

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: P331241-935

Luminaire Tested: **S122DIP-S290D330U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331241-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIP-S290D330U935-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 290 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 330 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2132.1 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

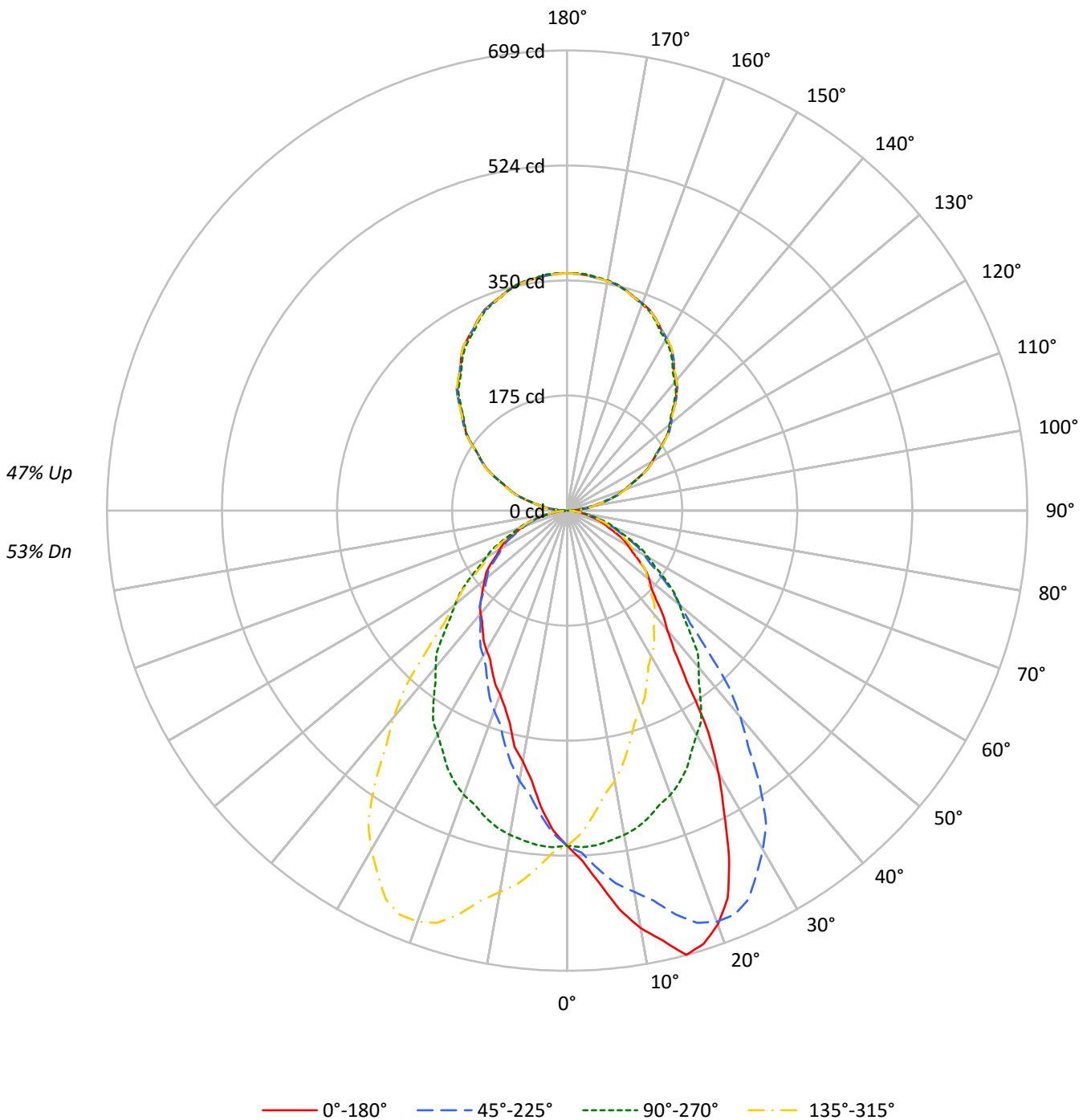
Input Watts (W): 20.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331241-935

CATALOG NUMBER: S122DIP-S290D330U935-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P331241-935

CATALOG NUMBER: S122DIP-S290D330U935-4F0-1E-UDD-A1

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 | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 85 | 85 | 85 | 71 | 71 | 71 | 59 | 59 | 59 | 53 |
| 1 | 99 | 95 | 91 | 88 | 91 | 88 | 85 | 82 | 75 | 73 | 71 | 63 | 62 | 60 | 53 | 51 | 50 | 45 |
| 2 | 90 | 83 | 77 | 72 | 84 | 77 | 72 | 68 | 66 | 63 | 59 | 56 | 54 | 51 | 47 | 45 | 43 | 39 |
| 3 | 83 | 74 | 67 | 61 | 77 | 69 | 62 | 57 | 59 | 54 | 51 | 50 | 47 | 44 | 42 | 40 | 37 | 33 |
| 4 | 76 | 66 | 58 | 52 | 70 | 61 | 54 | 49 | 53 | 48 | 44 | 45 | 41 | 38 | 38 | 35 | 33 | 29 |
| 5 | 70 | 59 | 51 | 45 | 65 | 55 | 48 | 43 | 48 | 42 | 38 | 41 | 37 | 33 | 34 | 31 | 29 | 26 |
| 6 | 65 | 53 | 45 | 39 | 60 | 49 | 42 | 37 | 43 | 37 | 33 | 37 | 33 | 29 | 31 | 28 | 26 | 23 |
| 7 | 60 | 48 | 40 | 35 | 55 | 45 | 38 | 33 | 39 | 34 | 30 | 34 | 30 | 26 | 29 | 26 | 23 | 20 |
| 8 | 56 | 44 | 36 | 31 | 52 | 41 | 34 | 29 | 36 | 30 | 26 | 31 | 27 | 24 | 27 | 23 | 21 | 18 |
| 9 | 52 | 40 | 33 | 28 | 48 | 38 | 31 | 26 | 33 | 28 | 24 | 29 | 24 | 21 | 25 | 21 | 19 | 17 |
| 10 | 49 | 37 | 30 | 25 | 45 | 35 | 28 | 24 | 30 | 25 | 22 | 27 | 22 | 19 | 23 | 20 | 17 | 15 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|------|------|------|
| 0° | 8217 | 8217 | 8217 | 8217 |
| 5° | 9211 | 8271 | 7329 | 8271 |
| 10° | 10557 | 8202 | 6342 | 8202 |
| 15° | 11677 | 8052 | 5605 | 8052 |
| 20° | 11500 | 7892 | 5108 | 7892 |
| 25° | 10368 | 7675 | 4794 | 7675 |
| 30° | 8569 | 7333 | 4566 | 7333 |
| 35° | 6244 | 6974 | 4401 | 6974 |
| 40° | 4989 | 6551 | 4312 | 6551 |
| 45° | 4359 | 6060 | 4190 | 6060 |
| 50° | 4099 | 5586 | 4107 | 5586 |
| 55° | 3775 | 5103 | 3997 | 5103 |
| 60° | 3462 | 4592 | 3830 | 4592 |
| 65° | 3156 | 4130 | 3660 | 4130 |
| 70° | 2861 | 3682 | 3418 | 3682 |
| 75° | 2539 | 3188 | 3026 | 3188 |
| 80° | 2185 | 2631 | 2436 | 2631 |
| 85° | 1964 | 1964 | 1445 | 1964 |



TEST NUMBER: P331241-935

CATALOG NUMBER: S122DIP-S290D330U935-4F0-1E-UDD-A1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 48.5 | 2.3 |
| 10°-20° | 140.9 | 6.6 |
| 20°-30° | 204.5 | 9.6 |
| 30°-40° | 215.8 | 10.1 |
| 40°-50° | 191.1 | 9.0 |
| 50°-60° | 152.5 | 7.2 |
| 60°-70° | 103.6 | 4.9 |
| 70°-80° | 53.1 | 2.5 |
| 80°-90° | 14.3 | 0.7 |
| 90°-100° | 22.8 | 1.1 |
| 100°-110° | 70.9 | 3.3 |
| 110°-120° | 121.3 | 5.7 |
| 120°-130° | 159.5 | 7.5 |
| 130°-140° | 179.0 | 8.4 |
| 140°-150° | 175.5 | 8.2 |
| 150°-160° | 147.2 | 6.9 |
| 160°-170° | 97.6 | 4.6 |
| 170°-180° | 34.1 | 1.6 |
| 0°-30° | 393.9 | 18.5 |
| 0°-40° | 609.7 | 28.6 |
| 0°-60° | 953.2 | 44.7 |
| 0°-90° | 1124.2 | 52.7 |
| 90°-120° | 215.0 | 10.1 |
| 90°-150° | 729.0 | 34.2 |
| 90°-180° | 1008.0 | 47.3 |
| 0°-180° | 2132.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0° | 509 | 509 | 509 | 509 | 509 | |
| 5° | 568 | 510 | 452 | 510 | 568 | 57 |
| 15° | 699 | 482 | 335 | 482 | 699 | 193 |
| 25° | 582 | 431 | 269 | 431 | 582 | 263 |
| 35° | 317 | 354 | 223 | 354 | 317 | 206 |
| 45° | 191 | 265 | 184 | 265 | 191 | 150 |
| 55° | 134 | 181 | 142 | 181 | 134 | 120 |
| 65° | 83 | 108 | 96 | 108 | 83 | 82 |
| 75° | 41 | 51 | 48 | 51 | 41 | 43 |
| 85° | 11 | 11 | 8 | 11 | 11 | 12 |
| 90° | 10 | 0 | 10 | 0 | 10 | 5 |
| 95° | 19 | 16 | 19 | 16 | 19 | 21 |
| 105° | 68 | 65 | 68 | 65 | 68 | 71 |
| 115° | 122 | 122 | 122 | 122 | 122 | 120 |
| 125° | 178 | 177 | 178 | 177 | 178 | 158 |
| 135° | 232 | 229 | 232 | 229 | 232 | 178 |
| 145° | 281 | 278 | 281 | 278 | 281 | 176 |
| 155° | 320 | 318 | 320 | 318 | 320 | 147 |
| 165° | 346 | 346 | 346 | 346 | 346 | 98 |
| 175° | 359 | 360 | 359 | 360 | 359 | 34 |
| 180° | 360 | 360 | 360 | 360 | 360 | |



TEST NUMBER: P331241-935

CATALOG NUMBER: S122DIP-S290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 |
| 2.5° | 532.4 | 532.5 | 532.9 | 530.4 | 530.0 | 530.0 | 527.9 | 526.0 | 523.7 | 520.8 | 521.2 |
| 5° | 568.3 | 570.5 | 571.3 | 568.9 | 565.4 | 565.1 | 561.7 | 556.3 | 551.1 | 547.1 | 544.2 |
| 7.5° | 611.3 | 612.2 | 610.3 | 607.2 | 604.6 | 599.9 | 593.7 | 587.6 | 579.1 | 571.4 | 565.6 |
| 10° | 643.9 | 645.1 | 641.7 | 637.2 | 633.5 | 628.0 | 619.1 | 609.8 | 598.7 | 588.0 | 579.4 |
| 12.5° | 668.6 | 671.5 | 667.2 | 666.7 | 660.3 | 652.7 | 642.0 | 637.4 | 621.7 | 606.7 | 597.4 |
| 15° | 698.6 | 698.4 | 698.9 | 695.1 | 690.4 | 689.2 | 678.0 | 665.6 | 643.5 | 634.6 | 619.4 |
| 17.5° | 689.9 | 692.9 | 694.3 | 694.2 | 694.1 | 693.4 | 689.7 | 682.0 | 670.9 | 656.6 | 639.0 |
| 20° | 669.3 | 673.2 | 673.8 | 678.3 | 680.9 | 684.2 | 685.5 | 683.4 | 676.6 | 664.6 | 649.4 |
| 22.5° | 637.4 | 638.5 | 640.3 | 647.3 | 652.8 | 661.2 | 665.5 | 672.8 | 670.1 | 664.3 | 651.5 |
| 25° | 582.0 | 580.1 | 586.9 | 590.5 | 603.2 | 616.5 | 626.1 | 636.6 | 646.0 | 651.7 | 648.0 |
| 27.5° | 515.7 | 512.7 | 523.0 | 532.4 | 542.6 | 557.1 | 572.0 | 589.6 | 604.2 | 622.7 | 629.0 |
| 30° | 459.6 | 461.4 | 471.1 | 481.1 | 496.8 | 517.1 | 534.0 | 553.3 | 574.3 | 594.8 | 609.1 |
| 32.5° | 399.2 | 406.0 | 412.2 | 427.5 | 441.3 | 463.9 | 488.6 | 512.8 | 538.9 | 562.2 | 584.4 |
| 35° | 316.8 | 324.7 | 333.3 | 344.4 | 363.8 | 386.2 | 410.4 | 443.0 | 478.6 | 510.5 | 536.7 |
| 37.5° | 266.7 | 265.4 | 270.4 | 278.4 | 294.1 | 312.3 | 340.0 | 372.2 | 414.1 | 451.6 | 488.6 |
| 40° | 236.7 | 235.9 | 239.4 | 246.8 | 258.7 | 272.1 | 296.4 | 324.7 | 363.6 | 409.4 | 453.4 |
| 42.5° | 216.0 | 216.5 | 218.4 | 223.7 | 231.9 | 242.8 | 261.0 | 285.1 | 320.7 | 363.9 | 411.1 |
| 45° | 190.9 | 192.3 | 194.4 | 197.0 | 201.6 | 210.7 | 220.8 | 238.1 | 266.2 | 302.2 | 348.7 |
| 47.5° | 172.8 | 172.9 | 175.0 | 177.3 | 180.0 | 185.1 | 193.5 | 204.2 | 224.1 | 253.4 | 293.4 |
| 50° | 163.2 | 161.8 | 163.3 | 165.1 | 168.0 | 171.5 | 177.0 | 187.2 | 200.4 | 224.1 | 257.6 |
| 52.5° | 151.2 | 151.3 | 152.7 | 153.3 | 155.9 | 159.5 | 164.5 | 171.5 | 183.6 | 202.1 | 229.5 |
| 55° | 134.1 | 135.2 | 136.0 | 137.1 | 139.5 | 142.0 | 145.9 | 150.6 | 160.0 | 173.8 | 194.2 |
| 57.5° | 118.1 | 118.5 | 119.2 | 121.5 | 123.0 | 125.3 | 129.0 | 133.3 | 139.4 | 149.6 | 165.0 |
| 60° | 107.2 | 107.2 | 108.7 | 109.7 | 111.7 | 114.0 | 116.9 | 121.1 | 126.6 | 134.9 | 147.3 |
| 62.5° | 97.2 | 97.0 | 97.6 | 99.3 | 100.7 | 102.9 | 105.8 | 109.3 | 114.5 | 122.0 | 132.1 |
| 65° | 82.6 | 82.1 | 83.3 | 83.7 | 85.2 | 87.4 | 89.8 | 93.5 | 97.6 | 103.1 | 112.1 |
| 67.5° | 68.4 | 69.0 | 69.6 | 70.3 | 71.1 | 73.4 | 75.0 | 77.6 | 81.1 | 85.7 | 91.7 |
| 70° | 60.6 | 60.6 | 60.6 | 61.2 | 62.4 | 63.5 | 65.1 | 67.2 | 70.6 | 74.5 | 80.0 |
| 72.5° | 51.8 | 52.5 | 53.1 | 52.8 | 54.2 | 54.9 | 56.8 | 58.0 | 61.2 | 63.7 | 68.5 |
| 75° | 40.7 | 40.7 | 40.7 | 41.7 | 42.3 | 42.8 | 44.0 | 45.2 | 46.8 | 49.9 | 52.4 |
| 77.5° | 30.4 | 30.3 | 30.5 | 30.7 | 31.3 | 32.0 | 32.4 | 33.4 | 34.9 | 36.3 | 38.5 |
| 80° | 23.5 | 23.8 | 24.0 | 24.5 | 24.5 | 24.8 | 25.1 | 26.4 | 27.4 | 28.3 | 29.7 |
| 82.5° | 18.2 | 18.3 | 18.3 | 18.3 | 18.5 | 18.8 | 19.3 | 19.7 | 20.1 | 20.8 | 21.9 |
| 85° | 10.6 | 10.3 | 10.3 | 10.8 | 10.6 | 10.6 | 10.9 | 11.4 | 11.4 | 11.5 | 12.1 |
| 87.5° | 6.1 | 6.1 | 6.3 | 6.1 | 6.1 | 6.3 | 6.3 | 6.1 | 6.3 | 6.5 | 6.4 |
| 90° | 10.3 | 10.2 | 10.2 | 10.2 | 10.1 | 10.1 | 10.2 | 10.4 | 10.5 | 10.7 | 9.1 |
| 92.5° | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.7 | 9.7 | 9.7 | 9.6 | 9.3 |
| 95° | 18.9 | 19.0 | 19.1 | 19.3 | 19.4 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.4 |
| 97.5° | 32.6 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.5 |
| 100° | 41.7 | 41.8 | 41.8 | 41.8 | 41.9 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 41.8 |
| 102.5° | 51.9 | 52.0 | 52.0 | 52.1 | 52.2 | 52.2 | 52.1 | 52.1 | 52.0 | 51.9 | 51.7 |
| 105° | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.3 | 67.2 | 67.1 | 66.9 | 66.8 |
| 107.5° | 82.2 | 82.6 | 82.9 | 83.2 | 83.5 | 83.6 | 83.6 | 83.5 | 83.4 | 83.4 | 83.4 |
| 110° | 93.7 | 93.9 | 94.1 | 94.3 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |



TEST NUMBER: P331241-935

CATALOG NUMBER: S122DIP-S290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 104.6 | 104.8 | 105.0 | 105.1 | 105.2 | 105.4 | 105.6 | 105.7 | 105.9 | 106.1 | 106.1 |
| 115° | 121.7 | 121.9 | 122.1 | 122.3 | 122.5 | 122.6 | 122.7 | 122.8 | 122.9 | 122.9 | 123.0 |
| 117.5° | 137.9 | 138.1 | 138.4 | 138.5 | 138.7 | 138.9 | 139.1 | 139.2 | 139.4 | 139.6 | 139.9 |
| 120° | 149.4 | 149.6 | 149.7 | 150.0 | 150.2 | 150.2 | 150.2 | 150.2 | 150.2 | 150.2 | 150.8 |
| 122.5° | 160.6 | 160.7 | 160.8 | 161.0 | 161.2 | 161.3 | 161.4 | 161.6 | 161.8 | 162.0 | 162.3 |
| 125° | 177.6 | 177.7 | 177.8 | 177.9 | 177.9 | 178.1 | 178.2 | 178.5 | 178.7 | 178.8 | 179.1 |
| 127.5° | 193.2 | 193.5 | 193.6 | 193.9 | 194.1 | 194.3 | 194.6 | 194.8 | 195.0 | 195.3 | 195.5 |
| 130° | 204.4 | 204.7 | 204.9 | 205.3 | 205.5 | 205.7 | 205.9 | 206.0 | 206.1 | 206.2 | 206.4 |
| 132.5° | 215.2 | 215.3 | 215.6 | 215.8 | 216.0 | 216.3 | 216.5 | 216.8 | 217.1 | 217.4 | 217.4 |
| 135° | 231.8 | 232.0 | 232.2 | 232.4 | 232.6 | 232.7 | 232.8 | 232.9 | 232.9 | 233.0 | 232.9 |
| 137.5° | 246.8 | 247.2 | 247.5 | 247.7 | 248.0 | 248.1 | 248.1 | 248.2 | 248.3 | 248.3 | 248.1 |
| 140° | 257.4 | 257.6 | 257.9 | 258.1 | 258.4 | 258.6 | 258.6 | 258.6 | 258.6 | 258.6 | 258.2 |
| 142.5° | 266.8 | 267.1 | 267.3 | 267.7 | 267.9 | 268.0 | 267.9 | 267.9 | 267.9 | 267.8 | 267.6 |
| 145° | 281.0 | 281.4 | 281.6 | 281.9 | 282.1 | 282.2 | 282.1 | 282.1 | 282.1 | 282.0 | 281.5 |
| 147.5° | 293.8 | 294.0 | 294.3 | 294.5 | 294.8 | 294.9 | 294.7 | 294.5 | 294.5 | 294.3 | 294.0 |
| 150° | 302.0 | 302.3 | 302.5 | 302.6 | 302.9 | 302.9 | 302.6 | 302.5 | 302.3 | 302.0 | 301.8 |
| 152.5° | 309.9 | 310.1 | 310.4 | 310.6 | 310.9 | 310.9 | 310.6 | 310.4 | 310.1 | 309.9 | 309.5 |
| 155° | 320.3 | 320.6 | 320.7 | 320.9 | 321.2 | 321.1 | 320.7 | 320.4 | 320.0 | 319.7 | 319.5 |
| 157.5° | 329.3 | 329.7 | 329.9 | 330.3 | 330.6 | 330.5 | 330.1 | 329.6 | 329.2 | 328.7 | 328.6 |
| 160° | 334.9 | 335.2 | 335.4 | 335.7 | 336.0 | 336.0 | 335.5 | 335.1 | 334.7 | 334.3 | 334.2 |
| 162.5° | 339.8 | 340.1 | 340.4 | 340.8 | 341.0 | 341.0 | 340.5 | 340.1 | 339.7 | 339.1 | 339.1 |
| 165° | 346.2 | 346.5 | 346.8 | 347.2 | 347.5 | 347.4 | 347.0 | 346.5 | 346.0 | 345.5 | 345.5 |
| 167.5° | 351.4 | 351.7 | 352.1 | 352.5 | 352.8 | 352.8 | 352.2 | 351.8 | 351.3 | 350.9 | 350.9 |
| 170° | 354.0 | 354.5 | 354.9 | 355.3 | 355.7 | 355.7 | 355.2 | 354.7 | 354.2 | 353.8 | 353.9 |
| 172.5° | 356.3 | 356.7 | 357.1 | 357.5 | 357.9 | 357.8 | 357.4 | 356.9 | 356.5 | 355.9 | 356.0 |
| 175° | 358.6 | 359.0 | 359.5 | 359.9 | 360.2 | 360.2 | 359.7 | 359.3 | 358.8 | 358.3 | 358.4 |
| 177.5° | 359.7 | 360.1 | 360.4 | 360.7 | 361.0 | 361.0 | 360.7 | 360.4 | 360.1 | 359.7 | 359.8 |
| 180° | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 |



TEST NUMBER: P331241-935

CATALOG NUMBER: S122DIP-S290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 |
| 2.5° | 522.2 | 521.0 | 520.2 | 517.4 | 514.9 | 512.4 | 511.6 | 511.9 | 508.4 | 505.1 | 503.8 |
| 5° | 542.6 | 538.6 | 534.9 | 529.7 | 523.4 | 516.5 | 513.1 | 510.3 | 503.4 | 496.0 | 491.7 |
| 7.5° | 560.8 | 555.2 | 548.0 | 538.1 | 529.0 | 518.2 | 511.3 | 505.3 | 495.3 | 484.8 | 478.4 |
| 10° | 571.9 | 564.3 | 555.1 | 542.9 | 531.8 | 518.7 | 509.5 | 500.3 | 488.6 | 476.0 | 468.2 |
| 12.5° | 581.4 | 571.2 | 562.1 | 546.6 | 533.4 | 516.9 | 506.1 | 493.1 | 480.8 | 465.9 | 458.2 |
| 15° | 604.2 | 585.2 | 568.0 | 550.4 | 534.2 | 511.3 | 499.1 | 481.7 | 465.5 | 447.1 | 438.3 |
| 17.5° | 621.7 | 600.4 | 573.3 | 551.0 | 532.0 | 506.6 | 488.9 | 468.0 | 448.8 | 427.8 | 415.9 |
| 20° | 631.7 | 607.3 | 578.2 | 551.6 | 528.9 | 499.9 | 480.5 | 459.3 | 436.8 | 413.1 | 400.2 |
| 22.5° | 637.7 | 612.0 | 583.2 | 549.2 | 522.6 | 494.5 | 470.1 | 446.7 | 424.0 | 398.4 | 384.9 |
| 25° | 639.6 | 616.1 | 585.6 | 547.3 | 514.8 | 482.9 | 453.6 | 430.8 | 403.3 | 379.4 | 359.7 |
| 27.5° | 630.3 | 613.5 | 584.1 | 543.5 | 505.8 | 468.5 | 435.8 | 410.1 | 381.0 | 355.1 | 335.2 |
| 30° | 618.8 | 609.1 | 580.5 | 539.8 | 498.5 | 458.5 | 422.5 | 393.3 | 364.4 | 338.2 | 317.8 |
| 32.5° | 601.2 | 599.1 | 573.9 | 534.5 | 490.9 | 445.8 | 408.5 | 379.1 | 347.0 | 321.2 | 301.9 |
| 35° | 566.5 | 575.8 | 560.0 | 522.6 | 476.5 | 427.7 | 387.4 | 353.8 | 320.6 | 295.9 | 277.8 |
| 37.5° | 519.9 | 543.2 | 539.1 | 505.2 | 456.9 | 408.1 | 363.6 | 328.5 | 296.8 | 271.9 | 254.1 |
| 40° | 487.8 | 517.5 | 521.9 | 491.9 | 443.2 | 393.0 | 345.8 | 310.8 | 279.9 | 257.2 | 239.2 |
| 42.5° | 453.4 | 488.1 | 499.9 | 476.0 | 428.2 | 376.9 | 329.8 | 293.6 | 262.9 | 240.9 | 225.0 |
| 45° | 395.7 | 441.6 | 463.0 | 449.3 | 403.1 | 350.7 | 302.2 | 265.4 | 237.6 | 216.9 | 204.6 |
| 47.5° | 341.7 | 391.9 | 420.6 | 415.8 | 375.2 | 323.3 | 275.3 | 240.0 | 213.0 | 196.5 | 185.5 |
| 50° | 303.6 | 355.2 | 389.8 | 391.4 | 355.2 | 303.8 | 255.6 | 222.4 | 197.5 | 182.1 | 173.1 |
| 52.5° | 270.4 | 319.7 | 357.4 | 365.8 | 332.8 | 283.4 | 238.0 | 204.8 | 183.0 | 168.8 | 160.7 |
| 55° | 227.0 | 268.7 | 310.6 | 325.9 | 299.5 | 252.5 | 210.4 | 181.3 | 160.7 | 151.0 | 144.0 |
| 57.5° | 188.8 | 223.5 | 262.2 | 279.1 | 262.8 | 222.6 | 183.1 | 157.8 | 141.2 | 132.6 | 127.2 |
| 60° | 168.6 | 196.0 | 230.4 | 250.6 | 236.4 | 200.7 | 166.3 | 142.2 | 128.5 | 120.9 | 115.8 |
| 62.5° | 149.8 | 174.1 | 203.2 | 221.6 | 214.0 | 180.2 | 149.4 | 128.1 | 116.3 | 109.2 | 105.5 |
| 65° | 123.6 | 142.8 | 165.3 | 182.3 | 177.2 | 151.6 | 126.3 | 108.1 | 98.8 | 93.1 | 90.1 |
| 67.5° | 101.8 | 115.6 | 131.2 | 146.1 | 142.1 | 123.9 | 103.7 | 89.5 | 82.5 | 77.6 | 75.8 |
| 70° | 88.0 | 98.6 | 112.4 | 124.4 | 121.1 | 106.2 | 90.1 | 78.0 | 72.0 | 67.8 | 66.1 |
| 72.5° | 74.9 | 83.5 | 94.2 | 103.9 | 101.7 | 89.3 | 75.9 | 66.8 | 62.1 | 58.3 | 56.9 |
| 75° | 56.6 | 63.2 | 69.7 | 76.1 | 75.5 | 66.0 | 58.1 | 51.1 | 47.4 | 44.4 | 43.8 |
| 77.5° | 41.8 | 45.5 | 49.9 | 53.6 | 52.6 | 47.1 | 41.0 | 36.9 | 34.3 | 32.3 | 31.9 |
| 80° | 31.9 | 34.0 | 37.2 | 39.9 | 38.6 | 36.2 | 31.3 | 28.3 | 26.4 | 24.5 | 23.7 |
| 82.5° | 23.2 | 25.2 | 27.1 | 28.7 | 27.6 | 25.4 | 22.4 | 20.4 | 19.2 | 17.9 | 17.6 |
| 85° | 12.1 | 13.3 | 14.1 | 14.5 | 14.1 | 12.7 | 11.4 | 10.6 | 9.6 | 9.0 | 8.8 |
| 87.5° | 6.2 | 5.9 | 5.6 | 5.7 | 5.1 | 4.9 | 4.1 | 3.5 | 3.5 | 3.5 | 3.4 |
| 90° | 7.7 | 6.2 | 4.7 | 3.5 | 2.8 | 1.9 | 1.1 | 0.3 | 1.1 | 1.9 | 2.8 |
| 92.5° | 9.0 | 8.6 | 8.3 | 7.8 | 7.2 | 6.6 | 6.0 | 5.4 | 6.0 | 6.6 | 7.2 |
| 95° | 19.2 | 19.0 | 18.9 | 18.5 | 17.8 | 17.1 | 16.5 | 15.8 | 16.5 | 17.1 | 17.8 |
| 97.5° | 32.2 | 31.9 | 31.7 | 31.3 | 30.7 | 30.0 | 29.5 | 28.9 | 29.5 | 30.0 | 30.7 |
| 100° | 41.6 | 41.3 | 41.2 | 40.8 | 40.3 | 39.7 | 39.2 | 38.7 | 39.2 | 39.7 | 40.3 |
| 102.5° | 51.4 | 51.1 | 51.0 | 50.5 | 50.1 | 49.7 | 49.2 | 48.8 | 49.2 | 49.7 | 50.1 |
| 105° | 66.6 | 66.6 | 66.4 | 66.2 | 66.0 | 65.8 | 65.6 | 65.4 | 65.6 | 65.8 | 66.0 |
| 107.5° | 83.4 | 83.4 | 83.4 | 83.3 | 83.0 | 82.7 | 82.4 | 82.1 | 82.4 | 82.7 | 83.0 |
| 110° | 94.6 | 94.6 | 94.6 | 94.4 | 94.0 | 93.6 | 93.2 | 92.8 | 93.2 | 93.6 | 94.0 |



TEST NUMBER: P331241-935

CATALOG NUMBER: S122DIP-S290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 106.2 | 106.2 | 106.2 | 106.1 | 105.6 | 105.3 | 104.9 | 104.4 | 104.9 | 105.3 | 105.6 |
| 115° | 123.1 | 123.3 | 123.5 | 123.3 | 122.9 | 122.5 | 122.1 | 121.7 | 122.1 | 122.5 | 122.9 |
| 117.5° | 140.3 | 140.7 | 141.1 | 141.0 | 140.4 | 139.9 | 139.4 | 138.8 | 139.4 | 139.9 | 140.4 |
| 120° | 151.4 | 151.9 | 152.4 | 152.4 | 151.9 | 151.4 | 150.8 | 150.2 | 150.8 | 151.4 | 151.9 |
| 122.5° | 162.7 | 163.1 | 163.5 | 163.3 | 162.6 | 162.0 | 161.4 | 160.7 | 161.4 | 162.0 | 162.6 |
| 125° | 179.3 | 179.4 | 179.7 | 179.4 | 178.8 | 178.2 | 177.6 | 177.0 | 177.6 | 178.2 | 178.8 |
| 127.5° | 195.8 | 196.0 | 196.2 | 196.0 | 195.2 | 194.5 | 193.7 | 193.0 | 193.7 | 194.5 | 195.2 |
| 130° | 206.6 | 206.6 | 206.8 | 206.4 | 205.5 | 204.7 | 203.8 | 202.9 | 203.8 | 204.7 | 205.5 |
| 132.5° | 217.4 | 217.3 | 217.3 | 217.0 | 216.2 | 215.5 | 214.8 | 214.1 | 214.8 | 215.5 | 216.2 |
| 135° | 232.7 | 232.6 | 232.5 | 232.0 | 231.3 | 230.6 | 229.8 | 229.0 | 229.8 | 230.6 | 231.3 |
| 137.5° | 248.0 | 247.8 | 247.6 | 247.3 | 246.7 | 246.0 | 245.4 | 244.8 | 245.4 | 246.0 | 246.7 |
| 140° | 257.9 | 257.5 | 257.2 | 256.8 | 256.1 | 255.5 | 254.9 | 254.3 | 254.9 | 255.5 | 256.1 |
| 142.5° | 267.3 | 267.1 | 266.9 | 266.5 | 265.9 | 265.3 | 264.7 | 264.1 | 264.7 | 265.3 | 265.9 |
| 145° | 281.2 | 280.8 | 280.3 | 279.9 | 279.5 | 279.0 | 278.5 | 278.0 | 278.5 | 279.0 | 279.5 |
| 147.5° | 293.8 | 293.4 | 293.2 | 292.7 | 292.2 | 291.6 | 291.1 | 290.5 | 291.1 | 291.6 | 292.2 |
| 150° | 301.5 | 301.3 | 301.0 | 300.7 | 300.2 | 299.8 | 299.5 | 299.0 | 299.5 | 299.8 | 300.2 |
| 152.5° | 309.2 | 308.8 | 308.6 | 308.2 | 307.8 | 307.4 | 306.9 | 306.6 | 306.9 | 307.4 | 307.8 |
| 155° | 319.3 | 319.1 | 318.9 | 318.7 | 318.5 | 318.3 | 318.1 | 317.9 | 318.1 | 318.3 | 318.5 |
| 157.5° | 328.5 | 328.4 | 328.2 | 328.1 | 328.0 | 327.8 | 327.7 | 327.5 | 327.7 | 327.8 | 328.0 |
| 160° | 334.2 | 334.1 | 334.1 | 333.9 | 333.8 | 333.6 | 333.6 | 333.4 | 333.6 | 333.6 | 333.8 |
| 162.5° | 339.1 | 339.0 | 338.9 | 338.9 | 338.8 | 338.8 | 338.8 | 338.7 | 338.8 | 338.8 | 338.8 |
| 165° | 345.5 | 345.5 | 345.5 | 345.6 | 345.7 | 345.7 | 345.8 | 345.9 | 345.8 | 345.7 | 345.7 |
| 167.5° | 350.9 | 350.9 | 350.9 | 351.0 | 351.2 | 351.5 | 351.6 | 351.8 | 351.6 | 351.5 | 351.2 |
| 170° | 353.9 | 354.0 | 354.0 | 354.2 | 354.4 | 354.6 | 354.8 | 355.0 | 354.8 | 354.6 | 354.4 |
| 172.5° | 356.1 | 356.2 | 356.2 | 356.4 | 356.5 | 356.8 | 357.0 | 357.1 | 357.0 | 356.8 | 356.5 |
| 175° | 358.6 | 358.8 | 358.9 | 359.0 | 359.2 | 359.5 | 359.6 | 359.9 | 359.6 | 359.5 | 359.2 |
| 177.5° | 360.0 | 360.1 | 360.2 | 360.3 | 360.5 | 360.6 | 360.8 | 360.9 | 360.8 | 360.6 | 360.5 |
| 180° | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 |



TEST NUMBER: P331241-935

CATALOG NUMBER: S122DIP-S290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 |
| 2.5° | 502.2 | 501.3 | 498.0 | 496.3 | 493.4 | 490.8 | 489.0 | 489.8 | 490.4 | 490.2 | 489.7 |
| 5° | 487.8 | 484.1 | 478.4 | 473.6 | 470.0 | 463.6 | 460.8 | 459.4 | 458.2 | 456.9 | 455.6 |
| 7.5° | 470.6 | 464.8 | 456.7 | 449.7 | 443.2 | 435.1 | 430.5 | 427.8 | 425.0 | 421.9 | 419.1 |
| 10° | 458.5 | 450.2 | 441.6 | 431.9 | 424.0 | 416.8 | 410.4 | 406.0 | 402.1 | 398.4 | 395.7 |
| 12.5° | 445.7 | 436.2 | 425.5 | 412.2 | 403.6 | 393.1 | 392.2 | 384.6 | 378.5 | 376.2 | 373.0 |
| 15° | 425.2 | 411.9 | 398.4 | 382.5 | 375.7 | 366.4 | 360.5 | 354.6 | 349.3 | 345.6 | 344.7 |
| 17.5° | 402.0 | 384.8 | 371.3 | 360.0 | 348.8 | 339.1 | 333.7 | 329.1 | 324.7 | 319.8 | 319.1 |
| 20° | 384.4 | 369.5 | 354.8 | 344.8 | 333.3 | 323.5 | 316.8 | 312.2 | 308.4 | 305.5 | 303.0 |
| 22.5° | 367.6 | 351.3 | 337.9 | 327.0 | 315.6 | 307.7 | 302.5 | 297.9 | 294.8 | 291.6 | 289.2 |
| 25° | 340.7 | 328.0 | 313.3 | 301.0 | 291.6 | 286.5 | 282.2 | 278.4 | 276.4 | 274.2 | 271.5 |
| 27.5° | 317.2 | 303.1 | 289.4 | 279.8 | 271.6 | 267.1 | 264.0 | 261.3 | 259.5 | 258.2 | 256.7 |
| 30° | 300.7 | 286.4 | 275.6 | 266.2 | 259.3 | 254.9 | 252.9 | 251.3 | 249.2 | 248.4 | 247.6 |
| 32.5° | 284.6 | 271.8 | 262.6 | 254.4 | 248.0 | 245.0 | 243.2 | 241.8 | 240.1 | 239.4 | 237.7 |
| 35° | 262.1 | 251.3 | 242.4 | 237.8 | 232.6 | 230.0 | 228.7 | 226.7 | 225.2 | 224.4 | 224.1 |
| 37.5° | 240.8 | 231.5 | 225.6 | 219.8 | 217.6 | 216.0 | 214.1 | 212.8 | 212.3 | 212.2 | 212.0 |
| 40° | 227.0 | 219.5 | 214.1 | 209.5 | 208.5 | 206.1 | 204.6 | 203.5 | 203.5 | 203.6 | 203.5 |
| 42.5° | 214.6 | 207.7 | 203.0 | 199.0 | 197.9 | 196.5 | 194.8 | 194.8 | 195.1 | 195.8 | 195.1 |
| 45° | 195.6 | 190.7 | 187.4 | 185.5 | 183.3 | 181.9 | 181.7 | 182.3 | 182.4 | 182.7 | 183.3 |
| 47.5° | 178.1 | 174.9 | 171.9 | 169.7 | 168.8 | 168.6 | 168.3 | 169.4 | 170.3 | 170.7 | 171.5 |
| 50° | 167.8 | 164.1 | 161.5 | 160.1 | 159.4 | 159.0 | 159.4 | 160.6 | 161.4 | 162.3 | 162.9 |
| 52.5° | 156.3 | 153.6 | 151.9 | 150.8 | 150.5 | 150.8 | 150.8 | 152.1 | 153.3 | 153.8 | 154.0 |
| 55° | 140.3 | 138.3 | 137.9 | 136.1 | 136.9 | 136.7 | 137.7 | 138.4 | 139.7 | 140.9 | 141.0 |
| 57.5° | 124.2 | 122.7 | 121.7 | 121.8 | 122.1 | 123.0 | 123.7 | 125.1 | 126.3 | 127.6 | 127.7 |
| 60° | 113.7 | 112.9 | 112.3 | 112.3 | 112.6 | 113.8 | 114.8 | 116.1 | 116.9 | 117.8 | 118.3 |
| 62.5° | 103.9 | 103.1 | 102.5 | 102.9 | 103.9 | 104.6 | 105.7 | 106.5 | 107.3 | 108.1 | 108.3 |
| 65° | 88.6 | 88.3 | 88.8 | 89.2 | 89.4 | 90.3 | 91.7 | 92.3 | 93.1 | 93.5 | 94.9 |
| 67.5° | 74.5 | 74.6 | 74.5 | 75.0 | 76.2 | 76.4 | 77.7 | 79.0 | 79.2 | 80.0 | 80.8 |
| 70° | 64.9 | 65.3 | 65.7 | 66.1 | 67.1 | 67.5 | 68.4 | 69.1 | 69.8 | 70.4 | 71.0 |
| 72.5° | 56.1 | 56.2 | 56.7 | 56.6 | 57.4 | 58.2 | 59.1 | 59.7 | 60.4 | 61.2 | 61.7 |
| 75° | 43.2 | 43.2 | 43.7 | 43.8 | 44.8 | 45.8 | 45.5 | 46.0 | 46.8 | 47.5 | 48.0 |
| 77.5° | 31.6 | 31.2 | 31.6 | 31.8 | 32.1 | 32.9 | 33.1 | 33.6 | 34.5 | 34.3 | 34.7 |
| 80° | 24.0 | 23.5 | 24.0 | 24.3 | 24.3 | 25.2 | 25.2 | 25.7 | 26.2 | 25.7 | 26.2 |
| 82.5° | 17.1 | 16.9 | 17.3 | 17.4 | 17.7 | 17.7 | 18.0 | 18.1 | 18.7 | 18.4 | 18.7 |
| 85° | 8.6 | 8.4 | 8.6 | 8.4 | 8.6 | 8.8 | 8.8 | 8.6 | 8.6 | 9.0 | 8.4 |
| 87.5° | 3.4 | 3.4 | 3.6 | 3.9 | 4.0 | 4.1 | 4.0 | 4.0 | 4.0 | 3.6 | 3.6 |
| 90° | 3.5 | 4.7 | 6.2 | 7.7 | 9.1 | 10.7 | 10.5 | 10.4 | 10.2 | 10.1 | 10.1 |
| 92.5° | 7.8 | 8.3 | 8.6 | 9.0 | 9.3 | 9.6 | 9.7 | 9.7 | 9.7 | 9.8 | 9.8 |
| 95° | 18.5 | 18.9 | 19.0 | 19.2 | 19.4 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.4 |
| 97.5° | 31.3 | 31.7 | 31.9 | 32.2 | 32.5 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 |
| 100° | 40.8 | 41.2 | 41.3 | 41.6 | 41.8 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 41.9 |
| 102.5° | 50.5 | 51.0 | 51.1 | 51.4 | 51.7 | 51.9 | 52.0 | 52.1 | 52.1 | 52.2 | 52.2 |
| 105° | 66.2 | 66.4 | 66.6 | 66.6 | 66.8 | 66.9 | 67.1 | 67.2 | 67.3 | 67.5 | 67.5 |
| 107.5° | 83.3 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.5 | 83.6 | 83.6 | 83.5 |
| 110° | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.5 |



TEST NUMBER: P331241-935

CATALOG NUMBER: S122DIP-S290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 106.1 | 106.2 | 106.2 | 106.2 | 106.1 | 106.1 | 105.9 | 105.7 | 105.6 | 105.4 | 105.2 |
| 115° | 123.3 | 123.5 | 123.3 | 123.1 | 123.0 | 122.9 | 122.9 | 122.8 | 122.7 | 122.6 | 122.5 |
| 117.5° | 141.0 | 141.1 | 140.7 | 140.3 | 139.9 | 139.6 | 139.4 | 139.2 | 139.1 | 138.9 | 138.7 |
| 120° | 152.4 | 152.4 | 151.9 | 151.4 | 150.8 | 150.2 | 150.2 | 150.2 | 150.2 | 150.2 | 150.2 |
| 122.5° | 163.3 | 163.5 | 163.1 | 162.7 | 162.3 | 162.0 | 161.8 | 161.6 | 161.4 | 161.3 | 161.2 |
| 125° | 179.4 | 179.7 | 179.4 | 179.3 | 179.1 | 178.8 | 178.7 | 178.5 | 178.2 | 178.1 | 177.9 |
| 127.5° | 196.0 | 196.2 | 196.0 | 195.8 | 195.5 | 195.3 | 195.0 | 194.8 | 194.6 | 194.3 | 194.1 |
| 130° | 206.4 | 206.8 | 206.6 | 206.6 | 206.4 | 206.2 | 206.1 | 206.0 | 205.9 | 205.7 | 205.5 |
| 132.5° | 217.0 | 217.3 | 217.3 | 217.4 | 217.4 | 217.4 | 217.1 | 216.8 | 216.5 | 216.3 | 216.0 |
| 135° | 232.0 | 232.5 | 232.6 | 232.7 | 232.9 | 233.0 | 232.9 | 232.9 | 232.8 | 232.7 | 232.6 |
| 137.5° | 247.3 | 247.6 | 247.8 | 248.0 | 248.1 | 248.3 | 248.3 | 248.2 | 248.1 | 248.1 | 248.0 |
| 140° | 256.8 | 257.2 | 257.5 | 257.9 | 258.2 | 258.6 | 258.6 | 258.6 | 258.6 | 258.6 | 258.4 |
| 142.5° | 266.5 | 266.9 | 267.1 | 267.3 | 267.6 | 267.8 | 267.9 | 267.9 | 267.9 | 268.0 | 267.9 |
| 145° | 279.9 | 280.3 | 280.8 | 281.2 | 281.5 | 282.0 | 282.1 | 282.1 | 282.1 | 282.2 | 282.1 |
| 147.5° | 292.7 | 293.2 | 293.4 | 293.8 | 294.0 | 294.3 | 294.5 | 294.5 | 294.7 | 294.9 | 294.8 |
| 150° | 300.7 | 301.0 | 301.3 | 301.5 | 301.8 | 302.0 | 302.3 | 302.5 | 302.6 | 302.9 | 302.9 |
| 152.5° | 308.2 | 308.6 | 308.8 | 309.2 | 309.5 | 309.9 | 310.1 | 310.4 | 310.6 | 310.9 | 310.9 |
| 155° | 318.7 | 318.9 | 319.1 | 319.3 | 319.5 | 319.7 | 320.0 | 320.4 | 320.7 | 321.1 | 321.2 |
| 157.5° | 328.1 | 328.2 | 328.4 | 328.5 | 328.6 | 328.7 | 329.2 | 329.6 | 330.1 | 330.5 | 330.6 |
| 160° | 333.9 | 334.1 | 334.1 | 334.2 | 334.2 | 334.3 | 334.7 | 335.1 | 335.5 | 336.0 | 336.0 |
| 162.5° | 338.9 | 338.9 | 339.0 | 339.1 | 339.1 | 339.1 | 339.7 | 340.1 | 340.5 | 341.0 | 341.0 |
| 165° | 345.6 | 345.5 | 345.5 | 345.5 | 345.5 | 345.5 | 346.0 | 346.5 | 347.0 | 347.4 | 347.5 |
| 167.5° | 351.0 | 350.9 | 350.9 | 350.9 | 350.9 | 350.9 | 351.3 | 351.8 | 352.2 | 352.8 | 352.8 |
| 170° | 354.2 | 354.0 | 354.0 | 353.9 | 353.9 | 353.8 | 354.2 | 354.7 | 355.2 | 355.7 | 355.7 |
| 172.5° | 356.4 | 356.2 | 356.2 | 356.1 | 356.0 | 355.9 | 356.5 | 356.9 | 357.4 | 357.8 | 357.9 |
| 175° | 359.0 | 358.9 | 358.8 | 358.6 | 358.4 | 358.3 | 358.8 | 359.3 | 359.7 | 360.2 | 360.2 |
| 177.5° | 360.3 | 360.2 | 360.1 | 360.0 | 359.8 | 359.7 | 360.1 | 360.4 | 360.7 | 361.0 | 361.0 |
| 180° | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 |



TEST NUMBER: P331241-935

CATALOG NUMBER: S122DIP-S290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 |
| 2.5° | 488.1 | 487.8 | 487.8 | 486.4 | 487.8 | 487.8 | 488.1 | 489.7 | 490.2 | 490.4 | 489.8 |
| 5° | 452.8 | 452.2 | 451.3 | 452.2 | 451.3 | 452.2 | 452.8 | 455.6 | 456.9 | 458.2 | 459.4 |
| 7.5° | 417.8 | 415.5 | 415.2 | 412.8 | 415.2 | 415.5 | 417.8 | 419.1 | 421.9 | 425.0 | 427.8 |
| 10° | 392.4 | 390.8 | 390.5 | 386.8 | 390.5 | 390.8 | 392.4 | 395.7 | 398.4 | 402.1 | 406.0 |
| 12.5° | 373.0 | 369.2 | 370.0 | 367.8 | 370.0 | 369.2 | 373.0 | 373.0 | 376.2 | 378.5 | 384.6 |
| 15° | 339.3 | 339.3 | 338.5 | 335.3 | 338.5 | 339.3 | 339.3 | 344.7 | 345.6 | 349.3 | 354.6 |
| 17.5° | 315.2 | 314.8 | 313.0 | 313.9 | 313.0 | 314.8 | 315.2 | 319.1 | 319.8 | 324.7 | 329.1 |
| 20° | 300.8 | 299.6 | 297.3 | 297.3 | 297.3 | 299.6 | 300.8 | 303.0 | 305.5 | 308.4 | 312.2 |
| 22.5° | 287.2 | 287.1 | 284.6 | 285.4 | 284.6 | 287.1 | 287.2 | 289.2 | 291.6 | 294.8 | 297.9 |
| 25° | 271.3 | 269.8 | 268.5 | 269.1 | 268.5 | 269.8 | 271.3 | 271.5 | 274.2 | 276.4 | 278.4 |
| 27.5° | 256.1 | 255.3 | 255.2 | 253.7 | 255.2 | 255.3 | 256.1 | 256.7 | 258.2 | 259.5 | 261.3 |
| 30° | 247.5 | 245.5 | 245.8 | 244.9 | 245.8 | 245.5 | 247.5 | 247.6 | 248.4 | 249.2 | 251.3 |
| 32.5° | 237.4 | 236.7 | 236.3 | 235.5 | 236.3 | 236.7 | 237.4 | 237.7 | 239.4 | 240.1 | 241.8 |
| 35° | 223.8 | 223.9 | 223.0 | 223.3 | 223.0 | 223.9 | 223.8 | 224.1 | 224.4 | 225.2 | 226.7 |
| 37.5° | 211.8 | 212.4 | 212.0 | 212.1 | 212.0 | 212.4 | 211.8 | 212.0 | 212.2 | 212.3 | 212.8 |
| 40° | 204.0 | 204.0 | 204.0 | 204.6 | 204.0 | 204.0 | 204.0 | 203.5 | 203.6 | 203.5 | 203.5 |
| 42.5° | 196.5 | 196.1 | 195.9 | 195.8 | 195.9 | 196.1 | 196.5 | 195.1 | 195.8 | 195.1 | 194.8 |
| 45° | 183.7 | 184.3 | 184.4 | 183.5 | 184.4 | 184.3 | 183.7 | 183.3 | 182.7 | 182.4 | 182.3 |
| 47.5° | 172.0 | 172.1 | 172.0 | 172.9 | 172.0 | 172.1 | 172.0 | 171.5 | 170.7 | 170.3 | 169.4 |
| 50° | 163.9 | 163.5 | 163.9 | 163.5 | 163.9 | 163.5 | 163.9 | 162.9 | 162.3 | 161.4 | 160.6 |
| 52.5° | 155.3 | 155.4 | 155.2 | 155.1 | 155.2 | 155.4 | 155.3 | 154.0 | 153.8 | 153.3 | 152.1 |
| 55° | 141.8 | 142.2 | 142.0 | 142.0 | 142.0 | 142.2 | 141.8 | 141.0 | 140.9 | 139.7 | 138.4 |
| 57.5° | 127.9 | 128.2 | 128.5 | 127.6 | 128.5 | 128.2 | 127.9 | 127.7 | 127.6 | 126.3 | 125.1 |
| 60° | 118.1 | 119.1 | 118.9 | 118.6 | 118.9 | 119.1 | 118.1 | 118.3 | 117.8 | 116.9 | 116.1 |
| 62.5° | 109.2 | 109.6 | 109.5 | 109.4 | 109.5 | 109.6 | 109.2 | 108.3 | 108.1 | 107.3 | 106.5 |
| 65° | 95.5 | 95.8 | 95.2 | 95.8 | 95.2 | 95.8 | 95.5 | 94.9 | 93.5 | 93.1 | 92.3 |
| 67.5° | 80.6 | 80.8 | 81.2 | 81.5 | 81.2 | 80.8 | 80.6 | 80.8 | 80.0 | 79.2 | 79.0 |
| 70° | 71.4 | 71.2 | 71.8 | 72.4 | 71.8 | 71.2 | 71.4 | 71.0 | 70.4 | 69.8 | 69.1 |
| 72.5° | 61.6 | 62.1 | 61.9 | 62.3 | 61.9 | 62.1 | 61.6 | 61.7 | 61.2 | 60.4 | 59.7 |
| 75° | 47.5 | 48.1 | 48.0 | 48.5 | 48.0 | 48.1 | 47.5 | 48.0 | 47.5 | 46.8 | 46.0 |
| 77.5° | 34.4 | 34.4 | 34.4 | 34.7 | 34.4 | 34.4 | 34.4 | 34.7 | 34.3 | 34.5 | 33.6 |
| 80° | 26.2 | 25.8 | 25.4 | 26.2 | 25.4 | 25.8 | 26.2 | 26.2 | 25.7 | 26.2 | 25.7 |
| 82.5° | 18.3 | 18.4 | 18.1 | 18.1 | 18.1 | 18.4 | 18.3 | 18.7 | 18.4 | 18.7 | 18.1 |
| 85° | 8.4 | 8.2 | 7.8 | 7.8 | 7.8 | 8.2 | 8.4 | 8.4 | 9.0 | 8.6 | 8.6 |
| 87.5° | 3.6 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.6 | 3.6 | 3.6 | 4.0 | 4.0 |
| 90° | 10.2 | 10.2 | 10.2 | 10.3 | 10.2 | 10.2 | 10.2 | 10.1 | 10.1 | 10.2 | 10.4 |
| 92.5° | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.7 | 9.7 |
| 95° | 19.3 | 19.1 | 19.0 | 18.9 | 19.0 | 19.1 | 19.3 | 19.4 | 19.5 | 19.5 | 19.5 |
| 97.5° | 32.7 | 32.7 | 32.7 | 32.6 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 |
| 100° | 41.8 | 41.8 | 41.8 | 41.7 | 41.8 | 41.8 | 41.8 | 41.9 | 42.0 | 42.0 | 42.0 |
| 102.5° | 52.1 | 52.0 | 52.0 | 51.9 | 52.0 | 52.0 | 52.1 | 52.2 | 52.2 | 52.1 | 52.1 |
| 105° | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.3 | 67.2 |
| 107.5° | 83.2 | 82.9 | 82.6 | 82.2 | 82.6 | 82.9 | 83.2 | 83.5 | 83.6 | 83.6 | 83.5 |
| 110° | 94.3 | 94.1 | 93.9 | 93.7 | 93.9 | 94.1 | 94.3 | 94.5 | 94.6 | 94.6 | 94.6 |



TEST NUMBER: P331241-935

CATALOG NUMBER: S122DIP-S290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 105.1 | 105.0 | 104.8 | 104.6 | 104.8 | 105.0 | 105.1 | 105.2 | 105.4 | 105.6 | 105.7 |
| 115° | 122.3 | 122.1 | 121.9 | 121.7 | 121.9 | 122.1 | 122.3 | 122.5 | 122.6 | 122.7 | 122.8 |
| 117.5° | 138.5 | 138.4 | 138.1 | 137.9 | 138.1 | 138.4 | 138.5 | 138.7 | 138.9 | 139.1 | 139.2 |
| 120° | 150.0 | 149.7 | 149.6 | 149.4 | 149.6 | 149.7 | 150.0 | 150.2 | 150.2 | 150.2 | 150.2 |
| 122.5° | 161.0 | 160.8 | 160.7 | 160.6 | 160.7 | 160.8 | 161.0 | 161.2 | 161.3 | 161.4 | 161.6 |
| 125° | 177.9 | 177.8 | 177.7 | 177.6 | 177.7 | 177.8 | 177.9 | 177.9 | 178.1 | 178.2 | 178.5 |
| 127.5° | 193.9 | 193.6 | 193.5 | 193.2 | 193.5 | 193.6 | 193.9 | 194.1 | 194.3 | 194.6 | 194.8 |
| 130° | 205.3 | 204.9 | 204.7 | 204.4 | 204.7 | 204.9 | 205.3 | 205.5 | 205.7 | 205.9 | 206.0 |
| 132.5° | 215.8 | 215.6 | 215.3 | 215.2 | 215.3 | 215.6 | 215.8 | 216.0 | 216.3 | 216.5 | 216.8 |
| 135° | 232.4 | 232.2 | 232.0 | 231.8 | 232.0 | 232.2 | 232.4 | 232.6 | 232.7 | 232.8 | 232.9 |
| 137.5° | 247.7 | 247.5 | 247.2 | 246.8 | 247.2 | 247.5 | 247.7 | 248.0 | 248.1 | 248.1 | 248.2 |
| 140° | 258.1 | 257.9 | 257.6 | 257.4 | 257.6 | 257.9 | 258.1 | 258.4 | 258.6 | 258.6 | 258.6 |
| 142.5° | 267.7 | 267.3 | 267.1 | 266.8 | 267.1 | 267.3 | 267.7 | 267.9 | 268.0 | 267.9 | 267.9 |
| 145° | 281.9 | 281.6 | 281.4 | 281.0 | 281.4 | 281.6 | 281.9 | 282.1 | 282.2 | 282.1 | 282.1 |
| 147.5° | 294.5 | 294.3 | 294.0 | 293.8 | 294.0 | 294.3 | 294.5 | 294.8 | 294.9 | 294.7 | 294.5 |
| 150° | 302.6 | 302.5 | 302.3 | 302.0 | 302.3 | 302.5 | 302.6 | 302.9 | 302.9 | 302.6 | 302.5 |
| 152.5° | 310.6 | 310.4 | 310.1 | 309.9 | 310.1 | 310.4 | 310.6 | 310.9 | 310.9 | 310.6 | 310.4 |
| 155° | 320.9 | 320.7 | 320.6 | 320.3 | 320.6 | 320.7 | 320.9 | 321.2 | 321.1 | 320.7 | 320.4 |
| 157.5° | 330.3 | 329.9 | 329.7 | 329.3 | 329.7 | 329.9 | 330.3 | 330.6 | 330.5 | 330.1 | 329.6 |
| 160° | 335.7 | 335.4 | 335.2 | 334.9 | 335.2 | 335.4 | 335.7 | 336.0 | 336.0 | 335.5 | 335.1 |
| 162.5° | 340.8 | 340.4 | 340.1 | 339.8 | 340.1 | 340.4 | 340.8 | 341.0 | 341.0 | 340.5 | 340.1 |
| 165° | 347.2 | 346.8 | 346.5 | 346.2 | 346.5 | 346.8 | 347.2 | 347.5 | 347.4 | 347.0 | 346.5 |
| 167.5° | 352.5 | 352.1 | 351.7 | 351.4 | 351.7 | 352.1 | 352.5 | 352.8 | 352.8 | 352.2 | 351.8 |
| 170° | 355.3 | 354.9 | 354.5 | 354.0 | 354.5 | 354.9 | 355.3 | 355.7 | 355.7 | 355.2 | 354.7 |
| 172.5° | 357.5 | 357.1 | 356.7 | 356.3 | 356.7 | 357.1 | 357.5 | 357.9 | 357.8 | 357.4 | 356.9 |
| 175° | 359.9 | 359.5 | 359.0 | 358.6 | 359.0 | 359.5 | 359.9 | 360.2 | 360.2 | 359.7 | 359.3 |
| 177.5° | 360.7 | 360.4 | 360.1 | 359.7 | 360.1 | 360.4 | 360.7 | 361.0 | 361.0 | 360.7 | 360.4 |
| 180° | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 |



TEST NUMBER: P331241-935

CATALOG NUMBER: S122DIP-S290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 |
| 2.5° | 489.0 | 490.8 | 493.4 | 496.3 | 498.0 | 501.3 | 502.2 | 503.8 | 505.1 | 508.4 | 511.9 |
| 5° | 460.8 | 463.6 | 470.0 | 473.6 | 478.4 | 484.1 | 487.8 | 491.7 | 496.0 | 503.4 | 510.3 |
| 7.5° | 430.5 | 435.1 | 443.2 | 449.7 | 456.7 | 464.8 | 470.6 | 478.4 | 484.8 | 495.3 | 505.3 |
| 10° | 410.4 | 416.8 | 424.0 | 431.9 | 441.6 | 450.2 | 458.5 | 468.2 | 476.0 | 488.6 | 500.3 |
| 12.5° | 392.2 | 393.1 | 403.6 | 412.2 | 425.5 | 436.2 | 445.7 | 458.2 | 465.9 | 480.8 | 493.1 |
| 15° | 360.5 | 366.4 | 375.7 | 382.5 | 398.4 | 411.9 | 425.2 | 438.3 | 447.1 | 465.5 | 481.7 |
| 17.5° | 333.7 | 339.1 | 348.8 | 360.0 | 371.3 | 384.8 | 402.0 | 415.9 | 427.8 | 448.8 | 468.0 |
| 20° | 316.8 | 323.5 | 333.3 | 344.8 | 354.8 | 369.5 | 384.4 | 400.2 | 413.1 | 436.8 | 459.3 |
| 22.5° | 302.5 | 307.7 | 315.6 | 327.0 | 337.9 | 351.3 | 367.6 | 384.9 | 398.4 | 424.0 | 446.7 |
| 25° | 282.2 | 286.5 | 291.6 | 301.0 | 313.3 | 328.0 | 340.7 | 359.7 | 379.4 | 403.3 | 430.8 |
| 27.5° | 264.0 | 267.1 | 271.6 | 279.8 | 289.4 | 303.1 | 317.2 | 335.2 | 355.1 | 381.0 | 410.1 |
| 30° | 252.9 | 254.9 | 259.3 | 266.2 | 275.6 | 286.4 | 300.7 | 317.8 | 338.2 | 364.4 | 393.3 |
| 32.5° | 243.2 | 245.0 | 248.0 | 254.4 | 262.6 | 271.8 | 284.6 | 301.9 | 321.2 | 347.0 | 379.1 |
| 35° | 228.7 | 230.0 | 232.6 | 237.8 | 242.4 | 251.3 | 262.1 | 277.8 | 295.9 | 320.6 | 353.8 |
| 37.5° | 214.1 | 216.0 | 217.6 | 219.8 | 225.6 | 231.5 | 240.8 | 254.1 | 271.9 | 296.8 | 328.5 |
| 40° | 204.6 | 206.1 | 208.5 | 209.5 | 214.1 | 219.5 | 227.0 | 239.2 | 257.2 | 279.9 | 310.8 |
| 42.5° | 194.8 | 196.5 | 197.9 | 199.0 | 203.0 | 207.7 | 214.6 | 225.0 | 240.9 | 262.9 | 293.6 |
| 45° | 181.7 | 181.9 | 183.3 | 185.5 | 187.4 | 190.7 | 195.6 | 204.6 | 216.9 | 237.6 | 265.4 |
| 47.5° | 168.3 | 168.6 | 168.8 | 169.7 | 171.9 | 174.9 | 178.1 | 185.5 | 196.5 | 213.0 | 240.0 |
| 50° | 159.4 | 159.0 | 159.4 | 160.1 | 161.5 | 164.1 | 167.8 | 173.1 | 182.1 | 197.5 | 222.4 |
| 52.5° | 150.8 | 150.8 | 150.5 | 150.8 | 151.9 | 153.6 | 156.3 | 160.7 | 168.8 | 183.0 | 204.8 |
| 55° | 137.7 | 136.7 | 136.9 | 136.1 | 137.9 | 138.3 | 140.3 | 144.0 | 151.0 | 160.7 | 181.3 |
| 57.5° | 123.7 | 123.0 | 122.1 | 121.8 | 121.7 | 122.7 | 124.2 | 127.2 | 132.6 | 141.2 | 157.8 |
| 60° | 114.8 | 113.8 | 112.6 | 112.3 | 112.3 | 112.9 | 113.7 | 115.8 | 120.9 | 128.5 | 142.2 |
| 62.5° | 105.7 | 104.6 | 103.9 | 102.9 | 102.5 | 103.1 | 103.9 | 105.5 | 109.2 | 116.3 | 128.1 |
| 65° | 91.7 | 90.3 | 89.4 | 89.2 | 88.8 | 88.3 | 88.6 | 90.1 | 93.1 | 98.8 | 108.1 |
| 67.5° | 77.7 | 76.4 | 76.2 | 75.0 | 74.5 | 74.6 | 74.5 | 75.8 | 77.6 | 82.5 | 89.5 |
| 70° | 68.4 | 67.5 | 67.1 | 66.1 | 65.7 | 65.3 | 64.9 | 66.1 | 67.8 | 72.0 | 78.0 |
| 72.5° | 59.1 | 58.2 | 57.4 | 56.6 | 56.7 | 56.2 | 56.1 | 56.9 | 58.3 | 62.1 | 66.8 |
| 75° | 45.5 | 45.8 | 44.8 | 43.8 | 43.7 | 43.2 | 43.2 | 43.8 | 44.4 | 47.4 | 51.1 |
| 77.5° | 33.1 | 32.9 | 32.1 | 31.8 | 31.6 | 31.2 | 31.6 | 31.9 | 32.3 | 34.3 | 36.9 |
| 80° | 25.2 | 25.2 | 24.3 | 24.3 | 24.0 | 23.5 | 24.0 | 23.7 | 24.5 | 26.4 | 28.3 |
| 82.5° | 18.0 | 17.7 | 17.7 | 17.4 | 17.3 | 16.9 | 17.1 | 17.6 | 17.9 | 19.2 | 20.4 |
| 85° | 8.8 | 8.8 | 8.6 | 8.4 | 8.6 | 8.4 | 8.6 | 8.8 | 9.0 | 9.6 | 10.6 |
| 87.5° | 4.0 | 4.1 | 4.0 | 3.9 | 3.6 | 3.4 | 3.4 | 3.4 | 3.5 | 3.5 | 3.5 |
| 90° | 10.5 | 10.7 | 9.1 | 7.7 | 6.2 | 4.7 | 3.5 | 2.8 | 1.9 | 1.1 | 0.3 |
| 92.5° | 9.7 | 9.6 | 9.3 | 9.0 | 8.6 | 8.3 | 7.8 | 7.2 | 6.6 | 6.0 | 5.4 |
| 95° | 19.5 | 19.5 | 19.4 | 19.2 | 19.0 | 18.9 | 18.5 | 17.8 | 17.1 | 16.5 | 15.8 |
| 97.5° | 32.7 | 32.7 | 32.5 | 32.2 | 31.9 | 31.7 | 31.3 | 30.7 | 30.0 | 29.5 | 28.9 |
| 100° | 42.0 | 42.0 | 41.8 | 41.6 | 41.3 | 41.2 | 40.8 | 40.3 | 39.7 | 39.2 | 38.7 |
| 102.5° | 52.0 | 51.9 | 51.7 | 51.4 | 51.1 | 51.0 | 50.5 | 50.1 | 49.7 | 49.2 | 48.8 |
| 105° | 67.1 | 66.9 | 66.8 | 66.6 | 66.6 | 66.4 | 66.2 | 66.0 | 65.8 | 65.6 | 65.4 |
| 107.5° | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.3 | 83.0 | 82.7 | 82.4 | 82.1 |
| 110° | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.4 | 94.0 | 93.6 | 93.2 | 92.8 |



TEST NUMBER: P331241-935

CATALOG NUMBER: S122DIP-S290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 105.9 | 106.1 | 106.1 | 106.2 | 106.2 | 106.2 | 106.1 | 105.6 | 105.3 | 104.9 | 104.4 |
| 115° | 122.9 | 122.9 | 123.0 | 123.1 | 123.3 | 123.5 | 123.3 | 122.9 | 122.5 | 122.1 | 121.7 |
| 117.5° | 139.4 | 139.6 | 139.9 | 140.3 | 140.7 | 141.1 | 141.0 | 140.4 | 139.9 | 139.4 | 138.8 |
| 120° | 150.2 | 150.2 | 150.8 | 151.4 | 151.9 | 152.4 | 152.4 | 151.9 | 151.4 | 150.8 | 150.2 |
| 122.5° | 161.8 | 162.0 | 162.3 | 162.7 | 163.1 | 163.5 | 163.3 | 162.6 | 162.0 | 161.4 | 160.7 |
| 125° | 178.7 | 178.8 | 179.1 | 179.3 | 179.4 | 179.7 | 179.4 | 178.8 | 178.2 | 177.6 | 177.0 |
| 127.5° | 195.0 | 195.3 | 195.5 | 195.8 | 196.0 | 196.2 | 196.0 | 195.2 | 194.5 | 193.7 | 193.0 |
| 130° | 206.1 | 206.2 | 206.4 | 206.6 | 206.6 | 206.8 | 206.4 | 205.5 | 204.7 | 203.8 | 202.9 |
| 132.5° | 217.1 | 217.4 | 217.4 | 217.4 | 217.3 | 217.3 | 217.0 | 216.2 | 215.5 | 214.8 | 214.1 |
| 135° | 232.9 | 233.0 | 232.9 | 232.7 | 232.6 | 232.5 | 232.0 | 231.3 | 230.6 | 229.8 | 229.0 |
| 137.5° | 248.3 | 248.3 | 248.1 | 248.0 | 247.8 | 247.6 | 247.3 | 246.7 | 246.0 | 245.4 | 244.8 |
| 140° | 258.6 | 258.6 | 258.2 | 257.9 | 257.5 | 257.2 | 256.8 | 256.1 | 255.5 | 254.9 | 254.3 |
| 142.5° | 267.9 | 267.8 | 267.6 | 267.3 | 267.1 | 266.9 | 266.5 | 265.9 | 265.3 | 264.7 | 264.1 |
| 145° | 282.1 | 282.0 | 281.5 | 281.2 | 280.8 | 280.3 | 279.9 | 279.5 | 279.0 | 278.5 | 278.0 |
| 147.5° | 294.5 | 294.3 | 294.0 | 293.8 | 293.4 | 293.2 | 292.7 | 292.2 | 291.6 | 291.1 | 290.5 |
| 150° | 302.3 | 302.0 | 301.8 | 301.5 | 301.3 | 301.0 | 300.7 | 300.2 | 299.8 | 299.5 | 299.0 |
| 152.5° | 310.1 | 309.9 | 309.5 | 309.2 | 308.8 | 308.6 | 308.2 | 307.8 | 307.4 | 306.9 | 306.6 |
| 155° | 320.0 | 319.7 | 319.5 | 319.3 | 319.1 | 318.9 | 318.7 | 318.5 | 318.3 | 318.1 | 317.9 |
| 157.5° | 329.2 | 328.7 | 328.6 | 328.5 | 328.4 | 328.2 | 328.1 | 328.0 | 327.8 | 327.7 | 327.5 |
| 160° | 334.7 | 334.3 | 334.2 | 334.2 | 334.1 | 334.1 | 333.9 | 333.8 | 333.6 | 333.6 | 333.4 |
| 162.5° | 339.7 | 339.1 | 339.1 | 339.1 | 339.0 | 338.9 | 338.9 | 338.8 | 338.8 | 338.8 | 338.7 |
| 165° | 346.0 | 345.5 | 345.5 | 345.5 | 345.5 | 345.5 | 345.6 | 345.7 | 345.7 | 345.8 | 345.9 |
| 167.5° | 351.3 | 350.9 | 350.9 | 350.9 | 350.9 | 350.9 | 351.0 | 351.2 | 351.5 | 351.6 | 351.8 |
| 170° | 354.2 | 353.8 | 353.9 | 353.9 | 354.0 | 354.0 | 354.2 | 354.4 | 354.6 | 354.8 | 355.0 |
| 172.5° | 356.5 | 355.9 | 356.0 | 356.1 | 356.2 | 356.2 | 356.4 | 356.5 | 356.8 | 357.0 | 357.1 |
| 175° | 358.8 | 358.3 | 358.4 | 358.6 | 358.8 | 358.9 | 359.0 | 359.2 | 359.5 | 359.6 | 359.9 |
| 177.5° | 360.1 | 359.7 | 359.8 | 360.0 | 360.1 | 360.2 | 360.3 | 360.5 | 360.6 | 360.8 | 360.9 |
| 180° | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 |



TEST NUMBER: P331241-935

CATALOG NUMBER: S122DIP-S290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 |
| 2.5° | 511.6 | 512.4 | 514.9 | 517.4 | 520.2 | 521.0 | 522.2 | 521.2 | 520.8 | 523.7 | 526.0 |
| 5° | 513.1 | 516.5 | 523.4 | 529.7 | 534.9 | 538.6 | 542.6 | 544.2 | 547.1 | 551.1 | 556.3 |
| 7.5° | 511.3 | 518.2 | 529.0 | 538.1 | 548.0 | 555.2 | 560.8 | 565.6 | 571.4 | 579.1 | 587.6 |
| 10° | 509.5 | 518.7 | 531.8 | 542.9 | 555.1 | 564.3 | 571.9 | 579.4 | 588.0 | 598.7 | 609.8 |
| 12.5° | 506.1 | 516.9 | 533.4 | 546.6 | 562.1 | 571.2 | 581.4 | 597.4 | 606.7 | 621.7 | 637.4 |
| 15° | 499.1 | 511.3 | 534.2 | 550.4 | 568.0 | 585.2 | 604.2 | 619.4 | 634.6 | 643.5 | 665.6 |
| 17.5° | 488.9 | 506.6 | 532.0 | 551.0 | 573.3 | 600.4 | 621.7 | 639.0 | 656.6 | 670.9 | 682.0 |
| 20° | 480.5 | 499.9 | 528.9 | 551.6 | 578.2 | 607.3 | 631.7 | 649.4 | 664.6 | 676.6 | 683.4 |
| 22.5° | 470.1 | 494.5 | 522.6 | 549.2 | 583.2 | 612.0 | 637.7 | 651.5 | 664.3 | 670.1 | 672.8 |
| 25° | 453.6 | 482.9 | 514.8 | 547.3 | 585.6 | 616.1 | 639.6 | 648.0 | 651.7 | 646.0 | 636.6 |
| 27.5° | 435.8 | 468.5 | 505.8 | 543.5 | 584.1 | 613.5 | 630.3 | 629.0 | 622.7 | 604.2 | 589.6 |
| 30° | 422.5 | 458.5 | 498.5 | 539.8 | 580.5 | 609.1 | 618.8 | 609.1 | 594.8 | 574.3 | 553.3 |
| 32.5° | 408.5 | 445.8 | 490.9 | 534.5 | 573.9 | 599.1 | 601.2 | 584.4 | 562.2 | 538.9 | 512.8 |
| 35° | 387.4 | 427.7 | 476.5 | 522.6 | 560.0 | 575.8 | 566.5 | 536.7 | 510.5 | 478.6 | 443.0 |
| 37.5° | 363.6 | 408.1 | 456.9 | 505.2 | 539.1 | 543.2 | 519.9 | 488.6 | 451.6 | 414.1 | 372.2 |
| 40° | 345.8 | 393.0 | 443.2 | 491.9 | 521.9 | 517.5 | 487.8 | 453.4 | 409.4 | 363.6 | 324.7 |
| 42.5° | 329.8 | 376.9 | 428.2 | 476.0 | 499.9 | 488.1 | 453.4 | 411.1 | 363.9 | 320.7 | 285.1 |
| 45° | 302.2 | 350.7 | 403.1 | 449.3 | 463.0 | 441.6 | 395.7 | 348.7 | 302.2 | 266.2 | 238.1 |
| 47.5° | 275.3 | 323.3 | 375.2 | 415.8 | 420.6 | 391.9 | 341.7 | 293.4 | 253.4 | 224.1 | 204.2 |
| 50° | 255.6 | 303.8 | 355.2 | 391.4 | 389.8 | 355.2 | 303.6 | 257.6 | 224.1 | 200.4 | 187.2 |
| 52.5° | 238.0 | 283.4 | 332.8 | 365.8 | 357.4 | 319.7 | 270.4 | 229.5 | 202.1 | 183.6 | 171.5 |
| 55° | 210.4 | 252.5 | 299.5 | 325.9 | 310.6 | 268.7 | 227.0 | 194.2 | 173.8 | 160.0 | 150.6 |
| 57.5° | 183.1 | 222.6 | 262.8 | 279.1 | 262.2 | 223.5 | 188.8 | 165.0 | 149.6 | 139.4 | 133.3 |
| 60° | 166.3 | 200.7 | 236.4 | 250.6 | 230.4 | 196.0 | 168.6 | 147.3 | 134.9 | 126.6 | 121.1 |
| 62.5° | 149.4 | 180.2 | 214.0 | 221.6 | 203.2 | 174.1 | 149.8 | 132.1 | 122.0 | 114.5 | 109.3 |
| 65° | 126.3 | 151.6 | 177.2 | 182.3 | 165.3 | 142.8 | 123.6 | 112.1 | 103.1 | 97.6 | 93.5 |
| 67.5° | 103.7 | 123.9 | 142.1 | 146.1 | 131.2 | 115.6 | 101.8 | 91.7 | 85.7 | 81.1 | 77.6 |
| 70° | 90.1 | 106.2 | 121.1 | 124.4 | 112.4 | 98.6 | 88.0 | 80.0 | 74.5 | 70.6 | 67.2 |
| 72.5° | 75.9 | 89.3 | 101.7 | 103.9 | 94.2 | 83.5 | 74.9 | 68.5 | 63.7 | 61.2 | 58.0 |
| 75° | 58.1 | 66.0 | 75.5 | 76.1 | 69.7 | 63.2 | 56.6 | 52.4 | 49.9 | 46.8 | 45.2 |
| 77.5° | 41.0 | 47.1 | 52.6 | 53.6 | 49.9 | 45.5 | 41.8 | 38.5 | 36.3 | 34.9 | 33.4 |
| 80° | 31.3 | 36.2 | 38.6 | 39.9 | 37.2 | 34.0 | 31.9 | 29.7 | 28.3 | 27.4 | 26.4 |
| 82.5° | 22.4 | 25.4 | 27.6 | 28.7 | 27.1 | 25.2 | 23.2 | 21.9 | 20.8 | 20.1 | 19.7 |
| 85° | 11.4 | 12.7 | 14.1 | 14.5 | 14.1 | 13.3 | 12.1 | 12.1 | 11.5 | 11.4 | 11.4 |
| 87.5° | 4.1 | 4.9 | 5.1 | 5.7 | 5.6 | 5.9 | 6.2 | 6.4 | 6.5 | 6.3 | 6.1 |
| 90° | 1.1 | 1.9 | 2.8 | 3.5 | 4.7 | 6.2 | 7.7 | 9.1 | 10.7 | 10.5 | 10.4 |
| 92.5° | 6.0 | 6.6 | 7.2 | 7.8 | 8.3 | 8.6 | 9.0 | 9.3 | 9.6 | 9.7 | 9.7 |
| 95° | 16.5 | 17.1 | 17.8 | 18.5 | 18.9 | 19.0 | 19.2 | 19.4 | 19.5 | 19.5 | 19.5 |
| 97.5° | 29.5 | 30.0 | 30.7 | 31.3 | 31.7 | 31.9 | 32.2 | 32.5 | 32.7 | 32.7 | 32.7 |
| 100° | 39.2 | 39.7 | 40.3 | 40.8 | 41.2 | 41.3 | 41.6 | 41.8 | 42.0 | 42.0 | 42.0 |
| 102.5° | 49.2 | 49.7 | 50.1 | 50.5 | 51.0 | 51.1 | 51.4 | 51.7 | 51.9 | 52.0 | 52.1 |
| 105° | 65.6 | 65.8 | 66.0 | 66.2 | 66.4 | 66.6 | 66.6 | 66.8 | 66.9 | 67.1 | 67.2 |
| 107.5° | 82.4 | 82.7 | 83.0 | 83.3 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.5 |
| 110° | 93.2 | 93.6 | 94.0 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |



TEST NUMBER: P331241-935

CATALOG NUMBER: S122DIP-S290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 104.9 | 105.3 | 105.6 | 106.1 | 106.2 | 106.2 | 106.2 | 106.1 | 106.1 | 105.9 | 105.7 |
| 115° | 122.1 | 122.5 | 122.9 | 123.3 | 123.5 | 123.3 | 123.1 | 123.0 | 122.9 | 122.9 | 122.8 |
| 117.5° | 139.4 | 139.9 | 140.4 | 141.0 | 141.1 | 140.7 | 140.3 | 139.9 | 139.6 | 139.4 | 139.2 |
| 120° | 150.8 | 151.4 | 151.9 | 152.4 | 152.4 | 151.9 | 151.4 | 150.8 | 150.2 | 150.2 | 150.2 |
| 122.5° | 161.4 | 162.0 | 162.6 | 163.3 | 163.5 | 163.1 | 162.7 | 162.3 | 162.0 | 161.8 | 161.6 |
| 125° | 177.6 | 178.2 | 178.8 | 179.4 | 179.7 | 179.4 | 179.3 | 179.1 | 178.8 | 178.7 | 178.5 |
| 127.5° | 193.7 | 194.5 | 195.2 | 196.0 | 196.2 | 196.0 | 195.8 | 195.5 | 195.3 | 195.0 | 194.8 |
| 130° | 203.8 | 204.7 | 205.5 | 206.4 | 206.8 | 206.6 | 206.6 | 206.4 | 206.2 | 206.1 | 206.0 |
| 132.5° | 214.8 | 215.5 | 216.2 | 217.0 | 217.3 | 217.3 | 217.4 | 217.4 | 217.4 | 217.1 | 216.8 |
| 135° | 229.8 | 230.6 | 231.3 | 232.0 | 232.5 | 232.6 | 232.7 | 232.9 | 233.0 | 232.9 | 232.9 |
| 137.5° | 245.4 | 246.0 | 246.7 | 247.3 | 247.6 | 247.8 | 248.0 | 248.1 | 248.3 | 248.3 | 248.2 |
| 140° | 254.9 | 255.5 | 256.1 | 256.8 | 257.2 | 257.5 | 257.9 | 258.2 | 258.6 | 258.6 | 258.6 |
| 142.5° | 264.7 | 265.3 | 265.9 | 266.5 | 266.9 | 267.1 | 267.3 | 267.6 | 267.8 | 267.9 | 267.9 |
| 145° | 278.5 | 279.0 | 279.5 | 279.9 | 280.3 | 280.8 | 281.2 | 281.5 | 282.0 | 282.1 | 282.1 |
| 147.5° | 291.1 | 291.6 | 292.2 | 292.7 | 293.2 | 293.4 | 293.8 | 294.0 | 294.3 | 294.5 | 294.5 |
| 150° | 299.5 | 299.8 | 300.2 | 300.7 | 301.0 | 301.3 | 301.5 | 301.8 | 302.0 | 302.3 | 302.5 |
| 152.5° | 306.9 | 307.4 | 307.8 | 308.2 | 308.6 | 308.8 | 309.2 | 309.5 | 309.9 | 310.1 | 310.4 |
| 155° | 318.1 | 318.3 | 318.5 | 318.7 | 318.9 | 319.1 | 319.3 | 319.5 | 319.7 | 320.0 | 320.4 |
| 157.5° | 327.7 | 327.8 | 328.0 | 328.1 | 328.2 | 328.4 | 328.5 | 328.6 | 328.7 | 329.2 | 329.6 |
| 160° | 333.6 | 333.6 | 333.8 | 333.9 | 334.1 | 334.1 | 334.2 | 334.2 | 334.3 | 334.7 | 335.1 |
| 162.5° | 338.8 | 338.8 | 338.8 | 338.9 | 338.9 | 339.0 | 339.1 | 339.1 | 339.1 | 339.7 | 340.1 |
| 165° | 345.8 | 345.7 | 345.7 | 345.6 | 345.5 | 345.5 | 345.5 | 345.5 | 345.5 | 346.0 | 346.5 |
| 167.5° | 351.6 | 351.5 | 351.2 | 351.0 | 350.9 | 350.9 | 350.9 | 350.9 | 350.9 | 351.3 | 351.8 |
| 170° | 354.8 | 354.6 | 354.4 | 354.2 | 354.0 | 354.0 | 353.9 | 353.9 | 353.8 | 354.2 | 354.7 |
| 172.5° | 357.0 | 356.8 | 356.5 | 356.4 | 356.2 | 356.2 | 356.1 | 356.0 | 355.9 | 356.5 | 356.9 |
| 175° | 359.6 | 359.5 | 359.2 | 359.0 | 358.9 | 358.8 | 358.6 | 358.4 | 358.3 | 358.8 | 359.3 |
| 177.5° | 360.8 | 360.6 | 360.5 | 360.3 | 360.2 | 360.1 | 360.0 | 359.8 | 359.7 | 360.1 | 360.4 |
| 180° | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 |



TEST NUMBER: P331241-935

CATALOG NUMBER: S122DIP-S290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 | 508.9 |
| 2.5° | 527.9 | 530.0 | 530.0 | 530.4 | 532.9 | 532.5 | 532.4 |
| 5° | 561.7 | 565.1 | 565.4 | 568.9 | 571.3 | 570.5 | 568.3 |
| 7.5° | 593.7 | 599.9 | 604.6 | 607.2 | 610.3 | 612.2 | 611.3 |
| 10° | 619.1 | 628.0 | 633.5 | 637.2 | 641.7 | 645.1 | 643.9 |
| 12.5° | 642.0 | 652.7 | 660.3 | 666.7 | 667.2 | 671.5 | 668.6 |
| 15° | 678.0 | 689.2 | 690.4 | 695.1 | 698.9 | 698.4 | 698.6 |
| 17.5° | 689.7 | 693.4 | 694.1 | 694.2 | 694.3 | 692.9 | 689.9 |
| 20° | 685.5 | 684.2 | 680.9 | 678.3 | 673.8 | 673.2 | 669.3 |
| 22.5° | 665.5 | 661.2 | 652.8 | 647.3 | 640.3 | 638.5 | 637.4 |
| 25° | 626.1 | 616.5 | 603.2 | 590.5 | 586.9 | 580.1 | 582.0 |
| 27.5° | 572.0 | 557.1 | 542.6 | 532.4 | 523.0 | 512.7 | 515.7 |
| 30° | 534.0 | 517.1 | 496.8 | 481.1 | 471.1 | 461.4 | 459.6 |
| 32.5° | 488.6 | 463.9 | 441.3 | 427.5 | 412.2 | 406.0 | 399.2 |
| 35° | 410.4 | 386.2 | 363.8 | 344.4 | 333.3 | 324.7 | 316.8 |
| 37.5° | 340.0 | 312.3 | 294.1 | 278.4 | 270.4 | 265.4 | 266.7 |
| 40° | 296.4 | 272.1 | 258.7 | 246.8 | 239.4 | 235.9 | 236.7 |
| 42.5° | 261.0 | 242.8 | 231.9 | 223.7 | 218.4 | 216.5 | 216.0 |
| 45° | 220.8 | 210.7 | 201.6 | 197.0 | 194.4 | 192.3 | 190.9 |
| 47.5° | 193.5 | 185.1 | 180.0 | 177.3 | 175.0 | 172.9 | 172.8 |
| 50° | 177.0 | 171.5 | 168.0 | 165.1 | 163.3 | 161.8 | 163.2 |
| 52.5° | 164.5 | 159.5 | 155.9 | 153.3 | 152.7 | 151.3 | 151.2 |
| 55° | 145.9 | 142.0 | 139.5 | 137.1 | 136.0 | 135.2 | 134.1 |
| 57.5° | 129.0 | 125.3 | 123.0 | 121.5 | 119.2 | 118.5 | 118.1 |
| 60° | 116.9 | 114.0 | 111.7 | 109.7 | 108.7 | 107.2 | 107.2 |
| 62.5° | 105.8 | 102.9 | 100.7 | 99.3 | 97.6 | 97.0 | 97.2 |
| 65° | 89.8 | 87.4 | 85.2 | 83.7 | 83.3 | 82.1 | 82.6 |
| 67.5° | 75.0 | 73.4 | 71.1 | 70.3 | 69.6 | 69.0 | 68.4 |
| 70° | 65.1 | 63.5 | 62.4 | 61.2 | 60.6 | 60.6 | 60.6 |
| 72.5° | 56.8 | 54.9 | 54.2 | 52.8 | 53.1 | 52.5 | 51.8 |
| 75° | 44.0 | 42.8 | 42.3 | 41.7 | 40.7 | 40.7 | 40.7 |
| 77.5° | 32.4 | 32.0 | 31.3 | 30.7 | 30.5 | 30.3 | 30.4 |
| 80° | 25.1 | 24.8 | 24.5 | 24.5 | 24.0 | 23.8 | 23.5 |
| 82.5° | 19.3 | 18.8 | 18.5 | 18.3 | 18.3 | 18.3 | 18.2 |
| 85° | 10.9 | 10.6 | 10.6 | 10.8 | 10.3 | 10.3 | 10.6 |
| 87.5° | 6.3 | 6.3 | 6.1 | 6.1 | 6.3 | 6.1 | 6.1 |
| 90° | 10.2 | 10.1 | 10.1 | 10.2 | 10.2 | 10.2 | 10.3 |
| 92.5° | 9.7 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 |
| 95° | 19.5 | 19.5 | 19.4 | 19.3 | 19.1 | 19.0 | 18.9 |
| 97.5° | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.6 |
| 100° | 42.0 | 42.0 | 41.9 | 41.8 | 41.8 | 41.8 | 41.7 |
| 102.5° | 52.1 | 52.2 | 52.2 | 52.1 | 52.0 | 52.0 | 51.9 |
| 105° | 67.3 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 107.5° | 83.6 | 83.6 | 83.5 | 83.2 | 82.9 | 82.6 | 82.2 |
| 110° | 94.6 | 94.6 | 94.5 | 94.3 | 94.1 | 93.9 | 93.7 |



TEST NUMBER: P331241-935

CATALOG NUMBER: S122DIP-S290D330U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 105.6 | 105.4 | 105.2 | 105.1 | 105.0 | 104.8 | 104.6 |
| 115° | 122.7 | 122.6 | 122.5 | 122.3 | 122.1 | 121.9 | 121.7 |
| 117.5° | 139.1 | 138.9 | 138.7 | 138.5 | 138.4 | 138.1 | 137.9 |
| 120° | 150.2 | 150.2 | 150.2 | 150.0 | 149.7 | 149.6 | 149.4 |
| 122.5° | 161.4 | 161.3 | 161.2 | 161.0 | 160.8 | 160.7 | 160.6 |
| 125° | 178.2 | 178.1 | 177.9 | 177.9 | 177.8 | 177.7 | 177.6 |
| 127.5° | 194.6 | 194.3 | 194.1 | 193.9 | 193.6 | 193.5 | 193.2 |
| 130° | 205.9 | 205.7 | 205.5 | 205.3 | 204.9 | 204.7 | 204.4 |
| 132.5° | 216.5 | 216.3 | 216.0 | 215.8 | 215.6 | 215.3 | 215.2 |
| 135° | 232.8 | 232.7 | 232.6 | 232.4 | 232.2 | 232.0 | 231.8 |
| 137.5° | 248.1 | 248.1 | 248.0 | 247.7 | 247.5 | 247.2 | 246.8 |
| 140° | 258.6 | 258.6 | 258.4 | 258.1 | 257.9 | 257.6 | 257.4 |
| 142.5° | 267.9 | 268.0 | 267.9 | 267.7 | 267.3 | 267.1 | 266.8 |
| 145° | 282.1 | 282.2 | 282.1 | 281.9 | 281.6 | 281.4 | 281.0 |
| 147.5° | 294.7 | 294.9 | 294.8 | 294.5 | 294.3 | 294.0 | 293.8 |
| 150° | 302.6 | 302.9 | 302.9 | 302.6 | 302.5 | 302.3 | 302.0 |
| 152.5° | 310.6 | 310.9 | 310.9 | 310.6 | 310.4 | 310.1 | 309.9 |
| 155° | 320.7 | 321.1 | 321.2 | 320.9 | 320.7 | 320.6 | 320.3 |
| 157.5° | 330.1 | 330.5 | 330.6 | 330.3 | 329.9 | 329.7 | 329.3 |
| 160° | 335.5 | 336.0 | 336.0 | 335.7 | 335.4 | 335.2 | 334.9 |
| 162.5° | 340.5 | 341.0 | 341.0 | 340.8 | 340.4 | 340.1 | 339.8 |
| 165° | 347.0 | 347.4 | 347.5 | 347.2 | 346.8 | 346.5 | 346.2 |
| 167.5° | 352.2 | 352.8 | 352.8 | 352.5 | 352.1 | 351.7 | 351.4 |
| 170° | 355.2 | 355.7 | 355.7 | 355.3 | 354.9 | 354.5 | 354.0 |
| 172.5° | 357.4 | 357.8 | 357.9 | 357.5 | 357.1 | 356.7 | 356.3 |
| 175° | 359.7 | 360.2 | 360.2 | 359.9 | 359.5 | 359.0 | 358.6 |
| 177.5° | 360.7 | 361.0 | 361.0 | 360.7 | 360.4 | 360.1 | 359.7 |
| 180° | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 | 360.5 |

(END OF REPORT)