.9 | 1477.7 | 1479.6 | 1472.0 | 1445.5 | 1379.2 | 1259.9 | 1085.6 | 868.6 | 642.2 | 455.6 |



TEST NUMBER: P331903-930

CATALOG NUMBER: S123DIP-S340D1195U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 112.5° | 1491.8 | 1491.3 | 1484.2 | 1460.7 | 1412.2 | 1326.9 | 1193.2 | 1015.0 | 813.3 | 613.4 | 448.1 |
| 115° | 1465.4 | 1460.7 | 1441.7 | 1400.0 | 1329.0 | 1225.7 | 1086.5 | 921.7 | 746.4 | 582.5 | 445.2 |
| 117.5° | 1381.7 | 1375.2 | 1347.9 | 1300.2 | 1226.1 | 1121.4 | 996.3 | 854.0 | 706.0 | 564.4 | 446.9 |
| 120° | 1312.0 | 1306.3 | 1283.5 | 1230.4 | 1155.7 | 1060.0 | 946.3 | 818.4 | 684.9 | 556.0 | 450.0 |
| 122.5° | 1246.8 | 1239.6 | 1214.6 | 1166.9 | 1100.3 | 1011.5 | 906.1 | 790.4 | 667.4 | 550.7 | 455.3 |
| 125° | 1155.7 | 1149.0 | 1125.4 | 1083.7 | 1023.0 | 947.2 | 856.3 | 753.1 | 645.1 | 543.7 | 463.2 |
| 127.5° | 1080.6 | 1074.6 | 1053.1 | 1017.6 | 963.5 | 894.5 | 812.5 | 720.5 | 625.4 | 540.3 | 472.3 |
| 130° | 1038.2 | 1030.6 | 1010.7 | 976.6 | 926.4 | 862.0 | 785.3 | 700.0 | 614.7 | 538.0 | 478.3 |
| 132.5° | 996.5 | 991.2 | 973.5 | 939.5 | 892.3 | 831.0 | 759.5 | 681.1 | 605.0 | 537.3 | 482.9 |
| 135° | 936.9 | 930.2 | 913.1 | 884.8 | 838.3 | 784.3 | 722.8 | 655.5 | 592.1 | 536.1 | 489.8 |
| 137.5° | 873.8 | 869.4 | 855.0 | 826.2 | 787.2 | 740.4 | 687.3 | 632.2 | 580.8 | 534.0 | 494.3 |
| 140° | 829.8 | 830.7 | 815.6 | 789.0 | 753.1 | 712.3 | 666.8 | 618.6 | 574.1 | 533.3 | 497.3 |
| 142.5° | 788.9 | 789.8 | 776.2 | 752.7 | 722.0 | 686.6 | 647.2 | 605.7 | 567.9 | 531.8 | 499.6 |
| 145° | 732.2 | 730.3 | 722.8 | 702.9 | 679.1 | 651.8 | 621.4 | 590.1 | 559.9 | 529.5 | 501.1 |
| 147.5° | 685.6 | 684.9 | 677.7 | 664.2 | 646.2 | 626.7 | 602.3 | 577.5 | 551.9 | 525.9 | 501.1 |
| 150° | 658.4 | 658.4 | 652.6 | 642.2 | 628.0 | 610.0 | 590.1 | 568.3 | 546.6 | 522.9 | 501.1 |
| 152.5° | 635.6 | 635.6 | 632.2 | 622.6 | 611.4 | 596.4 | 578.8 | 560.0 | 540.5 | 519.1 | 498.8 |
| 155° | 607.2 | 606.3 | 604.4 | 596.8 | 588.2 | 576.9 | 562.6 | 547.5 | 531.4 | 512.5 | 496.4 |
| 157.5° | 581.2 | 581.4 | 579.9 | 574.2 | 566.8 | 557.9 | 547.0 | 534.3 | 521.1 | 506.6 | 493.2 |
| 160° | 564.6 | 565.5 | 565.5 | 559.9 | 553.2 | 546.6 | 537.1 | 526.7 | 514.4 | 502.1 | 491.6 |
| 162.5° | 549.4 | 550.3 | 550.3 | 545.4 | 541.0 | 535.2 | 526.5 | 517.6 | 507.5 | 497.5 | 488.6 |
| 165° | 529.5 | 529.5 | 530.4 | 526.7 | 522.9 | 518.1 | 511.5 | 505.8 | 498.2 | 490.6 | 484.0 |
| 167.5° | 510.5 | 510.5 | 511.5 | 508.8 | 507.2 | 503.8 | 499.9 | 495.6 | 489.3 | 483.9 | 479.5 |
| 170° | 499.2 | 499.2 | 500.2 | 498.2 | 497.3 | 495.4 | 491.6 | 488.8 | 484.0 | 479.3 | 476.5 |
| 172.5° | 488.6 | 489.3 | 491.1 | 489.2 | 488.9 | 487.9 | 484.8 | 482.7 | 478.7 | 475.5 | 474.2 |
| 175° | 476.5 | 477.4 | 478.3 | 477.4 | 477.4 | 477.4 | 475.5 | 474.6 | 472.7 | 470.8 | 470.8 |
| 177.5° | 469.4 | 469.4 | 471.0 | 470.2 | 471.0 | 471.0 | 470.2 | 469.4 | 468.7 | 468.0 | 468.7 |
| 180° | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 |



TEST NUMBER: P331903-930

CATALOG NUMBER: S123DIP-S340D1195U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 |
| 2.5° | 404.1 | 403.0 | 401.8 | 399.7 | 397.8 | 395.3 | 394.4 | 393.5 | 390.8 | 388.4 | 386.5 |
| 5° | 428.8 | 424.3 | 417.7 | 411.6 | 406.7 | 400.0 | 396.2 | 392.2 | 386.5 | 381.4 | 377.2 |
| 7.5° | 454.7 | 445.7 | 435.4 | 424.3 | 413.8 | 403.8 | 395.7 | 388.5 | 380.5 | 373.0 | 367.0 |
| 10° | 475.2 | 462.3 | 447.8 | 432.3 | 419.0 | 406.1 | 395.3 | 385.8 | 375.5 | 366.6 | 359.1 |
| 12.5° | 498.6 | 479.5 | 459.6 | 440.7 | 424.9 | 407.0 | 393.9 | 381.8 | 370.1 | 359.5 | 351.1 |
| 15° | 526.3 | 502.0 | 478.4 | 452.4 | 428.5 | 406.1 | 390.5 | 375.3 | 361.8 | 350.8 | 340.1 |
| 17.5° | 551.5 | 524.0 | 492.9 | 461.3 | 432.4 | 405.9 | 384.1 | 366.9 | 350.0 | 336.6 | 326.0 |
| 20° | 565.8 | 534.5 | 499.4 | 466.5 | 434.6 | 405.0 | 381.0 | 360.5 | 342.3 | 328.0 | 316.1 |
| 22.5° | 578.1 | 541.4 | 505.1 | 469.9 | 434.4 | 402.5 | 375.4 | 354.2 | 334.5 | 320.6 | 307.9 |
| 25° | 590.9 | 547.0 | 510.5 | 469.4 | 429.7 | 396.6 | 366.2 | 342.3 | 322.5 | 306.1 | 293.1 |
| 27.5° | 601.9 | 546.7 | 503.4 | 459.0 | 422.1 | 389.0 | 356.5 | 330.8 | 309.9 | 292.1 | 278.8 |
| 30° | 609.1 | 547.4 | 495.9 | 452.1 | 414.8 | 380.7 | 349.1 | 323.3 | 301.3 | 283.2 | 270.7 |
| 32.5° | 613.7 | 546.9 | 489.1 | 442.3 | 403.2 | 373.0 | 341.0 | 314.3 | 291.6 | 273.9 | 261.9 |
| 35° | 616.4 | 543.6 | 477.3 | 422.2 | 384.7 | 355.1 | 328.4 | 300.7 | 277.0 | 260.4 | 246.7 |
| 37.5° | 611.0 | 536.5 | 463.7 | 402.8 | 361.7 | 332.7 | 310.1 | 286.6 | 263.8 | 245.6 | 233.8 |
| 40° | 602.7 | 532.0 | 453.0 | 389.1 | 345.8 | 318.0 | 298.8 | 275.6 | 253.2 | 235.9 | 224.9 |
| 42.5° | 586.7 | 522.8 | 441.3 | 374.0 | 329.5 | 301.6 | 283.9 | 264.5 | 243.3 | 227.1 | 216.1 |
| 45° | 547.8 | 502.6 | 423.7 | 351.2 | 305.2 | 276.4 | 260.8 | 246.7 | 227.6 | 211.8 | 202.3 |
| 47.5° | 493.7 | 472.2 | 398.4 | 327.2 | 279.9 | 252.2 | 235.9 | 224.7 | 210.7 | 197.9 | 188.8 |
| 50° | 456.2 | 447.3 | 381.2 | 310.7 | 263.1 | 235.9 | 220.3 | 210.1 | 200.0 | 187.3 | 179.0 |
| 52.5° | 412.9 | 418.4 | 361.2 | 293.8 | 245.9 | 219.2 | 204.6 | 196.4 | 187.3 | 176.8 | 169.5 |
| 55° | 352.0 | 371.9 | 326.5 | 265.1 | 220.3 | 194.9 | 181.0 | 173.8 | 168.4 | 160.7 | 154.4 |
| 57.5° | 294.9 | 320.2 | 289.0 | 235.7 | 195.2 | 173.3 | 160.0 | 152.1 | 148.7 | 144.6 | 139.7 |
| 60° | 261.0 | 286.0 | 262.3 | 216.0 | 178.4 | 157.4 | 145.7 | 139.0 | 135.6 | 132.7 | 128.6 |
| 62.5° | 230.7 | 256.1 | 236.2 | 195.9 | 161.8 | 142.4 | 132.2 | 125.6 | 123.0 | 121.6 | 118.0 |
| 65° | 189.1 | 211.0 | 197.7 | 164.7 | 138.1 | 121.0 | 111.7 | 107.1 | 104.7 | 104.1 | 101.8 |
| 67.5° | 153.9 | 170.6 | 160.9 | 136.6 | 115.7 | 100.9 | 93.0 | 89.1 | 87.2 | 87.0 | 85.3 |
| 70° | 130.9 | 146.4 | 139.0 | 117.0 | 99.0 | 87.4 | 80.6 | 77.1 | 76.0 | 75.8 | 74.8 |
| 72.5° | 112.9 | 123.8 | 117.9 | 99.5 | 85.6 | 75.1 | 70.0 | 66.4 | 65.2 | 65.5 | 64.8 |
| 75° | 83.6 | 91.7 | 88.3 | 75.6 | 64.4 | 57.6 | 53.4 | 51.1 | 50.0 | 50.5 | 49.7 |
| 77.5° | 60.2 | 65.3 | 62.2 | 53.4 | 46.5 | 41.6 | 38.5 | 37.1 | 36.0 | 36.0 | 35.7 |
| 80° | 45.4 | 48.4 | 46.7 | 41.4 | 35.7 | 31.6 | 29.0 | 28.1 | 27.6 | 27.3 | 27.1 |
| 82.5° | 32.4 | 34.9 | 32.9 | 29.3 | 25.4 | 22.8 | 21.4 | 20.2 | 19.8 | 19.9 | 19.7 |
| 85° | 16.3 | 17.3 | 16.6 | 14.3 | 12.7 | 11.6 | 10.8 | 10.3 | 9.9 | 10.0 | 9.7 |
| 87.5° | 9.2 | 8.8 | 7.7 | 6.8 | 6.1 | 5.1 | 4.7 | 4.0 | 4.1 | 4.5 | 4.9 |
| 90° | 18.0 | 15.2 | 12.3 | 10.4 | 8.6 | 5.7 | 3.8 | 1.9 | 3.8 | 5.7 | 8.6 |
| 92.5° | 120.3 | 79.6 | 54.8 | 40.8 | 32.8 | 25.4 | 17.4 | 11.7 | 17.4 | 25.4 | 32.8 |
| 95° | 344.8 | 203.7 | 123.1 | 86.2 | 61.6 | 45.5 | 35.1 | 32.2 | 35.1 | 45.5 | 61.6 |
| 97.5° | 378.3 | 219.2 | 142.3 | 102.3 | 78.0 | 64.0 | 55.8 | 55.0 | 55.8 | 64.0 | 78.0 |
| 100° | 357.1 | 217.0 | 150.6 | 113.7 | 90.9 | 77.7 | 71.0 | 70.1 | 71.0 | 77.7 | 90.9 |
| 102.5° | 338.9 | 220.0 | 160.5 | 126.5 | 106.1 | 93.6 | 87.7 | 86.0 | 87.7 | 93.6 | 106.1 |
| 105° | 325.9 | 228.3 | 177.2 | 147.7 | 129.8 | 118.4 | 112.8 | 109.9 | 112.8 | 118.4 | 129.8 |
| 107.5° | 324.9 | 243.9 | 198.9 | 171.6 | 154.7 | 143.6 | 138.1 | 135.3 | 138.1 | 143.6 | 154.7 |
| 110° | 328.7 | 256.7 | 214.1 | 187.5 | 171.5 | 161.0 | 156.3 | 153.4 | 156.3 | 161.0 | 171.5 |



TEST NUMBER: P331903-930

CATALOG NUMBER: S123DIP-S340D1195U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 336.3 | 269.6 | 230.0 | 204.2 | 188.1 | 177.7 | 173.0 | 170.2 | 173.0 | 177.7 | 188.1 |
| 115° | 348.6 | 290.8 | 254.8 | 229.3 | 213.1 | 203.7 | 198.0 | 194.2 | 198.0 | 203.7 | 213.1 |
| 117.5° | 364.8 | 313.3 | 277.8 | 254.0 | 236.0 | 227.3 | 222.6 | 218.3 | 222.6 | 227.3 | 236.0 |
| 120° | 377.0 | 327.8 | 293.7 | 269.9 | 252.0 | 242.5 | 237.7 | 234.9 | 237.7 | 242.5 | 252.0 |
| 122.5° | 388.4 | 342.9 | 309.6 | 284.4 | 267.1 | 256.9 | 252.2 | 249.3 | 252.2 | 256.9 | 267.1 |
| 125° | 406.3 | 364.7 | 331.5 | 306.0 | 288.0 | 277.5 | 271.9 | 269.9 | 271.9 | 277.5 | 288.0 |
| 127.5° | 421.2 | 383.6 | 351.6 | 326.0 | 306.1 | 295.5 | 288.5 | 285.7 | 288.5 | 295.5 | 306.1 |
| 130° | 431.0 | 395.0 | 363.7 | 338.2 | 318.3 | 306.9 | 298.4 | 295.5 | 298.4 | 306.9 | 318.3 |
| 132.5° | 440.1 | 404.9 | 374.4 | 349.5 | 329.6 | 316.0 | 306.7 | 303.1 | 306.7 | 316.0 | 329.6 |
| 135° | 451.8 | 419.6 | 390.3 | 364.7 | 344.8 | 330.6 | 320.2 | 316.4 | 320.2 | 330.6 | 344.8 |
| 137.5° | 460.6 | 429.8 | 401.6 | 378.0 | 358.2 | 343.1 | 332.9 | 328.9 | 332.9 | 343.1 | 358.2 |
| 140° | 465.1 | 436.7 | 409.2 | 385.6 | 366.6 | 351.4 | 341.9 | 337.2 | 341.9 | 351.4 | 366.6 |
| 142.5° | 469.6 | 442.0 | 415.3 | 393.1 | 374.1 | 360.5 | 350.3 | 346.3 | 350.3 | 360.5 | 374.1 |
| 145° | 474.6 | 449.0 | 424.4 | 402.6 | 386.5 | 372.3 | 363.7 | 360.9 | 363.7 | 372.3 | 386.5 |
| 147.5° | 477.6 | 454.7 | 432.1 | 413.6 | 398.0 | 385.7 | 377.4 | 375.7 | 377.4 | 385.7 | 398.0 |
| 150° | 478.3 | 458.4 | 436.7 | 419.6 | 406.3 | 394.0 | 386.5 | 385.6 | 386.5 | 394.0 | 406.3 |
| 152.5° | 479.9 | 460.7 | 442.0 | 425.7 | 413.9 | 403.2 | 395.6 | 395.4 | 395.6 | 403.2 | 413.9 |
| 155° | 480.3 | 465.1 | 449.0 | 435.7 | 425.3 | 415.9 | 410.2 | 410.2 | 410.2 | 415.9 | 425.3 |
| 157.5° | 481.2 | 467.6 | 454.7 | 444.4 | 435.5 | 427.2 | 422.7 | 421.9 | 422.7 | 427.2 | 435.5 |
| 160° | 481.2 | 469.9 | 458.4 | 449.0 | 442.4 | 434.8 | 431.0 | 431.0 | 431.0 | 434.8 | 442.4 |
| 162.5° | 480.5 | 470.6 | 460.7 | 452.8 | 446.9 | 440.8 | 437.8 | 437.8 | 437.8 | 440.8 | 446.9 |
| 165° | 478.3 | 471.7 | 464.1 | 457.5 | 453.7 | 449.0 | 447.1 | 448.1 | 447.1 | 449.0 | 453.7 |
| 167.5° | 476.9 | 471.6 | 466.0 | 461.9 | 459.3 | 455.6 | 454.7 | 455.8 | 454.7 | 455.6 | 459.3 |
| 170° | 474.6 | 470.8 | 466.0 | 464.1 | 462.3 | 459.4 | 458.4 | 460.4 | 458.4 | 459.4 | 462.3 |
| 172.5° | 473.9 | 470.8 | 466.8 | 465.7 | 464.6 | 462.4 | 462.3 | 463.4 | 462.3 | 462.4 | 464.6 |
| 175° | 471.7 | 469.9 | 468.0 | 467.0 | 467.0 | 465.1 | 466.0 | 467.0 | 466.0 | 465.1 | 467.0 |
| 177.5° | 470.2 | 468.7 | 468.0 | 468.0 | 468.0 | 467.2 | 468.0 | 468.7 | 468.0 | 467.2 | 468.0 |
| 180° | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 |



TEST NUMBER: P331903-930

CATALOG NUMBER: S123DIP-S340D1195U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 0° | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 |
| 2.5° | 385.5 | 384.4 | 382.9 | 380.7 | 378.8 | 375.9 | 375.9 | 376.3 | 376.3 | 376.3 | 375.9 |
| 5° | 373.8 | 371.0 | 367.5 | 363.5 | 359.4 | 355.1 | 354.4 | 352.9 | 351.8 | 351.0 | 350.1 |
| 7.5° | 361.4 | 356.4 | 351.4 | 345.8 | 340.7 | 336.6 | 333.6 | 331.2 | 329.6 | 327.9 | 326.7 |
| 10° | 353.1 | 346.8 | 341.0 | 335.1 | 328.6 | 323.4 | 320.2 | 318.0 | 316.3 | 314.7 | 314.0 |
| 12.5° | 343.2 | 336.1 | 329.5 | 323.9 | 316.9 | 311.6 | 308.5 | 307.4 | 305.5 | 302.2 | 300.6 |
| 15° | 328.8 | 322.1 | 314.4 | 305.8 | 302.4 | 296.0 | 292.3 | 290.6 | 289.4 | 287.0 | 286.3 |
| 17.5° | 316.4 | 307.8 | 299.0 | 292.6 | 286.3 | 281.0 | 279.0 | 276.9 | 275.4 | 273.4 | 272.7 |
| 20° | 306.6 | 298.8 | 290.8 | 284.0 | 277.3 | 271.6 | 269.9 | 268.4 | 266.8 | 266.0 | 265.1 |
| 22.5° | 296.5 | 288.8 | 282.1 | 275.7 | 268.6 | 264.9 | 263.1 | 261.4 | 260.3 | 259.7 | 258.9 |
| 25° | 282.4 | 275.6 | 268.2 | 262.5 | 256.8 | 254.3 | 253.2 | 252.3 | 251.4 | 250.5 | 250.3 |
| 27.5° | 269.9 | 262.4 | 256.4 | 251.0 | 247.0 | 244.9 | 243.8 | 243.4 | 243.5 | 243.9 | 244.1 |
| 30° | 260.4 | 253.6 | 248.7 | 244.1 | 240.3 | 238.4 | 238.1 | 238.1 | 239.0 | 239.1 | 239.5 |
| 32.5° | 251.8 | 246.1 | 241.2 | 236.8 | 233.9 | 232.6 | 233.3 | 233.3 | 233.9 | 234.4 | 235.1 |
| 35° | 239.1 | 234.2 | 230.4 | 226.6 | 224.1 | 224.7 | 225.1 | 225.4 | 226.4 | 227.6 | 228.3 |
| 37.5° | 227.1 | 222.8 | 218.8 | 215.9 | 214.7 | 215.7 | 216.7 | 217.4 | 218.6 | 219.5 | 220.2 |
| 40° | 218.4 | 215.2 | 211.4 | 208.7 | 209.1 | 209.7 | 210.4 | 211.4 | 212.4 | 213.0 | 213.7 |
| 42.5° | 210.3 | 207.0 | 204.1 | 201.9 | 202.4 | 203.2 | 203.6 | 204.1 | 205.2 | 206.3 | 206.7 |
| 45° | 198.1 | 195.4 | 192.8 | 191.4 | 191.8 | 192.2 | 192.6 | 193.1 | 194.1 | 194.9 | 195.1 |
| 47.5° | 184.3 | 182.5 | 180.7 | 179.4 | 180.0 | 179.9 | 180.3 | 181.6 | 181.8 | 182.3 | 183.4 |
| 50° | 175.5 | 173.8 | 171.7 | 171.3 | 171.3 | 171.3 | 171.5 | 173.0 | 173.0 | 173.8 | 174.6 |
| 52.5° | 165.8 | 164.7 | 163.4 | 162.7 | 162.3 | 162.3 | 163.1 | 163.9 | 164.2 | 165.3 | 166.1 |
| 55° | 151.4 | 150.3 | 149.1 | 148.5 | 148.1 | 148.5 | 150.0 | 150.4 | 151.4 | 152.0 | 152.5 |
| 57.5° | 136.4 | 135.5 | 134.6 | 134.3 | 134.2 | 134.7 | 135.5 | 136.6 | 136.9 | 138.7 | 139.5 |
| 60° | 126.5 | 125.1 | 124.4 | 124.4 | 124.0 | 125.7 | 125.4 | 127.3 | 127.7 | 128.8 | 130.1 |
| 62.5° | 116.3 | 114.5 | 114.2 | 114.2 | 114.8 | 115.3 | 115.8 | 116.6 | 117.6 | 119.0 | 120.1 |
| 65° | 99.9 | 99.0 | 100.3 | 100.1 | 99.7 | 100.9 | 100.9 | 101.8 | 103.0 | 104.3 | 106.4 |
| 67.5° | 84.4 | 83.9 | 84.0 | 84.0 | 84.5 | 85.2 | 85.8 | 86.6 | 88.0 | 89.4 | 90.7 |
| 70° | 73.9 | 74.4 | 73.5 | 74.3 | 74.8 | 75.0 | 75.4 | 76.6 | 78.0 | 79.0 | 80.6 |
| 72.5° | 63.7 | 63.7 | 63.8 | 64.1 | 64.7 | 65.0 | 65.4 | 66.7 | 68.3 | 69.1 | 70.4 |
| 75° | 49.0 | 48.8 | 49.4 | 49.4 | 50.3 | 50.7 | 51.1 | 51.7 | 53.2 | 54.3 | 55.3 |
| 77.5° | 35.8 | 36.0 | 35.9 | 36.5 | 36.3 | 36.4 | 37.5 | 38.1 | 38.2 | 40.5 | 41.0 |
| 80° | 27.0 | 27.3 | 27.6 | 27.7 | 27.9 | 27.6 | 28.9 | 29.4 | 29.4 | 30.7 | 31.7 |
| 82.5° | 19.4 | 19.6 | 20.1 | 20.3 | 20.3 | 20.7 | 20.8 | 21.2 | 21.7 | 22.3 | 23.5 |
| 85° | 9.7 | 10.3 | 10.4 | 10.3 | 10.4 | 10.0 | 10.6 | 10.8 | 11.0 | 11.0 | 11.0 |
| 87.5° | 5.1 | 5.6 | 6.0 | 6.8 | 7.2 | 7.9 | 7.7 | 7.7 | 7.8 | 8.5 | 8.2 |
| 90° | 10.4 | 12.3 | 15.2 | 18.0 | 20.9 | 23.6 | 22.7 | 23.6 | 24.6 | 25.6 | 27.5 |
| 92.5° | 40.8 | 54.8 | 79.6 | 120.3 | 160.3 | 145.7 | 109.9 | 79.7 | 63.3 | 55.8 | 51.0 |
| 95° | 86.2 | 123.1 | 203.7 | 344.8 | 500.2 | 561.7 | 455.6 | 341.0 | 231.1 | 180.9 | 146.8 |
| 97.5° | 102.3 | 142.3 | 219.2 | 378.3 | 637.3 | 870.5 | 931.3 | 850.0 | 680.9 | 558.7 | 445.4 |
| 100° | 113.7 | 150.6 | 217.0 | 357.1 | 606.3 | 897.1 | 1083.7 | 1116.8 | 1040.1 | 929.3 | 794.8 |
| 102.5° | 126.5 | 160.5 | 220.0 | 338.9 | 560.8 | 847.8 | 1091.2 | 1205.5 | 1203.0 | 1138.4 | 1053.1 |
| 105° | 147.7 | 177.2 | 228.3 | 325.9 | 504.9 | 761.6 | 1033.5 | 1231.4 | 1326.2 | 1344.2 | 1319.6 |
| 107.5° | 171.6 | 198.9 | 243.9 | 324.9 | 469.3 | 685.4 | 932.3 | 1156.7 | 1310.6 | 1393.6 | 1427.3 |
| 110° | 187.5 | 214.1 | 256.7 | 328.7 | 455.6 | 642.2 | 868.6 | 1085.6 | 1259.9 | 1379.2 | 1445.5 |



TEST NUMBER: P331903-930

CATALOG NUMBER: S123DIP-S340D1195U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 112.5° | 204.2 | 230.0 | 269.6 | 336.3 | 448.1 | 613.4 | 813.3 | 1015.0 | 1193.2 | 1326.9 | 1412.2 |
| 115° | 229.3 | 254.8 | 290.8 | 348.6 | 445.2 | 582.5 | 746.4 | 921.7 | 1086.5 | 1225.7 | 1329.0 |
| 117.5° | 254.0 | 277.8 | 313.3 | 364.8 | 446.9 | 564.4 | 706.0 | 854.0 | 996.3 | 1121.4 | 1226.1 |
| 120° | 269.9 | 293.7 | 327.8 | 377.0 | 450.0 | 556.0 | 684.9 | 818.4 | 946.3 | 1060.0 | 1155.7 |
| 122.5° | 284.4 | 309.6 | 342.9 | 388.4 | 455.3 | 550.7 | 667.4 | 790.4 | 906.1 | 1011.5 | 1100.3 |
| 125° | 306.0 | 331.5 | 364.7 | 406.3 | 463.2 | 543.7 | 645.1 | 753.1 | 856.3 | 947.2 | 1023.0 |
| 127.5° | 326.0 | 351.6 | 383.6 | 421.2 | 472.3 | 540.3 | 625.4 | 720.5 | 812.5 | 894.5 | 963.5 |
| 130° | 338.2 | 363.7 | 395.0 | 431.0 | 478.3 | 538.0 | 614.7 | 700.0 | 785.3 | 862.0 | 926.4 |
| 132.5° | 349.5 | 374.4 | 404.9 | 440.1 | 482.9 | 537.3 | 605.0 | 681.1 | 759.5 | 831.0 | 892.3 |
| 135° | 364.7 | 390.3 | 419.6 | 451.8 | 489.8 | 536.1 | 592.1 | 655.5 | 722.8 | 784.3 | 838.3 |
| 137.5° | 378.0 | 401.6 | 429.8 | 460.6 | 494.3 | 534.0 | 580.8 | 632.2 | 687.3 | 740.4 | 787.2 |
| 140° | 385.6 | 409.2 | 436.7 | 465.1 | 497.3 | 533.3 | 574.1 | 618.6 | 666.8 | 712.3 | 753.1 |
| 142.5° | 393.1 | 415.3 | 442.0 | 469.6 | 499.6 | 531.8 | 567.9 | 605.7 | 647.2 | 686.6 | 722.0 |
| 145° | 402.6 | 424.4 | 449.0 | 474.6 | 501.1 | 529.5 | 559.9 | 590.1 | 621.4 | 651.8 | 679.1 |
| 147.5° | 413.6 | 432.1 | 454.7 | 477.6 | 501.1 | 525.9 | 551.9 | 577.5 | 602.3 | 626.7 | 646.2 |
| 150° | 419.6 | 436.7 | 458.4 | 478.3 | 501.1 | 522.9 | 546.6 | 568.3 | 590.1 | 610.0 | 628.0 |
| 152.5° | 425.7 | 442.0 | 460.7 | 479.9 | 498.8 | 519.1 | 540.5 | 560.0 | 578.8 | 596.4 | 611.4 |
| 155° | 435.7 | 449.0 | 465.1 | 480.3 | 496.4 | 512.5 | 531.4 | 547.5 | 562.6 | 576.9 | 588.2 |
| 157.5° | 444.4 | 454.7 | 467.6 | 481.2 | 493.2 | 506.6 | 521.1 | 534.3 | 547.0 | 557.9 | 566.8 |
| 160° | 449.0 | 458.4 | 469.9 | 481.2 | 491.6 | 502.1 | 514.4 | 526.7 | 537.1 | 546.6 | 553.2 |
| 162.5° | 452.8 | 460.7 | 470.6 | 480.5 | 488.6 | 497.5 | 507.5 | 517.6 | 526.5 | 535.2 | 541.0 |
| 165° | 457.5 | 464.1 | 471.7 | 478.3 | 484.0 | 490.6 | 498.2 | 505.8 | 511.5 | 518.1 | 522.9 |
| 167.5° | 461.9 | 466.0 | 471.6 | 476.9 | 479.5 | 483.9 | 489.3 | 495.6 | 499.9 | 503.8 | 507.2 |
| 170° | 464.1 | 466.0 | 470.8 | 474.6 | 476.5 | 479.3 | 484.0 | 488.8 | 491.6 | 495.4 | 497.3 |
| 172.5° | 465.7 | 466.8 | 470.8 | 473.9 | 474.2 | 475.5 | 478.7 | 482.7 | 484.8 | 487.9 | 488.9 |
| 175° | 467.0 | 468.0 | 469.9 | 471.7 | 470.8 | 470.8 | 472.7 | 474.6 | 475.5 | 477.4 | 477.4 |
| 177.5° | 468.0 | 468.0 | 468.7 | 470.2 | 468.7 | 468.0 | 468.7 | 469.4 | 470.2 | 471.0 | 471.0 |
| 180° | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 |



TEST NUMBER: P331903-930

CATALOG NUMBER: S123DIP-S340D1195U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 |
| 2.5° | 374.9 | 374.7 | 375.8 | 375.0 | 375.8 | 374.7 | 374.9 | 375.9 | 376.3 | 376.3 | 376.3 |
| 5° | 348.9 | 349.5 | 347.6 | 347.6 | 347.6 | 349.5 | 348.9 | 350.1 | 351.0 | 351.8 | 352.9 |
| 7.5° | 325.8 | 325.0 | 325.1 | 324.0 | 325.1 | 325.0 | 325.8 | 326.7 | 327.9 | 329.6 | 331.2 |
| 10° | 311.7 | 310.5 | 310.1 | 310.4 | 310.1 | 310.5 | 311.7 | 314.0 | 314.7 | 316.3 | 318.0 |
| 12.5° | 299.9 | 299.8 | 297.3 | 297.3 | 297.3 | 299.8 | 299.9 | 300.6 | 302.2 | 305.5 | 307.4 |
| 15° | 286.3 | 282.7 | 282.3 | 283.4 | 282.3 | 282.7 | 286.3 | 286.3 | 287.0 | 289.4 | 290.6 |
| 17.5° | 272.5 | 270.5 | 270.7 | 270.1 | 270.7 | 270.5 | 272.5 | 272.7 | 273.4 | 275.4 | 276.9 |
| 20° | 265.1 | 264.0 | 263.8 | 262.5 | 263.8 | 264.0 | 265.1 | 265.1 | 266.0 | 266.8 | 268.4 |
| 22.5° | 258.4 | 258.1 | 258.2 | 256.7 | 258.2 | 258.1 | 258.4 | 258.9 | 259.7 | 260.3 | 261.4 |
| 25° | 250.1 | 251.1 | 250.3 | 250.3 | 250.3 | 251.1 | 250.1 | 250.3 | 250.5 | 251.4 | 252.3 |
| 27.5° | 244.5 | 244.5 | 244.1 | 244.1 | 244.1 | 244.5 | 244.5 | 244.1 | 243.9 | 243.5 | 243.4 |
| 30° | 240.3 | 240.1 | 240.4 | 240.4 | 240.4 | 240.1 | 240.3 | 239.5 | 239.1 | 239.0 | 238.1 |
| 32.5° | 236.0 | 236.3 | 236.4 | 236.5 | 236.4 | 236.3 | 236.0 | 235.1 | 234.4 | 233.9 | 233.3 |
| 35° | 229.4 | 229.7 | 230.2 | 229.8 | 230.2 | 229.7 | 229.4 | 228.3 | 227.6 | 226.4 | 225.4 |
| 37.5° | 220.5 | 221.4 | 221.3 | 221.5 | 221.3 | 221.4 | 220.5 | 220.2 | 219.5 | 218.6 | 217.4 |
| 40° | 213.9 | 214.4 | 214.3 | 214.3 | 214.3 | 214.4 | 213.9 | 213.7 | 213.0 | 212.4 | 211.4 |
| 42.5° | 207.0 | 207.4 | 206.9 | 206.7 | 206.9 | 207.4 | 207.0 | 206.7 | 206.3 | 205.2 | 204.1 |
| 45° | 195.8 | 195.4 | 196.0 | 195.3 | 196.0 | 195.4 | 195.8 | 195.1 | 194.9 | 194.1 | 193.1 |
| 47.5° | 183.3 | 183.7 | 183.8 | 184.4 | 183.8 | 183.7 | 183.3 | 183.4 | 182.3 | 181.8 | 181.6 |
| 50° | 175.0 | 176.1 | 176.1 | 175.9 | 176.1 | 176.1 | 175.0 | 174.6 | 173.8 | 173.0 | 173.0 |
| 52.5° | 166.7 | 167.2 | 168.0 | 168.0 | 168.0 | 167.2 | 166.7 | 166.1 | 165.3 | 164.2 | 163.9 |
| 55° | 154.0 | 154.4 | 154.8 | 155.0 | 154.8 | 154.4 | 154.0 | 152.5 | 152.0 | 151.4 | 150.4 |
| 57.5° | 140.9 | 140.7 | 141.6 | 141.9 | 141.6 | 140.7 | 140.9 | 139.5 | 138.7 | 136.9 | 136.6 |
| 60° | 131.6 | 131.6 | 133.1 | 133.7 | 133.1 | 131.6 | 131.6 | 130.1 | 128.8 | 127.7 | 127.3 |
| 62.5° | 121.7 | 122.4 | 123.8 | 123.1 | 123.8 | 122.4 | 121.7 | 120.1 | 119.0 | 117.6 | 116.6 |
| 65° | 107.3 | 108.8 | 108.7 | 109.4 | 108.7 | 108.8 | 107.3 | 106.4 | 104.3 | 103.0 | 101.8 |
| 67.5° | 92.2 | 93.2 | 94.6 | 94.7 | 94.6 | 93.2 | 92.2 | 90.7 | 89.4 | 88.0 | 86.6 |
| 70° | 82.0 | 83.0 | 83.7 | 84.3 | 83.7 | 83.0 | 82.0 | 80.6 | 79.0 | 78.0 | 76.6 |
| 72.5° | 72.2 | 72.6 | 74.5 | 73.7 | 74.5 | 72.6 | 72.2 | 70.4 | 69.1 | 68.3 | 66.7 |
| 75° | 56.6 | 58.0 | 59.1 | 58.5 | 59.1 | 58.0 | 56.6 | 55.3 | 54.3 | 53.2 | 51.7 |
| 77.5° | 41.8 | 43.2 | 43.7 | 43.2 | 43.7 | 43.2 | 41.8 | 41.0 | 40.5 | 38.2 | 38.1 |
| 80° | 33.0 | 32.9 | 34.0 | 33.8 | 34.0 | 32.9 | 33.0 | 31.7 | 30.7 | 29.4 | 29.4 |
| 82.5° | 24.2 | 24.1 | 24.5 | 24.7 | 24.5 | 24.1 | 24.2 | 23.5 | 22.3 | 21.7 | 21.2 |
| 85° | 11.7 | 12.3 | 11.6 | 11.4 | 11.6 | 12.3 | 11.7 | 11.0 | 11.0 | 11.0 | 10.8 |
| 87.5° | 8.1 | 8.2 | 8.2 | 7.9 | 8.2 | 8.2 | 8.1 | 8.2 | 8.5 | 7.8 | 7.7 |
| 90° | 26.5 | 27.5 | 28.5 | 27.5 | 28.5 | 27.5 | 26.5 | 27.5 | 25.6 | 24.6 | 23.6 |
| 92.5° | 49.2 | 46.4 | 47.4 | 45.7 | 47.4 | 46.4 | 49.2 | 51.0 | 55.8 | 63.3 | 79.7 |
| 95° | 128.8 | 120.3 | 113.7 | 109.9 | 113.7 | 120.3 | 128.8 | 146.8 | 180.9 | 231.1 | 341.0 |
| 97.5° | 375.5 | 332.9 | 307.3 | 299.1 | 307.3 | 332.9 | 375.5 | 445.4 | 558.7 | 680.9 | 850.0 |
| 100° | 699.0 | 629.9 | 593.0 | 593.9 | 593.0 | 629.9 | 699.0 | 794.8 | 929.3 | 1040.1 | 1116.8 |
| 102.5° | 978.7 | 924.0 | 893.1 | 871.3 | 893.1 | 924.0 | 978.7 | 1053.1 | 1138.4 | 1203.0 | 1205.5 |
| 105° | 1275.9 | 1240.0 | 1209.7 | 1204.9 | 1209.7 | 1240.0 | 1275.9 | 1319.6 | 1344.2 | 1326.2 | 1231.4 |
| 107.5° | 1428.1 | 1415.9 | 1405.7 | 1397.0 | 1405.7 | 1415.9 | 1428.1 | 1427.3 | 1393.6 | 1310.6 | 1156.7 |
| 110° | 1472.0 | 1479.6 | 1477.7 | 1475.9 | 1477.7 | 1479.6 | 1472.0 | 1445.5 | 1379.2 | 1259.9 | 1085.6 |



TEST NUMBER: P331903-930

CATALOG NUMBER: S123DIP-S340D1195U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1460.7 | 1484.2 | 1491.3 | 1491.8 | 1491.3 | 1484.2 | 1460.7 | 1412.2 | 1326.9 | 1193.2 | 1015.0 |
| 115° | 1400.0 | 1441.7 | 1460.7 | 1465.4 | 1460.7 | 1441.7 | 1400.0 | 1329.0 | 1225.7 | 1086.5 | 921.7 |
| 117.5° | 1300.2 | 1347.9 | 1375.2 | 1381.7 | 1375.2 | 1347.9 | 1300.2 | 1226.1 | 1121.4 | 996.3 | 854.0 |
| 120° | 1230.4 | 1283.5 | 1306.3 | 1312.0 | 1306.3 | 1283.5 | 1230.4 | 1155.7 | 1060.0 | 946.3 | 818.4 |
| 122.5° | 1166.9 | 1214.6 | 1239.6 | 1246.8 | 1239.6 | 1214.6 | 1166.9 | 1100.3 | 1011.5 | 906.1 | 790.4 |
| 125° | 1083.7 | 1125.4 | 1149.0 | 1155.7 | 1149.0 | 1125.4 | 1083.7 | 1023.0 | 947.2 | 856.3 | 753.1 |
| 127.5° | 1017.6 | 1053.1 | 1074.6 | 1080.6 | 1074.6 | 1053.1 | 1017.6 | 963.5 | 894.5 | 812.5 | 720.5 |
| 130° | 976.6 | 1010.7 | 1030.6 | 1038.2 | 1030.6 | 1010.7 | 976.6 | 926.4 | 862.0 | 785.3 | 700.0 |
| 132.5° | 939.5 | 973.5 | 991.2 | 996.5 | 991.2 | 973.5 | 939.5 | 892.3 | 831.0 | 759.5 | 681.1 |
| 135° | 884.8 | 913.1 | 930.2 | 936.9 | 930.2 | 913.1 | 884.8 | 838.3 | 784.3 | 722.8 | 655.5 |
| 137.5° | 826.2 | 855.0 | 869.4 | 873.8 | 869.4 | 855.0 | 826.2 | 787.2 | 740.4 | 687.3 | 632.2 |
| 140° | 789.0 | 815.6 | 830.7 | 829.8 | 830.7 | 815.6 | 789.0 | 753.1 | 712.3 | 666.8 | 618.6 |
| 142.5° | 752.7 | 776.2 | 789.8 | 788.9 | 789.8 | 776.2 | 752.7 | 722.0 | 686.6 | 647.2 | 605.7 |
| 145° | 702.9 | 722.8 | 730.3 | 732.2 | 730.3 | 722.8 | 702.9 | 679.1 | 651.8 | 621.4 | 590.1 |
| 147.5° | 664.2 | 677.7 | 684.9 | 685.6 | 684.9 | 677.7 | 664.2 | 646.2 | 626.7 | 602.3 | 577.5 |
| 150° | 642.2 | 652.6 | 658.4 | 658.4 | 658.4 | 652.6 | 642.2 | 628.0 | 610.0 | 590.1 | 568.3 |
| 152.5° | 622.6 | 632.2 | 635.6 | 635.6 | 635.6 | 632.2 | 622.6 | 611.4 | 596.4 | 578.8 | 560.0 |
| 155° | 596.8 | 604.4 | 606.3 | 607.2 | 606.3 | 604.4 | 596.8 | 588.2 | 576.9 | 562.6 | 547.5 |
| 157.5° | 574.2 | 579.9 | 581.4 | 581.2 | 581.4 | 579.9 | 574.2 | 566.8 | 557.9 | 547.0 | 534.3 |
| 160° | 559.9 | 565.5 | 565.5 | 564.6 | 565.5 | 565.5 | 559.9 | 553.2 | 546.6 | 537.1 | 526.7 |
| 162.5° | 545.4 | 550.3 | 550.3 | 549.4 | 550.3 | 550.3 | 545.4 | 541.0 | 535.2 | 526.5 | 517.6 |
| 165° | 526.7 | 530.4 | 529.5 | 529.5 | 529.5 | 530.4 | 526.7 | 522.9 | 518.1 | 511.5 | 505.8 |
| 167.5° | 508.8 | 511.5 | 510.5 | 510.5 | 510.5 | 511.5 | 508.8 | 507.2 | 503.8 | 499.9 | 495.6 |
| 170° | 498.2 | 500.2 | 499.2 | 499.2 | 499.2 | 500.2 | 498.2 | 497.3 | 495.4 | 491.6 | 488.8 |
| 172.5° | 489.2 | 491.1 | 489.3 | 488.6 | 489.3 | 491.1 | 489.2 | 488.9 | 487.9 | 484.8 | 482.7 |
| 175° | 477.4 | 478.3 | 477.4 | 476.5 | 477.4 | 478.3 | 477.4 | 477.4 | 477.4 | 475.5 | 474.6 |
| 177.5° | 470.2 | 471.0 | 469.4 | 469.4 | 469.4 | 471.0 | 470.2 | 471.0 | 471.0 | 470.2 | 469.4 |
| 180° | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 |



TEST NUMBER: P331903-930

CATALOG NUMBER: S123DIP-S340D1195U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 |
| 2.5° | 375.9 | 375.9 | 378.8 | 380.7 | 382.9 | 384.4 | 385.5 | 386.5 | 388.4 | 390.8 | 393.5 |
| 5° | 354.4 | 355.1 | 359.4 | 363.5 | 367.5 | 371.0 | 373.8 | 377.2 | 381.4 | 386.5 | 392.2 |
| 7.5° | 333.6 | 336.6 | 340.7 | 345.8 | 351.4 | 356.4 | 361.4 | 367.0 | 373.0 | 380.5 | 388.5 |
| 10° | 320.2 | 323.4 | 328.6 | 335.1 | 341.0 | 346.8 | 353.1 | 359.1 | 366.6 | 375.5 | 385.8 |
| 12.5° | 308.5 | 311.6 | 316.9 | 323.9 | 329.5 | 336.1 | 343.2 | 351.1 | 359.5 | 370.1 | 381.8 |
| 15° | 292.3 | 296.0 | 302.4 | 305.8 | 314.4 | 322.1 | 328.8 | 340.1 | 350.8 | 361.8 | 375.3 |
| 17.5° | 279.0 | 281.0 | 286.3 | 292.6 | 299.0 | 307.8 | 316.4 | 326.0 | 336.6 | 350.0 | 366.9 |
| 20° | 269.9 | 271.6 | 277.3 | 284.0 | 290.8 | 298.8 | 306.6 | 316.1 | 328.0 | 342.3 | 360.5 |
| 22.5° | 263.1 | 264.9 | 268.6 | 275.7 | 282.1 | 288.8 | 296.5 | 307.9 | 320.6 | 334.5 | 354.2 |
| 25° | 253.2 | 254.3 | 256.8 | 262.5 | 268.2 | 275.6 | 282.4 | 293.1 | 306.1 | 322.5 | 342.3 |
| 27.5° | 243.8 | 244.9 | 247.0 | 251.0 | 256.4 | 262.4 | 269.9 | 278.8 | 292.1 | 309.9 | 330.8 |
| 30° | 238.1 | 238.4 | 240.3 | 244.1 | 248.7 | 253.6 | 260.4 | 270.7 | 283.2 | 301.3 | 323.3 |
| 32.5° | 233.3 | 232.6 | 233.9 | 236.8 | 241.2 | 246.1 | 251.8 | 261.9 | 273.9 | 291.6 | 314.3 |
| 35° | 225.1 | 224.7 | 224.1 | 226.6 | 230.4 | 234.2 | 239.1 | 246.7 | 260.4 | 277.0 | 300.7 |
| 37.5° | 216.7 | 215.7 | 214.7 | 215.9 | 218.8 | 222.8 | 227.1 | 233.8 | 245.6 | 263.8 | 286.6 |
| 40° | 210.4 | 209.7 | 209.1 | 208.7 | 211.4 | 215.2 | 218.4 | 224.9 | 235.9 | 253.2 | 275.6 |
| 42.5° | 203.6 | 203.2 | 202.4 | 201.9 | 204.1 | 207.0 | 210.3 | 216.1 | 227.1 | 243.3 | 264.5 |
| 45° | 192.6 | 192.2 | 191.8 | 191.4 | 192.8 | 195.4 | 198.1 | 202.3 | 211.8 | 227.6 | 246.7 |
| 47.5° | 180.3 | 179.9 | 180.0 | 179.4 | 180.7 | 182.5 | 184.3 | 188.8 | 197.9 | 210.7 | 224.7 |
| 50° | 171.5 | 171.3 | 171.3 | 171.3 | 171.7 | 173.8 | 175.5 | 179.0 | 187.3 | 200.0 | 210.1 |
| 52.5° | 163.1 | 162.3 | 162.3 | 162.7 | 163.4 | 164.7 | 165.8 | 169.5 | 176.8 | 187.3 | 196.4 |
| 55° | 150.0 | 148.5 | 148.1 | 148.5 | 149.1 | 150.3 | 151.4 | 154.4 | 160.7 | 168.4 | 173.8 |
| 57.5° | 135.5 | 134.7 | 134.2 | 134.3 | 134.6 | 135.5 | 136.4 | 139.7 | 144.6 | 148.7 | 152.1 |
| 60° | 125.4 | 125.7 | 124.0 | 124.4 | 124.4 | 125.1 | 126.5 | 128.6 | 132.7 | 135.6 | 139.0 |
| 62.5° | 115.8 | 115.3 | 114.8 | 114.2 | 114.2 | 114.5 | 116.3 | 118.0 | 121.6 | 123.0 | 125.6 |
| 65° | 100.9 | 100.9 | 99.7 | 100.1 | 100.3 | 99.0 | 99.9 | 101.8 | 104.1 | 104.7 | 107.1 |
| 67.5° | 85.8 | 85.2 | 84.5 | 84.0 | 84.0 | 83.9 | 84.4 | 85.3 | 87.0 | 87.2 | 89.1 |
| 70° | 75.4 | 75.0 | 74.8 | 74.3 | 73.5 | 74.4 | 73.9 | 74.8 | 75.8 | 76.0 | 77.1 |
| 72.5° | 65.4 | 65.0 | 64.7 | 64.1 | 63.8 | 63.7 | 63.7 | 64.8 | 65.5 | 65.2 | 66.4 |
| 75° | 51.1 | 50.7 | 50.3 | 49.4 | 49.4 | 48.8 | 49.0 | 49.7 | 50.5 | 50.0 | 51.1 |
| 77.5° | 37.5 | 36.4 | 36.3 | 36.5 | 35.9 | 36.0 | 35.8 | 35.7 | 36.0 | 36.0 | 37.1 |
| 80° | 28.9 | 27.6 | 27.9 | 27.7 | 27.6 | 27.3 | 27.0 | 27.1 | 27.3 | 27.6 | 28.1 |
| 82.5° | 20.8 | 20.7 | 20.3 | 20.3 | 20.1 | 19.6 | 19.4 | 19.7 | 19.9 | 19.8 | 20.2 |
| 85° | 10.6 | 10.0 | 10.4 | 10.3 | 10.4 | 10.3 | 9.7 | 9.7 | 10.0 | 9.9 | 10.3 |
| 87.5° | 7.7 | 7.9 | 7.2 | 6.8 | 6.0 | 5.6 | 5.1 | 4.9 | 4.5 | 4.1 | 4.0 |
| 90° | 22.7 | 23.6 | 20.9 | 18.0 | 15.2 | 12.3 | 10.4 | 8.6 | 5.7 | 3.8 | 1.9 |
| 92.5° | 109.9 | 145.7 | 160.3 | 120.3 | 79.6 | 54.8 | 40.8 | 32.8 | 25.4 | 17.4 | 11.7 |
| 95° | 455.6 | 561.7 | 500.2 | 344.8 | 203.7 | 123.1 | 86.2 | 61.6 | 45.5 | 35.1 | 32.2 |
| 97.5° | 931.3 | 870.5 | 637.3 | 378.3 | 219.2 | 142.3 | 102.3 | 78.0 | 64.0 | 55.8 | 55.0 |
| 100° | 1083.7 | 897.1 | 606.3 | 357.1 | 217.0 | 150.6 | 113.7 | 90.9 | 77.7 | 71.0 | 70.1 |
| 102.5° | 1091.2 | 847.8 | 560.8 | 338.9 | 220.0 | 160.5 | 126.5 | 106.1 | 93.6 | 87.7 | 86.0 |
| 105° | 1033.5 | 761.6 | 504.9 | 325.9 | 228.3 | 177.2 | 147.7 | 129.8 | 118.4 | 112.8 | 109.9 |
| 107.5° | 932.3 | 685.4 | 469.3 | 324.9 | 243.9 | 198.9 | 171.6 | 154.7 | 143.6 | 138.1 | 135.3 |
| 110° | 868.6 | 642.2 | 455.6 | 328.7 | 256.7 | 214.1 | 187.5 | 171.5 | 161.0 | 156.3 | 153.4 |



TEST NUMBER: P331903-930

CATALOG NUMBER: S123DIP-S340D1195U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 813.3 | 613.4 | 448.1 | 336.3 | 269.6 | 230.0 | 204.2 | 188.1 | 177.7 | 173.0 | 170.2 |
| 115° | 746.4 | 582.5 | 445.2 | 348.6 | 290.8 | 254.8 | 229.3 | 213.1 | 203.7 | 198.0 | 194.2 |
| 117.5° | 706.0 | 564.4 | 446.9 | 364.8 | 313.3 | 277.8 | 254.0 | 236.0 | 227.3 | 222.6 | 218.3 |
| 120° | 684.9 | 556.0 | 450.0 | 377.0 | 327.8 | 293.7 | 269.9 | 252.0 | 242.5 | 237.7 | 234.9 |
| 122.5° | 667.4 | 550.7 | 455.3 | 388.4 | 342.9 | 309.6 | 284.4 | 267.1 | 256.9 | 252.2 | 249.3 |
| 125° | 645.1 | 543.7 | 463.2 | 406.3 | 364.7 | 331.5 | 306.0 | 288.0 | 277.5 | 271.9 | 269.9 |
| 127.5° | 625.4 | 540.3 | 472.3 | 421.2 | 383.6 | 351.6 | 326.0 | 306.1 | 295.5 | 288.5 | 285.7 |
| 130° | 614.7 | 538.0 | 478.3 | 431.0 | 395.0 | 363.7 | 338.2 | 318.3 | 306.9 | 298.4 | 295.5 |
| 132.5° | 605.0 | 537.3 | 482.9 | 440.1 | 404.9 | 374.4 | 349.5 | 329.6 | 316.0 | 306.7 | 303.1 |
| 135° | 592.1 | 536.1 | 489.8 | 451.8 | 419.6 | 390.3 | 364.7 | 344.8 | 330.6 | 320.2 | 316.4 |
| 137.5° | 580.8 | 534.0 | 494.3 | 460.6 | 429.8 | 401.6 | 378.0 | 358.2 | 343.1 | 332.9 | 328.9 |
| 140° | 574.1 | 533.3 | 497.3 | 465.1 | 436.7 | 409.2 | 385.6 | 366.6 | 351.4 | 341.9 | 337.2 |
| 142.5° | 567.9 | 531.8 | 499.6 | 469.6 | 442.0 | 415.3 | 393.1 | 374.1 | 360.5 | 350.3 | 346.3 |
| 145° | 559.9 | 529.5 | 501.1 | 474.6 | 449.0 | 424.4 | 402.6 | 386.5 | 372.3 | 363.7 | 360.9 |
| 147.5° | 551.9 | 525.9 | 501.1 | 477.6 | 454.7 | 432.1 | 413.6 | 398.0 | 385.7 | 377.4 | 375.7 |
| 150° | 546.6 | 522.9 | 501.1 | 478.3 | 458.4 | 436.7 | 419.6 | 406.3 | 394.0 | 386.5 | 385.6 |
| 152.5° | 540.5 | 519.1 | 498.8 | 479.9 | 460.7 | 442.0 | 425.7 | 413.9 | 403.2 | 395.6 | 395.4 |
| 155° | 531.4 | 512.5 | 496.4 | 480.3 | 465.1 | 449.0 | 435.7 | 425.3 | 415.9 | 410.2 | 410.2 |
| 157.5° | 521.1 | 506.6 | 493.2 | 481.2 | 467.6 | 454.7 | 444.4 | 435.5 | 427.2 | 422.7 | 421.9 |
| 160° | 514.4 | 502.1 | 491.6 | 481.2 | 469.9 | 458.4 | 449.0 | 442.4 | 434.8 | 431.0 | 431.0 |
| 162.5° | 507.5 | 497.5 | 488.6 | 480.5 | 470.6 | 460.7 | 452.8 | 446.9 | 440.8 | 437.8 | 437.8 |
| 165° | 498.2 | 490.6 | 484.0 | 478.3 | 471.7 | 464.1 | 457.5 | 453.7 | 449.0 | 447.1 | 448.1 |
| 167.5° | 489.3 | 483.9 | 479.5 | 476.9 | 471.6 | 466.0 | 461.9 | 459.3 | 455.6 | 454.7 | 455.8 |
| 170° | 484.0 | 479.3 | 476.5 | 474.6 | 470.8 | 466.0 | 464.1 | 462.3 | 459.4 | 458.4 | 460.4 |
| 172.5° | 478.7 | 475.5 | 474.2 | 473.9 | 470.8 | 466.8 | 465.7 | 464.6 | 462.4 | 462.3 | 463.4 |
| 175° | 472.7 | 470.8 | 470.8 | 471.7 | 469.9 | 468.0 | 467.0 | 467.0 | 465.1 | 466.0 | 467.0 |
| 177.5° | 468.7 | 468.0 | 468.7 | 470.2 | 468.7 | 468.0 | 468.0 | 468.0 | 467.2 | 468.0 | 468.7 |
| 180° | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 |



TEST NUMBER: P331903-930

CATALOG NUMBER: S123DIP-S340D1195U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 0° | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 |
| 2.5° | 394.4 | 395.3 | 397.8 | 399.7 | 401.8 | 403.0 | 404.1 | 405.1 | 406.3 | 406.6 | 411.0 |
| 5° | 396.2 | 400.0 | 406.7 | 411.6 | 417.7 | 424.3 | 428.8 | 431.0 | 436.5 | 441.0 | 450.1 |
| 7.5° | 395.7 | 403.8 | 413.8 | 424.3 | 435.4 | 445.7 | 454.7 | 465.4 | 472.9 | 484.3 | 495.5 |
| 10° | 395.3 | 406.1 | 419.0 | 432.3 | 447.8 | 462.3 | 475.2 | 489.7 | 501.7 | 517.4 | 530.8 |
| 12.5° | 393.9 | 407.0 | 424.9 | 440.7 | 459.6 | 479.5 | 498.6 | 517.1 | 527.7 | 554.0 | 566.4 |
| 15° | 390.5 | 406.1 | 428.5 | 452.4 | 478.4 | 502.0 | 526.3 | 545.7 | 577.0 | 600.0 | 614.7 |
| 17.5° | 384.1 | 405.9 | 432.4 | 461.3 | 492.9 | 524.0 | 551.5 | 580.9 | 614.2 | 642.0 | 671.6 |
| 20° | 381.0 | 405.0 | 434.6 | 466.5 | 499.4 | 534.5 | 565.8 | 601.1 | 637.4 | 664.8 | 702.8 |
| 22.5° | 375.4 | 402.5 | 434.4 | 469.9 | 505.1 | 541.4 | 578.1 | 613.8 | 655.7 | 693.3 | 729.5 |
| 25° | 366.2 | 396.6 | 429.7 | 469.4 | 510.5 | 547.0 | 590.9 | 638.2 | 681.8 | 730.3 | 766.4 |
| 27.5° | 356.5 | 389.0 | 422.1 | 459.0 | 503.4 | 546.7 | 601.9 | 655.3 | 708.7 | 750.5 | 777.2 |
| 30° | 349.1 | 380.7 | 414.8 | 452.1 | 495.9 | 547.4 | 609.1 | 667.4 | 719.5 | 755.4 | 770.4 |
| 32.5° | 341.0 | 373.0 | 403.2 | 442.3 | 489.1 | 546.9 | 613.7 | 674.6 | 720.1 | 744.0 | 741.0 |
| 35° | 328.4 | 355.1 | 384.7 | 422.2 | 477.3 | 543.6 | 616.4 | 675.2 | 703.1 | 698.0 | 659.3 |
| 37.5° | 310.1 | 332.7 | 361.7 | 402.8 | 463.7 | 536.5 | 611.0 | 655.2 | 653.4 | 611.6 | 555.5 |
| 40° | 298.8 | 318.0 | 345.8 | 389.1 | 453.0 | 532.0 | 602.7 | 631.4 | 607.1 | 548.7 | 481.5 |
| 42.5° | 283.9 | 301.6 | 329.5 | 374.0 | 441.3 | 522.8 | 586.7 | 595.0 | 547.5 | 480.4 | 418.7 |
| 45° | 260.8 | 276.4 | 305.2 | 351.2 | 423.7 | 502.6 | 547.8 | 527.4 | 463.4 | 394.1 | 347.2 |
| 47.5° | 235.9 | 252.2 | 279.9 | 327.2 | 398.4 | 472.2 | 493.7 | 450.5 | 384.8 | 328.6 | 285.5 |
| 50° | 220.3 | 235.9 | 263.1 | 310.7 | 381.2 | 447.3 | 456.2 | 400.4 | 340.0 | 290.6 | 255.3 |
| 52.5° | 204.6 | 219.2 | 245.9 | 293.8 | 361.2 | 418.4 | 412.9 | 356.0 | 300.5 | 258.4 | 230.6 |
| 55° | 181.0 | 194.9 | 220.3 | 265.1 | 326.5 | 371.9 | 352.0 | 297.7 | 251.7 | 219.0 | 197.9 |
| 57.5° | 160.0 | 173.3 | 195.2 | 235.7 | 289.0 | 320.2 | 294.9 | 249.1 | 212.5 | 187.4 | 171.7 |
| 60° | 145.7 | 157.4 | 178.4 | 216.0 | 262.3 | 286.0 | 261.0 | 220.5 | 189.7 | 169.6 | 155.6 |
| 62.5° | 132.2 | 142.4 | 161.8 | 195.9 | 236.2 | 256.1 | 230.7 | 196.5 | 170.3 | 152.5 | 140.5 |
| 65° | 111.7 | 121.0 | 138.1 | 164.7 | 197.7 | 211.0 | 189.1 | 161.4 | 141.1 | 127.8 | 119.8 |
| 67.5° | 93.0 | 100.9 | 115.7 | 136.6 | 160.9 | 170.6 | 153.9 | 132.5 | 117.2 | 106.5 | 100.2 |
| 70° | 80.6 | 87.4 | 99.0 | 117.0 | 139.0 | 146.4 | 130.9 | 113.2 | 102.0 | 93.4 | 87.6 |
| 72.5° | 70.0 | 75.1 | 85.6 | 99.5 | 117.9 | 123.8 | 112.9 | 97.4 | 87.0 | 80.6 | 75.8 |
| 75° | 53.4 | 57.6 | 64.4 | 75.6 | 88.3 | 91.7 | 83.6 | 73.9 | 66.9 | 62.3 | 58.7 |
| 77.5° | 38.5 | 41.6 | 46.5 | 53.4 | 62.2 | 65.3 | 60.2 | 53.6 | 48.5 | 45.5 | 43.5 |
| 80° | 29.0 | 31.6 | 35.7 | 41.4 | 46.7 | 48.4 | 45.4 | 40.4 | 36.9 | 35.1 | 33.4 |
| 82.5° | 21.4 | 22.8 | 25.4 | 29.3 | 32.9 | 34.9 | 32.4 | 29.4 | 27.4 | 25.8 | 25.2 |
| 85° | 10.8 | 11.6 | 12.7 | 14.3 | 16.6 | 17.3 | 16.3 | 15.6 | 14.4 | 13.5 | 13.5 |
| 87.5° | 4.7 | 5.1 | 6.1 | 6.8 | 7.7 | 8.8 | 9.2 | 9.5 | 9.9 | 9.5 | 9.6 |
| 90° | 3.8 | 5.7 | 8.6 | 10.4 | 12.3 | 15.2 | 18.0 | 20.9 | 23.6 | 22.7 | 23.6 |
| 92.5° | 17.4 | 25.4 | 32.8 | 40.8 | 54.8 | 79.6 | 120.3 | 160.3 | 145.7 | 109.9 | 79.7 |
| 95° | 35.1 | 45.5 | 61.6 | 86.2 | 123.1 | 203.7 | 344.8 | 500.2 | 561.7 | 455.6 | 341.0 |
| 97.5° | 55.8 | 64.0 | 78.0 | 102.3 | 142.3 | 219.2 | 378.3 | 637.3 | 870.5 | 931.3 | 850.0 |
| 100° | 71.0 | 77.7 | 90.9 | 113.7 | 150.6 | 217.0 | 357.1 | 606.3 | 897.1 | 1083.7 | 1116.8 |
| 102.5° | 87.7 | 93.6 | 106.1 | 126.5 | 160.5 | 220.0 | 338.9 | 560.8 | 847.8 | 1091.2 | 1205.5 |
| 105° | 112.8 | 118.4 | 129.8 | 147.7 | 177.2 | 228.3 | 325.9 | 504.9 | 761.6 | 1033.5 | 1231.4 |
| 107.5° | 138.1 | 143.6 | 154.7 | 171.6 | 198.9 | 243.9 | 324.9 | 469.3 | 685.4 | 932.3 | 1156.7 |
| 110° | 156.3 | 161.0 | 171.5 | 187.5 | 214.1 | 256.7 | 328.7 | 455.6 | 642.2 | 868.6 | 1085.6 |



TEST NUMBER: P331903-930

CATALOG NUMBER: S123DIP-S340D1195U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 173.0 | 177.7 | 188.1 | 204.2 | 230.0 | 269.6 | 336.3 | 448.1 | 613.4 | 813.3 | 1015.0 |
| 115° | 198.0 | 203.7 | 213.1 | 229.3 | 254.8 | 290.8 | 348.6 | 445.2 | 582.5 | 746.4 | 921.7 |
| 117.5° | 222.6 | 227.3 | 236.0 | 254.0 | 277.8 | 313.3 | 364.8 | 446.9 | 564.4 | 706.0 | 854.0 |
| 120° | 237.7 | 242.5 | 252.0 | 269.9 | 293.7 | 327.8 | 377.0 | 450.0 | 556.0 | 684.9 | 818.4 |
| 122.5° | 252.2 | 256.9 | 267.1 | 284.4 | 309.6 | 342.9 | 388.4 | 455.3 | 550.7 | 667.4 | 790.4 |
| 125° | 271.9 | 277.5 | 288.0 | 306.0 | 331.5 | 364.7 | 406.3 | 463.2 | 543.7 | 645.1 | 753.1 |
| 127.5° | 288.5 | 295.5 | 306.1 | 326.0 | 351.6 | 383.6 | 421.2 | 472.3 | 540.3 | 625.4 | 720.5 |
| 130° | 298.4 | 306.9 | 318.3 | 338.2 | 363.7 | 395.0 | 431.0 | 478.3 | 538.0 | 614.7 | 700.0 |
| 132.5° | 306.7 | 316.0 | 329.6 | 349.5 | 374.4 | 404.9 | 440.1 | 482.9 | 537.3 | 605.0 | 681.1 |
| 135° | 320.2 | 330.6 | 344.8 | 364.7 | 390.3 | 419.6 | 451.8 | 489.8 | 536.1 | 592.1 | 655.5 |
| 137.5° | 332.9 | 343.1 | 358.2 | 378.0 | 401.6 | 429.8 | 460.6 | 494.3 | 534.0 | 580.8 | 632.2 |
| 140° | 341.9 | 351.4 | 366.6 | 385.6 | 409.2 | 436.7 | 465.1 | 497.3 | 533.3 | 574.1 | 618.6 |
| 142.5° | 350.3 | 360.5 | 374.1 | 393.1 | 415.3 | 442.0 | 469.6 | 499.6 | 531.8 | 567.9 | 605.7 |
| 145° | 363.7 | 372.3 | 386.5 | 402.6 | 424.4 | 449.0 | 474.6 | 501.1 | 529.5 | 559.9 | 590.1 |
| 147.5° | 377.4 | 385.7 | 398.0 | 413.6 | 432.1 | 454.7 | 477.6 | 501.1 | 525.9 | 551.9 | 577.5 |
| 150° | 386.5 | 394.0 | 406.3 | 419.6 | 436.7 | 458.4 | 478.3 | 501.1 | 522.9 | 546.6 | 568.3 |
| 152.5° | 395.6 | 403.2 | 413.9 | 425.7 | 442.0 | 460.7 | 479.9 | 498.8 | 519.1 | 540.5 | 560.0 |
| 155° | 410.2 | 415.9 | 425.3 | 435.7 | 449.0 | 465.1 | 480.3 | 496.4 | 512.5 | 531.4 | 547.5 |
| 157.5° | 422.7 | 427.2 | 435.5 | 444.4 | 454.7 | 467.6 | 481.2 | 493.2 | 506.6 | 521.1 | 534.3 |
| 160° | 431.0 | 434.8 | 442.4 | 449.0 | 458.4 | 469.9 | 481.2 | 491.6 | 502.1 | 514.4 | 526.7 |
| 162.5° | 437.8 | 440.8 | 446.9 | 452.8 | 460.7 | 470.6 | 480.5 | 488.6 | 497.5 | 507.5 | 517.6 |
| 165° | 447.1 | 449.0 | 453.7 | 457.5 | 464.1 | 471.7 | 478.3 | 484.0 | 490.6 | 498.2 | 505.8 |
| 167.5° | 454.7 | 455.6 | 459.3 | 461.9 | 466.0 | 471.6 | 476.9 | 479.5 | 483.9 | 489.3 | 495.6 |
| 170° | 458.4 | 459.4 | 462.3 | 464.1 | 466.0 | 470.8 | 474.6 | 476.5 | 479.3 | 484.0 | 488.8 |
| 172.5° | 462.3 | 462.4 | 464.6 | 465.7 | 466.8 | 470.8 | 473.9 | 474.2 | 475.5 | 478.7 | 482.7 |
| 175° | 466.0 | 465.1 | 467.0 | 467.0 | 468.0 | 469.9 | 471.7 | 470.8 | 470.8 | 472.7 | 474.6 |
| 177.5° | 468.0 | 467.2 | 468.0 | 468.0 | 468.0 | 468.7 | 470.2 | 468.7 | 468.0 | 468.7 | 469.4 |
| 180° | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 |



TEST NUMBER: P331903-930

CATALOG NUMBER: S123DIP-S340D1195U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 | 392.0 |
| 2.5° | 412.5 | 412.7 | 414.3 | 415.6 | 415.0 | 415.7 | 416.0 |
| 5° | 450.7 | 457.5 | 461.1 | 463.8 | 464.0 | 464.2 | 465.7 |
| 7.5° | 504.8 | 512.2 | 517.6 | 525.7 | 528.1 | 530.8 | 530.1 |
| 10° | 544.4 | 555.2 | 564.5 | 569.4 | 574.8 | 582.5 | 576.3 |
| 12.5° | 581.3 | 600.5 | 614.7 | 622.3 | 627.3 | 628.8 | 625.8 |
| 15° | 642.2 | 667.2 | 680.7 | 680.4 | 697.4 | 704.8 | 693.2 |
| 17.5° | 698.0 | 721.1 | 739.7 | 749.2 | 763.4 | 766.5 | 765.2 |
| 20° | 732.2 | 757.5 | 771.9 | 788.2 | 795.7 | 802.3 | 803.4 |
| 22.5° | 761.7 | 784.4 | 799.9 | 813.4 | 819.6 | 822.8 | 824.7 |
| 25° | 792.1 | 809.9 | 819.2 | 823.9 | 825.7 | 825.2 | 822.8 |
| 27.5° | 789.9 | 791.3 | 781.1 | 771.0 | 762.0 | 751.9 | 748.4 |
| 30° | 769.4 | 753.5 | 725.0 | 708.8 | 685.1 | 666.3 | 673.9 |
| 32.5° | 715.5 | 683.7 | 651.8 | 616.4 | 587.3 | 578.9 | 570.5 |
| 35° | 610.7 | 554.8 | 522.1 | 484.1 | 469.0 | 453.8 | 443.3 |
| 37.5° | 494.0 | 450.9 | 412.1 | 387.3 | 372.0 | 362.4 | 357.3 |
| 40° | 427.1 | 388.2 | 356.3 | 336.1 | 324.6 | 313.8 | 312.3 |
| 42.5° | 373.8 | 337.6 | 313.6 | 297.6 | 286.5 | 281.8 | 278.5 |
| 45° | 306.1 | 281.0 | 264.8 | 253.4 | 246.0 | 243.1 | 239.3 |
| 47.5° | 259.2 | 241.3 | 229.2 | 221.4 | 215.8 | 213.7 | 213.4 |
| 50° | 232.8 | 218.0 | 209.1 | 203.0 | 198.7 | 197.9 | 194.9 |
| 52.5° | 213.1 | 200.2 | 193.3 | 188.0 | 184.8 | 182.7 | 181.8 |
| 55° | 185.0 | 176.4 | 170.2 | 167.1 | 164.7 | 162.6 | 162.6 |
| 57.5° | 161.8 | 154.7 | 150.6 | 148.0 | 147.2 | 145.8 | 144.8 |
| 60° | 147.6 | 141.5 | 138.3 | 136.0 | 134.4 | 134.7 | 133.0 |
| 62.5° | 133.6 | 129.6 | 126.5 | 124.3 | 122.5 | 122.5 | 122.6 |
| 65° | 113.7 | 110.7 | 108.4 | 107.7 | 106.6 | 105.3 | 105.6 |
| 67.5° | 96.4 | 93.6 | 91.8 | 90.5 | 90.1 | 89.4 | 90.5 |
| 70° | 84.0 | 81.9 | 80.6 | 79.4 | 79.0 | 79.2 | 80.1 |
| 72.5° | 72.6 | 71.1 | 70.2 | 69.7 | 68.8 | 68.9 | 69.5 |
| 75° | 57.0 | 55.8 | 55.1 | 54.5 | 54.3 | 54.3 | 54.3 |
| 77.5° | 41.8 | 41.6 | 41.3 | 40.4 | 40.4 | 40.7 | 40.7 |
| 80° | 33.0 | 32.4 | 32.3 | 31.9 | 31.3 | 31.0 | 31.9 |
| 82.5° | 24.7 | 24.1 | 24.0 | 23.9 | 23.0 | 22.9 | 23.7 |
| 85° | 13.3 | 12.7 | 12.9 | 12.7 | 12.7 | 12.6 | 12.6 |
| 87.5° | 9.6 | 9.7 | 9.9 | 9.9 | 9.9 | 9.9 | 10.0 |
| 90° | 24.6 | 25.6 | 27.5 | 26.5 | 27.5 | 28.5 | 27.5 |
| 92.5° | 63.3 | 55.8 | 51.0 | 49.2 | 46.4 | 47.4 | 45.7 |
| 95° | 231.1 | 180.9 | 146.8 | 128.8 | 120.3 | 113.7 | 109.9 |
| 97.5° | 680.9 | 558.7 | 445.4 | 375.5 | 332.9 | 307.3 | 299.1 |
| 100° | 1040.1 | 929.3 | 794.8 | 699.0 | 629.9 | 593.0 | 593.9 |
| 102.5° | 1203.0 | 1138.4 | 1053.1 | 978.7 | 924.0 | 893.1 | 871.3 |
| 105° | 1326.2 | 1344.2 | 1319.6 | 1275.9 | 1240.0 | 1209.7 | 1204.9 |
| 107.5° | 1310.6 | 1393.6 | 1427.3 | 1428.1 | 1415.9 | 1405.7 | 1397.0 |
| 110° | 1259.9 | 1379.2 | 1445.5 | 1472.0 | 1479.6 | 1477.7 | 1475.9 |



TEST NUMBER: P331903-930

CATALOG NUMBER: S123DIP-S340D1195U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1193.2 | 1326.9 | 1412.2 | 1460.7 | 1484.2 | 1491.3 | 1491.8 |
| 115° | 1086.5 | 1225.7 | 1329.0 | 1400.0 | 1441.7 | 1460.7 | 1465.4 |
| 117.5° | 996.3 | 1121.4 | 1226.1 | 1300.2 | 1347.9 | 1375.2 | 1381.7 |
| 120° | 946.3 | 1060.0 | 1155.7 | 1230.4 | 1283.5 | 1306.3 | 1312.0 |
| 122.5° | 906.1 | 1011.5 | 1100.3 | 1166.9 | 1214.6 | 1239.6 | 1246.8 |
| 125° | 856.3 | 947.2 | 1023.0 | 1083.7 | 1125.4 | 1149.0 | 1155.7 |
| 127.5° | 812.5 | 894.5 | 963.5 | 1017.6 | 1053.1 | 1074.6 | 1080.6 |
| 130° | 785.3 | 862.0 | 926.4 | 976.6 | 1010.7 | 1030.6 | 1038.2 |
| 132.5° | 759.5 | 831.0 | 892.3 | 939.5 | 973.5 | 991.2 | 996.5 |
| 135° | 722.8 | 784.3 | 838.3 | 884.8 | 913.1 | 930.2 | 936.9 |
| 137.5° | 687.3 | 740.4 | 787.2 | 826.2 | 855.0 | 869.4 | 873.8 |
| 140° | 666.8 | 712.3 | 753.1 | 789.0 | 815.6 | 830.7 | 829.8 |
| 142.5° | 647.2 | 686.6 | 722.0 | 752.7 | 776.2 | 789.8 | 788.9 |
| 145° | 621.4 | 651.8 | 679.1 | 702.9 | 722.8 | 730.3 | 732.2 |
| 147.5° | 602.3 | 626.7 | 646.2 | 664.2 | 677.7 | 684.9 | 685.6 |
| 150° | 590.1 | 610.0 | 628.0 | 642.2 | 652.6 | 658.4 | 658.4 |
| 152.5° | 578.8 | 596.4 | 611.4 | 622.6 | 632.2 | 635.6 | 635.6 |
| 155° | 562.6 | 576.9 | 588.2 | 596.8 | 604.4 | 606.3 | 607.2 |
| 157.5° | 547.0 | 557.9 | 566.8 | 574.2 | 579.9 | 581.4 | 581.2 |
| 160° | 537.1 | 546.6 | 553.2 | 559.9 | 565.5 | 565.5 | 564.6 |
| 162.5° | 526.5 | 535.2 | 541.0 | 545.4 | 550.3 | 550.3 | 549.4 |
| 165° | 511.5 | 518.1 | 522.9 | 526.7 | 530.4 | 529.5 | 529.5 |
| 167.5° | 499.9 | 503.8 | 507.2 | 508.8 | 511.5 | 510.5 | 510.5 |
| 170° | 491.6 | 495.4 | 497.3 | 498.2 | 500.2 | 499.2 | 499.2 |
| 172.5° | 484.8 | 487.9 | 488.9 | 489.2 | 491.1 | 489.3 | 488.6 |
| 175° | 475.5 | 477.4 | 477.4 | 477.4 | 478.3 | 477.4 | 476.5 |
| 177.5° | 470.2 | 471.0 | 471.0 | 470.2 | 471.0 | 469.4 | 469.4 |
| 180° | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 | 468.0 |

(END OF REPORT)