

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: P331242-935

Luminaire Tested: **SA2XXDIP-C290D330U935-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331242-935  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA2XXDIP-C290D330U935-4F0-1E-UDD-A4  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 290 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 330 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

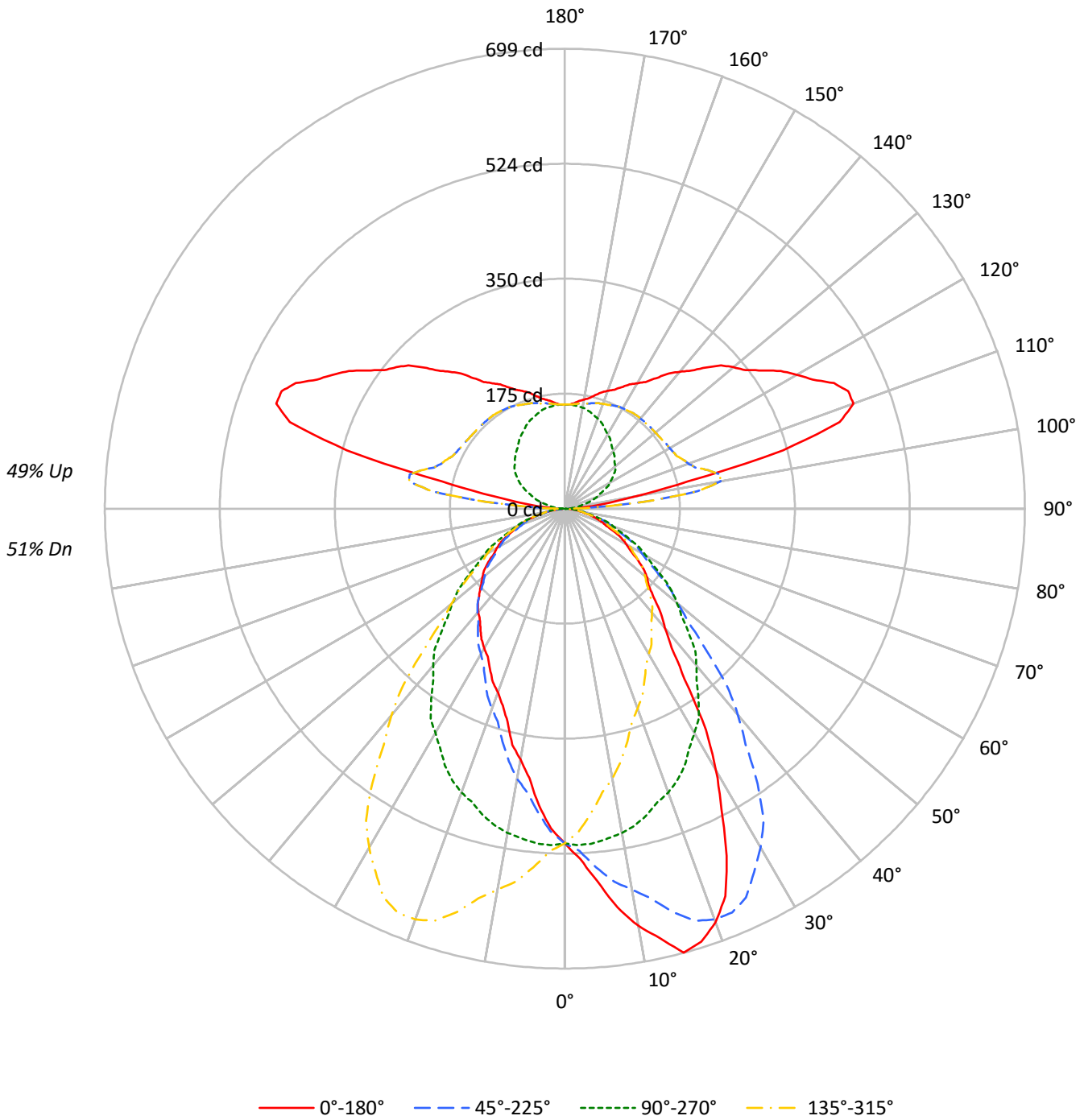
Lumens per Lamp: N/A  
Luminaire Lumens: 2225.0 lumens  
Efficiency: N/A  
Efficacy: 109.6 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

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: P331242-935  
CATALOG NUMBER: SA2XXDIP-C290D330U935-4F0-1E-UDD-A4

### Luminous Intensity Polar Plot





TEST NUMBER: P331242-935

CATALOG NUMBER: SA2XXDIP-C290D330U935-4F0-1E-UDD-A4

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     |    | 20 |    |    |    |    | 20 |    |    |    |    | 20 |    |    |    |    | 20 |    |
| RC  | 80  |     |     |     |    | 70 |    |    |    |    | 50 |    |    |    |    | 30 |    |    |    |    | 10 | 0  |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0  |    |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 70 | 70 | 70 | 57 | 57 | 57 | 51 |    |    |    | 51 |
| 1   | 98  | 94  | 91  | 87  | 91 | 87 | 84 | 81 | 74 | 72 | 70 | 62 | 60 | 59 | 51 | 50 | 49 |    |    |    | 44 |    |
| 2   | 90  | 83  | 77  | 72  | 83 | 77 | 72 | 67 | 65 | 62 | 58 | 55 | 52 | 50 | 45 | 43 | 42 |    |    |    | 37 |    |
| 3   | 82  | 73  | 66  | 61  | 76 | 68 | 62 | 57 | 58 | 54 | 50 | 49 | 46 | 43 | 41 | 38 | 36 |    |    |    | 32 |    |
| 4   | 76  | 65  | 57  | 52  | 70 | 61 | 54 | 49 | 52 | 47 | 43 | 44 | 40 | 37 | 37 | 34 | 32 |    |    |    | 28 |    |
| 5   | 70  | 58  | 50  | 45  | 64 | 54 | 47 | 42 | 47 | 41 | 37 | 40 | 36 | 32 | 33 | 30 | 28 |    |    |    | 25 |    |
| 6   | 64  | 53  | 45  | 39  | 59 | 49 | 42 | 37 | 42 | 37 | 33 | 36 | 32 | 29 | 30 | 27 | 25 |    |    |    | 22 |    |
| 7   | 60  | 48  | 40  | 34  | 55 | 44 | 38 | 33 | 39 | 33 | 29 | 33 | 29 | 26 | 28 | 25 | 22 |    |    |    | 20 |    |
| 8   | 55  | 43  | 36  | 31  | 51 | 41 | 34 | 29 | 35 | 30 | 26 | 30 | 26 | 23 | 26 | 22 | 20 |    |    |    | 18 |    |
| 9   | 52  | 40  | 32  | 27  | 48 | 37 | 31 | 26 | 32 | 27 | 23 | 28 | 24 | 21 | 24 | 21 | 18 |    |    |    | 16 |    |
| 10  | 48  | 36  | 29  | 25  | 45 | 34 | 28 | 23 | 30 | 25 | 21 | 26 | 22 | 19 | 22 | 19 | 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: P331242-935

CATALOG NUMBER: SA2XXDIP-C290D330U935-4F0-1E-UDD-A4

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 48.5   | 2.2       |
| 10°-20°   | 140.9  | 6.3       |
| 20°-30°   | 204.5  | 9.2       |
| 30°-40°   | 215.8  | 9.7       |
| 40°-50°   | 191.1  | 8.6       |
| 50°-60°   | 152.5  | 6.9       |
| 60°-70°   | 103.6  | 4.7       |
| 70°-80°   | 53.1   | 2.4       |
| 80°-90°   | 14.2   | 0.6       |
| 90°-100°  | 63.3   | 2.8       |
| 100°-110° | 214.7  | 9.6       |
| 110°-120° | 228.0  | 10.2      |
| 120°-130° | 187.7  | 8.4       |
| 130°-140° | 150.7  | 6.8       |
| 140°-150° | 113.9  | 5.1       |
| 150°-160° | 80.1   | 3.6       |
| 160°-170° | 47.1   | 2.1       |
| 170°-180° | 15.3   | 0.7       |
| 0°-30°    | 393.9  | 17.7      |
| 0°-40°    | 609.7  | 27.4      |
| 0°-60°    | 953.2  | 42.8      |
| 0°-90°    | 1124.2 | 50.5      |
| 90°-120°  | 505.9  | 22.7      |
| 90°-150°  | 958.3  | 43.1      |
| 90°-180°  | 1101.0 | 49.5      |
| 0°-180°   | 2225.0 | 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   | 6    |
| 95°  | 35  | 11  | 35   | 11   | 35   | 45   |
| 105° | 343 | 37  | 343  | 37   | 343  | 332  |
| 115° | 451 | 65  | 451  | 65   | 451  | 442  |
| 125° | 366 | 91  | 366  | 91   | 366  | 331  |
| 135° | 303 | 107 | 303  | 107  | 303  | 236  |
| 145° | 242 | 122 | 242  | 122  | 242  | 154  |
| 155° | 204 | 139 | 204  | 139  | 204  | 95   |
| 165° | 179 | 152 | 179  | 152  | 179  | 51   |
| 175° | 161 | 158 | 161  | 158  | 161  | 16   |
| 180° | 158 | 158 | 158  | 158  | 158  |      |



TEST NUMBER: P331242-935

CATALOG NUMBER: SA2XXDIP-C290D330U935-4F0-1E-UDD-A4

**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   | 6.2   | 6.1   | 6.1   | 6.2   | 6.0   | 6.0   | 6.2   | 6.5   | 6.5   |
| 90°    | 10.1  | 10.1  | 10.1  | 10.1  | 10.1  | 9.7   | 9.1   | 9.7   | 10.1  | 10.3  | 10.1  |
| 92.5°  | 16.9  | 17.3  | 17.1  | 18.1  | 18.3  | 20.2  | 22.7  | 26.5  | 33.4  | 39.5  | 39.0  |
| 95°    | 34.7  | 34.4  | 35.3  | 37.7  | 41.7  | 48.4  | 61.1  | 79.7  | 104.4 | 119.2 | 105.6 |
| 97.5°  | 68.3  | 70.9  | 75.3  | 82.7  | 97.3  | 119.2 | 152.1 | 186.0 | 213.5 | 203.5 | 153.3 |
| 100°   | 108.9 | 114.4 | 123.2 | 136.3 | 161.5 | 198.4 | 240.0 | 277.8 | 284.1 | 240.3 | 165.5 |
| 102.5° | 191.7 | 199.1 | 210.1 | 232.4 | 259.8 | 298.9 | 329.3 | 337.9 | 310.4 | 241.5 | 160.8 |
| 105°   | 342.9 | 347.1 | 360.2 | 379.0 | 398.0 | 407.9 | 404.0 | 369.6 | 306.3 | 225.4 | 151.8 |
| 107.5° | 438.0 | 443.6 | 446.3 | 447.3 | 444.9 | 430.2 | 398.6 | 346.7 | 279.7 | 208.1 | 147.3 |
| 110°   | 466.7 | 467.0 | 464.3 | 458.5 | 445.4 | 420.4 | 381.5 | 327.0 | 262.9 | 199.8 | 146.4 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 466.1 | 464.5 | 459.3 | 449.7 | 431.5 | 402.9 | 361.3 | 309.0 | 251.2 | 194.5 | 146.5 |
| 115°   | 451.2 | 448.4 | 440.5 | 426.5 | 404.9 | 373.6 | 333.7 | 286.9 | 236.7 | 188.6 | 147.8 |
| 117.5° | 424.3 | 422.0 | 413.7 | 398.9 | 376.9 | 347.5 | 311.3 | 270.2 | 227.6 | 185.7 | 150.1 |
| 120°   | 407.1 | 404.0 | 395.2 | 380.9 | 359.6 | 331.9 | 299.6 | 261.9 | 222.7 | 184.1 | 151.5 |
| 122.5° | 389.0 | 386.5 | 378.7 | 364.5 | 345.4 | 320.5 | 289.9 | 255.4 | 218.5 | 183.0 | 153.2 |
| 125°   | 366.0 | 363.5 | 355.9 | 344.4 | 326.7 | 303.9 | 277.2 | 245.8 | 212.7 | 181.3 | 155.8 |
| 127.5° | 345.8 | 343.8 | 337.3 | 326.4 | 311.0 | 290.0 | 264.8 | 236.3 | 207.2 | 180.3 | 158.3 |
| 130°   | 334.3 | 331.9 | 325.8 | 315.5 | 300.6 | 280.5 | 256.5 | 230.3 | 203.5 | 179.8 | 160.3 |
| 132.5° | 322.4 | 320.2 | 314.6 | 304.3 | 289.6 | 270.8 | 248.7 | 224.5 | 200.6 | 179.5 | 162.3 |
| 135°   | 303.3 | 302.1 | 296.6 | 286.5 | 273.5 | 256.5 | 236.3 | 216.3 | 196.5 | 179.2 | 164.6 |
| 137.5° | 284.6 | 282.8 | 277.9 | 269.3 | 257.4 | 242.5 | 226.6 | 209.8 | 193.6 | 179.1 | 166.7 |
| 140°   | 271.6 | 269.8 | 265.3 | 257.4 | 247.6 | 234.3 | 220.2 | 205.6 | 191.9 | 178.9 | 167.6 |
| 142.5° | 258.7 | 258.4 | 254.3 | 247.1 | 237.9 | 226.7 | 214.6 | 202.2 | 190.3 | 178.9 | 168.3 |
| 145°   | 242.1 | 241.3 | 238.2 | 233.0 | 225.8 | 216.9 | 207.5 | 197.4 | 188.0 | 178.2 | 169.1 |
| 147.5° | 228.3 | 227.6 | 225.6 | 221.4 | 215.4 | 209.0 | 201.6 | 193.7 | 185.7 | 177.2 | 169.4 |
| 150°   | 220.0 | 219.6 | 217.8 | 214.1 | 209.6 | 204.1 | 197.8 | 191.1 | 183.7 | 176.4 | 169.1 |
| 152.5° | 212.9 | 212.8 | 211.5 | 208.4 | 204.7 | 200.0 | 194.6 | 188.4 | 182.0 | 175.2 | 168.7 |
| 155°   | 203.5 | 204.1 | 202.9 | 200.8 | 197.4 | 194.1 | 189.5 | 184.7 | 178.9 | 173.1 | 167.9 |
| 157.5° | 195.5 | 195.5 | 195.0 | 193.2 | 190.9 | 188.2 | 184.4 | 180.4 | 175.9 | 170.9 | 166.5 |
| 160°   | 190.5 | 190.5 | 190.1 | 188.6 | 186.5 | 184.3 | 181.0 | 177.6 | 173.7 | 169.4 | 165.8 |
| 162.5° | 185.5 | 185.8 | 185.5 | 184.5 | 182.4 | 180.7 | 177.9 | 175.0 | 171.8 | 168.2 | 165.1 |
| 165°   | 178.6 | 178.9 | 178.9 | 177.6 | 176.4 | 175.2 | 173.1 | 171.0 | 168.5 | 165.8 | 163.7 |
| 167.5° | 172.1 | 172.5 | 172.5 | 171.9 | 171.3 | 170.2 | 168.8 | 167.1 | 165.4 | 163.7 | 162.3 |
| 170°   | 168.2 | 168.8 | 169.1 | 168.2 | 167.9 | 167.3 | 166.1 | 165.2 | 163.7 | 162.5 | 161.5 |
| 172.5° | 165.1 | 165.4 | 165.7 | 165.3 | 165.0 | 164.6 | 163.7 | 163.0 | 162.0 | 161.0 | 160.6 |
| 175°   | 160.9 | 161.5 | 161.9 | 161.5 | 161.5 | 161.3 | 160.9 | 160.7 | 159.7 | 159.4 | 159.1 |
| 177.5° | 158.4 | 158.9 | 159.2 | 159.2 | 159.2 | 159.2 | 158.9 | 158.9 | 158.4 | 158.2 | 158.4 |
| 180°   | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 |



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**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°  | 6.4   | 5.9   | 5.6   | 5.8   | 5.2   | 5.0   | 4.1   | 3.5   | 3.5   | 3.6   | 3.4   |
| 90°    | 8.2   | 6.1   | 4.6   | 3.6   | 3.0   | 2.4   | 1.2   | 0.3   | 1.2   | 2.4   | 3.0   |
| 92.5°  | 30.4  | 20.7  | 13.8  | 10.9  | 8.9   | 7.6   | 5.3   | 3.7   | 5.3   | 7.6   | 8.9   |
| 95°    | 70.3  | 43.8  | 29.8  | 22.5  | 17.7  | 14.9  | 11.9  | 10.7  | 11.9  | 14.9  | 17.7  |
| 97.5°  | 94.7  | 57.8  | 40.2  | 31.9  | 26.3  | 22.2  | 18.9  | 17.3  | 18.9  | 22.2  | 26.3  |
| 100°   | 99.8  | 62.7  | 46.6  | 38.1  | 31.9  | 27.0  | 24.4  | 23.4  | 24.4  | 27.0  | 31.9  |
| 102.5° | 100.0 | 67.1  | 52.2  | 43.7  | 37.3  | 32.5  | 29.7  | 29.0  | 29.7  | 32.5  | 37.3  |
| 105°   | 101.6 | 74.6  | 60.3  | 51.7  | 45.0  | 40.5  | 38.3  | 37.1  | 38.3  | 40.5  | 45.0  |
| 107.5° | 105.8 | 82.2  | 68.4  | 59.8  | 53.1  | 48.9  | 46.8  | 45.9  | 46.8  | 48.9  | 53.1  |
| 110°   | 109.2 | 87.3  | 74.0  | 65.1  | 58.7  | 54.8  | 53.0  | 51.7  | 53.0  | 54.8  | 58.7  |





TEST NUMBER: P331242-935

CATALOG NUMBER: SA2XXDIP-C290D330U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 112.9 | 92.2  | 79.3  | 70.2  | 64.1  | 60.4  | 58.3  | 57.1  | 58.3  | 60.4  | 64.1  |
| 115°   | 118.3 | 99.8  | 86.7  | 78.5  | 72.4  | 68.8  | 66.9  | 65.4  | 66.9  | 68.8  | 72.4  |
| 117.5° | 124.2 | 106.8 | 94.7  | 86.2  | 80.3  | 77.1  | 75.3  | 74.0  | 75.3  | 77.1  | 80.3  |
| 120°   | 128.1 | 111.7 | 99.8  | 91.3  | 85.2  | 82.5  | 80.6  | 79.4  | 80.6  | 82.5  | 85.2  |
| 122.5° | 131.5 | 116.2 | 105.1 | 96.3  | 90.3  | 87.3  | 85.5  | 84.6  | 85.5  | 87.3  | 90.3  |
| 125°   | 136.9 | 123.2 | 112.3 | 103.8 | 97.6  | 94.0  | 92.2  | 91.3  | 92.2  | 94.0  | 97.6  |
| 127.5° | 142.0 | 129.7 | 119.0 | 110.2 | 104.4 | 100.4 | 97.8  | 96.6  | 97.8  | 100.4 | 104.4 |
| 130°   | 145.1 | 133.5 | 122.9 | 114.4 | 108.3 | 104.0 | 101.0 | 99.8  | 101.0 | 104.0 | 108.3 |
| 132.5° | 148.3 | 137.0 | 126.8 | 118.3 | 111.9 | 107.5 | 104.2 | 102.7 | 104.2 | 107.5 | 111.9 |
| 135°   | 152.4 | 141.8 | 132.0 | 123.6 | 116.5 | 111.9 | 108.3 | 107.1 | 108.3 | 111.9 | 116.5 |
| 137.5° | 155.6 | 145.7 | 136.0 | 128.1 | 121.2 | 116.3 | 112.7 | 111.2 | 112.7 | 116.3 | 121.2 |
| 140°   | 157.3 | 147.8 | 138.7 | 130.8 | 124.2 | 119.2 | 115.6 | 114.4 | 115.6 | 119.2 | 124.2 |
| 142.5° | 158.8 | 149.6 | 140.7 | 133.3 | 126.8 | 121.9 | 118.6 | 117.5 | 118.6 | 121.9 | 126.8 |
| 145°   | 160.7 | 152.1 | 143.9 | 137.2 | 131.1 | 126.6 | 123.6 | 122.3 | 123.6 | 126.6 | 131.1 |
| 147.5° | 161.7 | 154.2 | 146.5 | 140.5 | 135.4 | 131.2 | 128.3 | 127.4 | 128.3 | 131.2 | 135.4 |
| 150°   | 162.1 | 155.2 | 148.2 | 142.7 | 138.1 | 134.1 | 131.7 | 130.8 | 131.7 | 134.1 | 138.1 |
| 152.5° | 162.4 | 156.1 | 149.8 | 144.9 | 140.5 | 137.1 | 134.7 | 134.2 | 134.7 | 137.1 | 140.5 |
| 155°   | 162.7 | 157.6 | 152.4 | 147.8 | 144.5 | 141.1 | 139.3 | 139.1 | 139.3 | 141.1 | 144.5 |
| 157.5° | 162.7 | 158.6 | 154.2 | 150.4 | 147.7 | 144.8 | 143.4 | 143.0 | 143.4 | 144.8 | 147.7 |
| 160°   | 162.7 | 159.1 | 155.5 | 152.1 | 149.6 | 147.2 | 146.0 | 145.7 | 146.0 | 147.2 | 149.6 |
| 162.5° | 162.5 | 159.4 | 156.2 | 153.6 | 151.4 | 149.5 | 148.2 | 148.4 | 148.2 | 149.5 | 151.4 |
| 165°   | 161.9 | 159.7 | 157.0 | 155.2 | 153.6 | 151.8 | 151.2 | 151.5 | 151.2 | 151.8 | 153.6 |
| 167.5° | 161.4 | 159.6 | 157.6 | 156.5 | 155.4 | 154.2 | 153.7 | 154.0 | 153.7 | 154.2 | 155.4 |
| 170°   | 160.9 | 159.4 | 157.9 | 157.0 | 156.4 | 155.5 | 155.2 | 155.8 | 155.2 | 155.5 | 156.4 |
| 172.5° | 160.2 | 159.2 | 158.2 | 157.5 | 157.1 | 156.2 | 156.4 | 156.7 | 156.4 | 156.2 | 157.1 |
| 175°   | 159.4 | 158.8 | 158.2 | 157.9 | 157.9 | 157.3 | 157.6 | 157.9 | 157.6 | 157.3 | 157.9 |
| 177.5° | 158.9 | 158.4 | 158.2 | 158.2 | 158.2 | 157.7 | 157.9 | 158.4 | 157.9 | 157.7 | 158.2 |
| 180°   | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 |



TEST NUMBER: P331242-935

CATALOG NUMBER: SA2XXDIP-C290D330U935-4F0-1E-UDD-A4

**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   | 3.5   | 4.0   | 4.2   | 4.1   | 3.9   | 3.8   | 3.7   | 3.5   | 3.5   |
| 90°    | 3.6   | 4.6   | 6.1   | 8.2   | 10.1  | 10.3  | 10.1  | 9.7   | 9.1   | 9.7   | 10.1  |
| 92.5°  | 10.9  | 13.8  | 20.7  | 30.4  | 39.0  | 39.5  | 33.4  | 26.5  | 22.7  | 20.2  | 18.3  |
| 95°    | 22.5  | 29.8  | 43.8  | 70.3  | 105.6 | 119.2 | 104.4 | 79.7  | 61.1  | 48.4  | 41.7  |
| 97.5°  | 31.9  | 40.2  | 57.8  | 94.7  | 153.3 | 203.5 | 213.5 | 186.0 | 152.1 | 119.2 | 97.3  |
| 100°   | 38.1  | 46.6  | 62.7  | 99.8  | 165.5 | 240.3 | 284.1 | 277.8 | 240.0 | 198.4 | 161.5 |
| 102.5° | 43.7  | 52.2  | 67.1  | 100.0 | 160.8 | 241.5 | 310.4 | 337.9 | 329.3 | 298.9 | 259.8 |
| 105°   | 51.7  | 60.3  | 74.6  | 101.6 | 151.8 | 225.4 | 306.3 | 369.6 | 404.0 | 407.9 | 398.0 |
| 107.5° | 59.8  | 68.4  | 82.2  | 105.8 | 147.3 | 208.1 | 279.7 | 346.7 | 398.6 | 430.2 | 444.9 |
| 110°   | 65.1  | 74.0  | 87.3  | 109.2 | 146.4 | 199.8 | 262.9 | 327.0 | 381.5 | 420.4 | 445.4 |



TEST NUMBER: P331242-935

CATALOG NUMBER: SA2XXDIP-C290D330U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 70.2  | 79.3  | 92.2  | 112.9 | 146.5 | 194.5 | 251.2 | 309.0 | 361.3 | 402.9 | 431.5 |
| 115°   | 78.5  | 86.7  | 99.8  | 118.3 | 147.8 | 188.6 | 236.7 | 286.9 | 333.7 | 373.6 | 404.9 |
| 117.5° | 86.2  | 94.7  | 106.8 | 124.2 | 150.1 | 185.7 | 227.6 | 270.2 | 311.3 | 347.5 | 376.9 |
| 120°   | 91.3  | 99.8  | 111.7 | 128.1 | 151.5 | 184.1 | 222.7 | 261.9 | 299.6 | 331.9 | 359.6 |
| 122.5° | 96.3  | 105.1 | 116.2 | 131.5 | 153.2 | 183.0 | 218.5 | 255.4 | 289.9 | 320.5 | 345.4 |
| 125°   | 103.8 | 112.3 | 123.2 | 136.9 | 155.8 | 181.3 | 212.7 | 245.8 | 277.2 | 303.9 | 326.7 |
| 127.5° | 110.2 | 119.0 | 129.7 | 142.0 | 158.3 | 180.3 | 207.2 | 236.3 | 264.8 | 290.0 | 311.0 |
| 130°   | 114.4 | 122.9 | 133.5 | 145.1 | 160.3 | 179.8 | 203.5 | 230.3 | 256.5 | 280.5 | 300.6 |
| 132.5° | 118.3 | 126.8 | 137.0 | 148.3 | 162.3 | 179.5 | 200.6 | 224.5 | 248.7 | 270.8 | 289.6 |
| 135°   | 123.6 | 132.0 | 141.8 | 152.4 | 164.6 | 179.2 | 196.5 | 216.3 | 236.3 | 256.5 | 273.5 |
| 137.5° | 128.1 | 136.0 | 145.7 | 155.6 | 166.7 | 179.1 | 193.6 | 209.8 | 226.6 | 242.5 | 257.4 |
| 140°   | 130.8 | 138.7 | 147.8 | 157.3 | 167.6 | 178.9 | 191.9 | 205.6 | 220.2 | 234.3 | 247.6 |
| 142.5° | 133.3 | 140.7 | 149.6 | 158.8 | 168.3 | 178.9 | 190.3 | 202.2 | 214.6 | 226.7 | 237.9 |
| 145°   | 137.2 | 143.9 | 152.1 | 160.7 | 169.1 | 178.2 | 188.0 | 197.4 | 207.5 | 216.9 | 225.8 |
| 147.5° | 140.5 | 146.5 | 154.2 | 161.7 | 169.4 | 177.2 | 185.7 | 193.7 | 201.6 | 209.0 | 215.4 |
| 150°   | 142.7 | 148.2 | 155.2 | 162.1 | 169.1 | 176.4 | 183.7 | 191.1 | 197.8 | 204.1 | 209.6 |
| 152.5° | 144.9 | 149.8 | 156.1 | 162.4 | 168.7 | 175.2 | 182.0 | 188.4 | 194.6 | 200.0 | 204.7 |
| 155°   | 147.8 | 152.4 | 157.6 | 162.7 | 167.9 | 173.1 | 178.9 | 184.7 | 189.5 | 194.1 | 197.4 |
| 157.5° | 150.4 | 154.2 | 158.6 | 162.7 | 166.5 | 170.9 | 175.9 | 180.4 | 184.4 | 188.2 | 190.9 |
| 160°   | 152.1 | 155.5 | 159.1 | 162.7 | 165.8 | 169.4 | 173.7 | 177.6 | 181.0 | 184.3 | 186.5 |
| 162.5° | 153.6 | 156.2 | 159.4 | 162.5 | 165.1 | 168.2 | 171.8 | 175.0 | 177.9 | 180.7 | 182.4 |
| 165°   | 155.2 | 157.0 | 159.7 | 161.9 | 163.7 | 165.8 | 168.5 | 171.0 | 173.1 | 175.2 | 176.4 |
| 167.5° | 156.5 | 157.6 | 159.6 | 161.4 | 162.3 | 163.7 | 165.4 | 167.1 | 168.8 | 170.2 | 171.3 |
| 170°   | 157.0 | 157.9 | 159.4 | 160.9 | 161.5 | 162.5 | 163.7 | 165.2 | 166.1 | 167.3 | 167.9 |
| 172.5° | 157.5 | 158.2 | 159.2 | 160.2 | 160.6 | 161.0 | 162.0 | 163.0 | 163.7 | 164.6 | 165.0 |
| 175°   | 157.9 | 158.2 | 158.8 | 159.4 | 159.1 | 159.4 | 159.7 | 160.7 | 160.9 | 161.3 | 161.5 |
| 177.5° | 158.2 | 158.2 | 158.4 | 158.9 | 158.4 | 158.2 | 158.4 | 158.9 | 158.9 | 159.2 | 159.2 |
| 180°   | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 |



TEST NUMBER: P331242-935

CATALOG NUMBER: SA2XXDIP-C290D330U935-4F0-1E-UDD-A4

**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°  | 3.5   | 3.4   | 3.4   | 3.3   | 3.4   | 3.4   | 3.5   | 3.5   | 3.5   | 3.7   | 3.8   |
| 90°    | 10.1  | 10.1  | 10.1  | 10.1  | 10.1  | 10.1  | 10.1  | 10.1  | 9.7   | 9.1   | 9.7   |
| 92.5°  | 18.1  | 17.1  | 17.3  | 16.9  | 17.3  | 17.1  | 18.1  | 18.3  | 20.2  | 22.7  | 26.5  |
| 95°    | 37.7  | 35.3  | 34.4  | 34.7  | 34.4  | 35.3  | 37.7  | 41.7  | 48.4  | 61.1  | 79.7  |
| 97.5°  | 82.7  | 75.3  | 70.9  | 68.3  | 70.9  | 75.3  | 82.7  | 97.3  | 119.2 | 152.1 | 186.0 |
| 100°   | 136.3 | 123.2 | 114.4 | 108.9 | 114.4 | 123.2 | 136.3 | 161.5 | 198.4 | 240.0 | 277.8 |
| 102.5° | 232.4 | 210.1 | 199.1 | 191.7 | 199.1 | 210.1 | 232.4 | 259.8 | 298.9 | 329.3 | 337.9 |
| 105°   | 379.0 | 360.2 | 347.1 | 342.9 | 347.1 | 360.2 | 379.0 | 398.0 | 407.9 | 404.0 | 369.6 |
| 107.5° | 447.3 | 446.3 | 443.6 | 438.0 | 443.6 | 446.3 | 447.3 | 444.9 | 430.2 | 398.6 | 346.7 |
| 110°   | 458.5 | 464.3 | 467.0 | 466.7 | 467.0 | 464.3 | 458.5 | 445.4 | 420.4 | 381.5 | 327.0 |



TEST NUMBER: P331242-935

CATALOG NUMBER: SA2XXDIP-C290D330U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 449.7 | 459.3 | 464.5 | 466.1 | 464.5 | 459.3 | 449.7 | 431.5 | 402.9 | 361.3 | 309.0 |
| 115°   | 426.5 | 440.5 | 448.4 | 451.2 | 448.4 | 440.5 | 426.5 | 404.9 | 373.6 | 333.7 | 286.9 |
| 117.5° | 398.9 | 413.7 | 422.0 | 424.3 | 422.0 | 413.7 | 398.9 | 376.9 | 347.5 | 311.3 | 270.2 |
| 120°   | 380.9 | 395.2 | 404.0 | 407.1 | 404.0 | 395.2 | 380.9 | 359.6 | 331.9 | 299.6 | 261.9 |
| 122.5° | 364.5 | 378.7 | 386.5 | 389.0 | 386.5 | 378.7 | 364.5 | 345.4 | 320.5 | 289.9 | 255.4 |
| 125°   | 344.4 | 355.9 | 363.5 | 366.0 | 363.5 | 355.9 | 344.4 | 326.7 | 303.9 | 277.2 | 245.8 |
| 127.5° | 326.4 | 337.3 | 343.8 | 345.8 | 343.8 | 337.3 | 326.4 | 311.0 | 290.0 | 264.8 | 236.3 |
| 130°   | 315.5 | 325.8 | 331.9 | 334.3 | 331.9 | 325.8 | 315.5 | 300.6 | 280.5 | 256.5 | 230.3 |
| 132.5° | 304.3 | 314.6 | 320.2 | 322.4 | 320.2 | 314.6 | 304.3 | 289.6 | 270.8 | 248.7 | 224.5 |
| 135°   | 286.5 | 296.6 | 302.1 | 303.3 | 302.1 | 296.6 | 286.5 | 273.5 | 256.5 | 236.3 | 216.3 |
| 137.5° | 269.3 | 277.9 | 282.8 | 284.6 | 282.8 | 277.9 | 269.3 | 257.4 | 242.5 | 226.6 | 209.8 |
| 140°   | 257.4 | 265.3 | 269.8 | 271.6 | 269.8 | 265.3 | 257.4 | 247.6 | 234.3 | 220.2 | 205.6 |
| 142.5° | 247.1 | 254.3 | 258.4 | 258.7 | 258.4 | 254.3 | 247.1 | 237.9 | 226.7 | 214.6 | 202.2 |
| 145°   | 233.0 | 238.2 | 241.3 | 242.1 | 241.3 | 238.2 | 233.0 | 225.8 | 216.9 | 207.5 | 197.4 |
| 147.5° | 221.4 | 225.6 | 227.6 | 228.3 | 227.6 | 225.6 | 221.4 | 215.4 | 209.0 | 201.6 | 193.7 |
| 150°   | 214.1 | 217.8 | 219.6 | 220.0 | 219.6 | 217.8 | 214.1 | 209.6 | 204.1 | 197.8 | 191.1 |
| 152.5° | 208.4 | 211.5 | 212.8 | 212.9 | 212.8 | 211.5 | 208.4 | 204.7 | 200.0 | 194.6 | 188.4 |
| 155°   | 200.8 | 202.9 | 204.1 | 203.5 | 204.1 | 202.9 | 200.8 | 197.4 | 194.1 | 189.5 | 184.7 |
| 157.5° | 193.2 | 195.0 | 195.5 | 195.5 | 195.5 | 195.0 | 193.2 | 190.9 | 188.2 | 184.4 | 180.4 |
| 160°   | 188.6 | 190.1 | 190.5 | 190.5 | 190.5 | 190.1 | 188.6 | 186.5 | 184.3 | 181.0 | 177.6 |
| 162.5° | 184.5 | 185.5 | 185.8 | 185.5 | 185.8 | 185.5 | 184.5 | 182.4 | 180.7 | 177.9 | 175.0 |
| 165°   | 177.6 | 178.9 | 178.9 | 178.6 | 178.9 | 178.9 | 177.6 | 176.4 | 175.2 | 173.1 | 171.0 |
| 167.5° | 171.9 | 172.5 | 172.5 | 172.1 | 172.5 | 172.5 | 171.9 | 171.3 | 170.2 | 168.8 | 167.1 |
| 170°   | 168.2 | 169.1 | 168.8 | 168.2 | 168.8 | 169.1 | 168.2 | 167.9 | 167.3 | 166.1 | 165.2 |
| 172.5° | 165.3 | 165.7 | 165.4 | 165.1 | 165.4 | 165.7 | 165.3 | 165.0 | 164.6 | 163.7 | 163.0 |
| 175°   | 161.5 | 161.9 | 161.5 | 160.9 | 161.5 | 161.9 | 161.5 | 161.5 | 161.3 | 160.9 | 160.7 |
| 177.5° | 159.2 | 159.2 | 158.9 | 158.4 | 158.9 | 159.2 | 159.2 | 159.2 | 159.2 | 158.9 | 158.9 |
| 180°   | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 |



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**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°  | 3.9   | 4.1   | 4.2   | 4.0   | 3.5   | 3.4   | 3.4   | 3.4   | 3.6   | 3.5   | 3.5   |
| 90°    | 10.1  | 10.3  | 10.1  | 8.2   | 6.1   | 4.6   | 3.6   | 3.0   | 2.4   | 1.2   | 0.3   |
| 92.5°  | 33.4  | 39.5  | 39.0  | 30.4  | 20.7  | 13.8  | 10.9  | 8.9   | 7.6   | 5.3   | 3.7   |
| 95°    | 104.4 | 119.2 | 105.6 | 70.3  | 43.8  | 29.8  | 22.5  | 17.7  | 14.9  | 11.9  | 10.7  |
| 97.5°  | 213.5 | 203.5 | 153.3 | 94.7  | 57.8  | 40.2  | 31.9  | 26.3  | 22.2  | 18.9  | 17.3  |
| 100°   | 284.1 | 240.3 | 165.5 | 99.8  | 62.7  | 46.6  | 38.1  | 31.9  | 27.0  | 24.4  | 23.4  |
| 102.5° | 310.4 | 241.5 | 160.8 | 100.0 | 67.1  | 52.2  | 43.7  | 37.3  | 32.5  | 29.7  | 29.0  |
| 105°   | 306.3 | 225.4 | 151.8 | 101.6 | 74.6  | 60.3  | 51.7  | 45.0  | 40.5  | 38.3  | 37.1  |
| 107.5° | 279.7 | 208.1 | 147.3 | 105.8 | 82.2  | 68.4  | 59.8  | 53.1  | 48.9  | 46.8  | 45.9  |
| 110°   | 262.9 | 199.8 | 146.4 | 109.2 | 87.3  | 74.0  | 65.1  | 58.7  | 54.8  | 53.0  | 51.7  |



TEST NUMBER: P331242-935

CATALOG NUMBER: SA2XXDIP-C290D330U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 251.2 | 194.5 | 146.5 | 112.9 | 92.2  | 79.3  | 70.2  | 64.1  | 60.4  | 58.3  | 57.1  |
| 115°   | 236.7 | 188.6 | 147.8 | 118.3 | 99.8  | 86.7  | 78.5  | 72.4  | 68.8  | 66.9  | 65.4  |
| 117.5° | 227.6 | 185.7 | 150.1 | 124.2 | 106.8 | 94.7  | 86.2  | 80.3  | 77.1  | 75.3  | 74.0  |
| 120°   | 222.7 | 184.1 | 151.5 | 128.1 | 111.7 | 99.8  | 91.3  | 85.2  | 82.5  | 80.6  | 79.4  |
| 122.5° | 218.5 | 183.0 | 153.2 | 131.5 | 116.2 | 105.1 | 96.3  | 90.3  | 87.3  | 85.5  | 84.6  |
| 125°   | 212.7 | 181.3 | 155.8 | 136.9 | 123.2 | 112.3 | 103.8 | 97.6  | 94.0  | 92.2  | 91.3  |
| 127.5° | 207.2 | 180.3 | 158.3 | 142.0 | 129.7 | 119.0 | 110.2 | 104.4 | 100.4 | 97.8  | 96.6  |
| 130°   | 203.5 | 179.8 | 160.3 | 145.1 | 133.5 | 122.9 | 114.4 | 108.3 | 104.0 | 101.0 | 99.8  |
| 132.5° | 200.6 | 179.5 | 162.3 | 148.3 | 137.0 | 126.8 | 118.3 | 111.9 | 107.5 | 104.2 | 102.7 |
| 135°   | 196.5 | 179.2 | 164.6 | 152.4 | 141.8 | 132.0 | 123.6 | 116.5 | 111.9 | 108.3 | 107.1 |
| 137.5° | 193.6 | 179.1 | 166.7 | 155.6 | 145.7 | 136.0 | 128.1 | 121.2 | 116.3 | 112.7 | 111.2 |
| 140°   | 191.9 | 178.9 | 167.6 | 157.3 | 147.8 | 138.7 | 130.8 | 124.2 | 119.2 | 115.6 | 114.4 |
| 142.5° | 190.3 | 178.9 | 168.3 | 158.8 | 149.6 | 140.7 | 133.3 | 126.8 | 121.9 | 118.6 | 117.5 |
| 145°   | 188.0 | 178.2 | 169.1 | 160.7 | 152.1 | 143.9 | 137.2 | 131.1 | 126.6 | 123.6 | 122.3 |
| 147.5° | 185.7 | 177.2 | 169.4 | 161.7 | 154.2 | 146.5 | 140.5 | 135.4 | 131.2 | 128.3 | 127.4 |
| 150°   | 183.7 | 176.4 | 169.1 | 162.1 | 155.2 | 148.2 | 142.7 | 138.1 | 134.1 | 131.7 | 130.8 |
| 152.5° | 182.0 | 175.2 | 168.7 | 162.4 | 156.1 | 149.8 | 144.9 | 140.5 | 137.1 | 134.7 | 134.2 |
| 155°   | 178.9 | 173.1 | 167.9 | 162.7 | 157.6 | 152.4 | 147.8 | 144.5 | 141.1 | 139.3 | 139.1 |
| 157.5° | 175.9 | 170.9 | 166.5 | 162.7 | 158.6 | 154.2 | 150.4 | 147.7 | 144.8 | 143.4 | 143.0 |
| 160°   | 173.7 | 169.4 | 165.8 | 162.7 | 159.1 | 155.5 | 152.1 | 149.6 | 147.2 | 146.0 | 145.7 |
| 162.5° | 171.8 | 168.2 | 165.1 | 162.5 | 159.4 | 156.2 | 153.6 | 151.4 | 149.5 | 148.2 | 148.4 |
| 165°   | 168.5 | 165.8 | 163.7 | 161.9 | 159.7 | 157.0 | 155.2 | 153.6 | 151.8 | 151.2 | 151.5 |
| 167.5° | 165.4 | 163.7 | 162.3 | 161.4 | 159.6 | 157.6 | 156.5 | 155.4 | 154.2 | 153.7 | 154.0 |
| 170°   | 163.7 | 162.5 | 161.5 | 160.9 | 159.4 | 157.9 | 157.0 | 156.4 | 155.5 | 155.2 | 155.8 |
| 172.5° | 162.0 | 161.0 | 160.6 | 160.2 | 159.2 | 158.2 | 157.5 | 157.1 | 156.2 | 156.4 | 156.7 |
| 175°   | 159.7 | 159.4 | 159.1 | 159.4 | 158.8 | 158.2 | 157.9 | 157.9 | 157.3 | 157.6 | 157.9 |
| 177.5° | 158.4 | 158.2 | 158.4 | 158.9 | 158.4 | 158.2 | 158.2 | 158.2 | 157.7 | 157.9 | 158.4 |
| 180°   | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 |



TEST NUMBER: P331242-935

CATALOG NUMBER: SA2XXDIP-C290D330U935-4F0-1E-UDD-A4

**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   | 5.0   | 5.2   | 5.8   | 5.6   | 5.9   | 6.4   | 6.5   | 6.5   | 6.2   | 6.0   |
| 90°    | 1.2   | 2.4   | 3.0   | 3.6   | 4.6   | 6.1   | 8.2   | 10.1  | 10.3  | 10.1  | 9.7   |
| 92.5°  | 5.3   | 7.6   | 8.9   | 10.9  | 13.8  | 20.7  | 30.4  | 39.0  | 39.5  | 33.4  | 26.5  |
| 95°    | 11.9  | 14.9  | 17.7  | 22.5  | 29.8  | 43.8  | 70.3  | 105.6 | 119.2 | 104.4 | 79.7  |
| 97.5°  | 18.9  | 22.2  | 26.3  | 31.9  | 40.2  | 57.8  | 94.7  | 153.3 | 203.5 | 213.5 | 186.0 |
| 100°   | 24.4  | 27.0  | 31.9  | 38.1  | 46.6  | 62.7  | 99.8  | 165.5 | 240.3 | 284.1 | 277.8 |
| 102.5° | 29.7  | 32.5  | 37.3  | 43.7  | 52.2  | 67.1  | 100.0 | 160.8 | 241.5 | 310.4 | 337.9 |
| 105°   | 38.3  | 40.5  | 45.0  | 51.7  | 60.3  | 74.6  | 101.6 | 151.8 | 225.4 | 306.3 | 369.6 |
| 107.5° | 46.8  | 48.9  | 53.1  | 59.8  | 68.4  | 82.2  | 105.8 | 147.3 | 208.1 | 279.7 | 346.7 |
| 110°   | 53.0  | 54.8  | 58.7  | 65.1  | 74.0  | 87.3  | 109.2 | 146.4 | 199.8 | 262.9 | 327.0 |





TEST NUMBER: P331242-935

CATALOG NUMBER: SA2XXDIP-C290D330U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 58.3  | 60.4  | 64.1  | 70.2  | 79.3  | 92.2  | 112.9 | 146.5 | 194.5 | 251.2 | 309.0 |
| 115°   | 66.9  | 68.8  | 72.4  | 78.5  | 86.7  | 99.8  | 118.3 | 147.8 | 188.6 | 236.7 | 286.9 |
| 117.5° | 75.3  | 77.1  | 80.3  | 86.2  | 94.7  | 106.8 | 124.2 | 150.1 | 185.7 | 227.6 | 270.2 |
| 120°   | 80.6  | 82.5  | 85.2  | 91.3  | 99.8  | 111.7 | 128.1 | 151.5 | 184.1 | 222.7 | 261.9 |
| 122.5° | 85.5  | 87.3  | 90.3  | 96.3  | 105.1 | 116.2 | 131.5 | 153.2 | 183.0 | 218.5 | 255.4 |
| 125°   | 92.2  | 94.0  | 97.6  | 103.8 | 112.3 | 123.2 | 136.9 | 155.8 | 181.3 | 212.7 | 245.8 |
| 127.5° | 97.8  | 100.4 | 104.4 | 110.2 | 119.0 | 129.7 | 142.0 | 158.3 | 180.3 | 207.2 | 236.3 |
| 130°   | 101.0 | 104.0 | 108.3 | 114.4 | 122.9 | 133.5 | 145.1 | 160.3 | 179.8 | 203.5 | 230.3 |
| 132.5° | 104.2 | 107.5 | 111.9 | 118.3 | 126.8 | 137.0 | 148.3 | 162.3 | 179.5 | 200.6 | 224.5 |
| 135°   | 108.3 | 111.9 | 116.5 | 123.6 | 132.0 | 141.8 | 152.4 | 164.6 | 179.2 | 196.5 | 216.3 |
| 137.5° | 112.7 | 116.3 | 121.2 | 128.1 | 136.0 | 145.7 | 155.6 | 166.7 | 179.1 | 193.6 | 209.8 |
| 140°   | 115.6 | 119.2 | 124.2 | 130.8 | 138.7 | 147.8 | 157.3 | 167.6 | 178.9 | 191.9 | 205.6 |
| 142.5° | 118.6 | 121.9 | 126.8 | 133.3 | 140.7 | 149.6 | 158.8 | 168.3 | 178.9 | 190.3 | 202.2 |
| 145°   | 123.6 | 126.6 | 131.1 | 137.2 | 143.9 | 152.1 | 160.7 | 169.1 | 178.2 | 188.0 | 197.4 |
| 147.5° | 128.3 | 131.2 | 135.4 | 140.5 | 146.5 | 154.2 | 161.7 | 169.4 | 177.2 | 185.7 | 193.7 |
| 150°   | 131.7 | 134.1 | 138.1 | 142.7 | 148.2 | 155.2 | 162.1 | 169.1 | 176.4 | 183.7 | 191.1 |
| 152.5° | 134.7 | 137.1 | 140.5 | 144.9 | 149.8 | 156.1 | 162.4 | 168.7 | 175.2 | 182.0 | 188.4 |
| 155°   | 139.3 | 141.1 | 144.5 | 147.8 | 152.4 | 157.6 | 162.7 | 167.9 | 173.1 | 178.9 | 184.7 |
| 157.5° | 143.4 | 144.8 | 147.7 | 150.4 | 154.2 | 158.6 | 162.7 | 166.5 | 170.9 | 175.9 | 180.4 |
| 160°   | 146.0 | 147.2 | 149.6 | 152.1 | 155.5 | 159.1 | 162.7 | 165.8 | 169.4 | 173.7 | 177.6 |
| 162.5° | 148.2 | 149.5 | 151.4 | 153.6 | 156.2 | 159.4 | 162.5 | 165.1 | 168.2 | 171.8 | 175.0 |
| 165°   | 151.2 | 151.8 | 153.6 | 155.2 | 157.0 | 159.7 | 161.9 | 163.7 | 165.8 | 168.5 | 171.0 |
| 167.5° | 153.7 | 154.2 | 155.4 | 156.5 | 157.6 | 159.6 | 161.4 | 162.3 | 163.7 | 165.4 | 167.1 |
| 170°   | 155.2 | 155.5 | 156.4 | 157.0 | 157.9 | 159.4 | 160.9 | 161.5 | 162.5 | 163.7 | 165.2 |
| 172.5° | 156.4 | 156.2 | 157.1 | 157.5 | 158.2 | 159.2 | 160.2 | 160.6 | 161.0 | 162.0 | 163.0 |
| 175°   | 157.6 | 157.3 | 157.9 | 157.9 | 158.2 | 158.8 | 159.4 | 159.1 | 159.4 | 159.7 | 160.7 |
| 177.5° | 157.9 | 157.7 | 158.2 | 158.2 | 158.2 | 158.4 | 158.9 | 158.4 | 158.2 | 158.4 | 158.9 |
| 180°   | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 |



TEST NUMBER: P331242-935

CATALOG NUMBER: SA2XXDIP-C290D330U935-4F0-1E-UDD-A4

**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°  | 6.0   | 6.2   | 6.1   | 6.1   | 6.2   | 6.1   | 6.1   |
| 90°    | 9.1   | 9.7   | 10.1  | 10.1  | 10.1  | 10.1  | 10.1  |
| 92.5°  | 22.7  | 20.2  | 18.3  | 18.1  | 17.1  | 17.3  | 16.9  |
| 95°    | 61.1  | 48.4  | 41.7  | 37.7  | 35.3  | 34.4  | 34.7  |
| 97.5°  | 152.1 | 119.2 | 97.3  | 82.7  | 75.3  | 70.9  | 68.3  |
| 100°   | 240.0 | 198.4 | 161.5 | 136.3 | 123.2 | 114.4 | 108.9 |
| 102.5° | 329.3 | 298.9 | 259.8 | 232.4 | 210.1 | 199.1 | 191.7 |
| 105°   | 404.0 | 407.9 | 398.0 | 379.0 | 360.2 | 347.1 | 342.9 |
| 107.5° | 398.6 | 430.2 | 444.9 | 447.3 | 446.3 | 443.6 | 438.0 |
| 110°   | 381.5 | 420.4 | 445.4 | 458.5 | 464.3 | 467.0 | 466.7 |



TEST NUMBER: P331242-935

CATALOG NUMBER: SA2XXDIP-C290D330U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 335°  | 340°  | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 361.3 | 402.9 | 431.5 | 449.7 | 459.3 | 464.5 | 466.1 |
| 115°   | 333.7 | 373.6 | 404.9 | 426.5 | 440.5 | 448.4 | 451.2 |
| 117.5° | 311.3 | 347.5 | 376.9 | 398.9 | 413.7 | 422.0 | 424.3 |
| 120°   | 299.6 | 331.9 | 359.6 | 380.9 | 395.2 | 404.0 | 407.1 |
| 122.5° | 289.9 | 320.5 | 345.4 | 364.5 | 378.7 | 386.5 | 389.0 |
| 125°   | 277.2 | 303.9 | 326.7 | 344.4 | 355.9 | 363.5 | 366.0 |
| 127.5° | 264.8 | 290.0 | 311.0 | 326.4 | 337.3 | 343.8 | 345.8 |
| 130°   | 256.5 | 280.5 | 300.6 | 315.5 | 325.8 | 331.9 | 334.3 |
| 132.5° | 248.7 | 270.8 | 289.6 | 304.3 | 314.6 | 320.2 | 322.4 |
| 135°   | 236.3 | 256.5 | 273.5 | 286.5 | 296.6 | 302.1 | 303.3 |
| 137.5° | 226.6 | 242.5 | 257.4 | 269.3 | 277.9 | 282.8 | 284.6 |
| 140°   | 220.2 | 234.3 | 247.6 | 257.4 | 265.3 | 269.8 | 271.6 |
| 142.5° | 214.6 | 226.7 | 237.9 | 247.1 | 254.3 | 258.4 | 258.7 |
| 145°   | 207.5 | 216.9 | 225.8 | 233.0 | 238.2 | 241.3 | 242.1 |
| 147.5° | 201.6 | 209.0 | 215.4 | 221.4 | 225.6 | 227.6 | 228.3 |
| 150°   | 197.8 | 204.1 | 209.6 | 214.1 | 217.8 | 219.6 | 220.0 |
| 152.5° | 194.6 | 200.0 | 204.7 | 208.4 | 211.5 | 212.8 | 212.9 |
| 155°   | 189.5 | 194.1 | 197.4 | 200.8 | 202.9 | 204.1 | 203.5 |
| 157.5° | 184.4 | 188.2 | 190.9 | 193.2 | 195.0 | 195.5 | 195.5 |
| 160°   | 181.0 | 184.3 | 186.5 | 188.6 | 190.1 | 190.5 | 190.5 |
| 162.5° | 177.9 | 180.7 | 182.4 | 184.5 | 185.5 | 185.8 | 185.5 |
| 165°   | 173.1 | 175.2 | 176.4 | 177.6 | 178.9 | 178.9 | 178.6 |
| 167.5° | 168.8 | 170.2 | 171.3 | 171.9 | 172.5 | 172.5 | 172.1 |
| 170°   | 166.1 | 167.3 | 167.9 | 168.2 | 169.1 | 168.8 | 168.2 |
| 172.5° | 163.7 | 164.6 | 165.0 | 165.3 | 165.7 | 165.4 | 165.1 |
| 175°   | 160.9 | 161.3 | 161.5 | 161.5 | 161.9 | 161.5 | 160.9 |
| 177.5° | 158.9 | 159.2 | 159.2 | 159.2 | 159.2 | 158.9 | 158.4 |
| 180°   | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 |

(END OF REPORT)