

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P331276-930

Luminaire Tested: **SA2XXDIP-C290D1080U930-4F0-1E-UDD-A**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331276-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA2XXDIP-C290D1080U930-4F0-1E-UDD-A  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 290 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1080 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4576.3 lumens  
Efficiency: N/A  
Efficacy: 108.4 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: Semi-Indirect

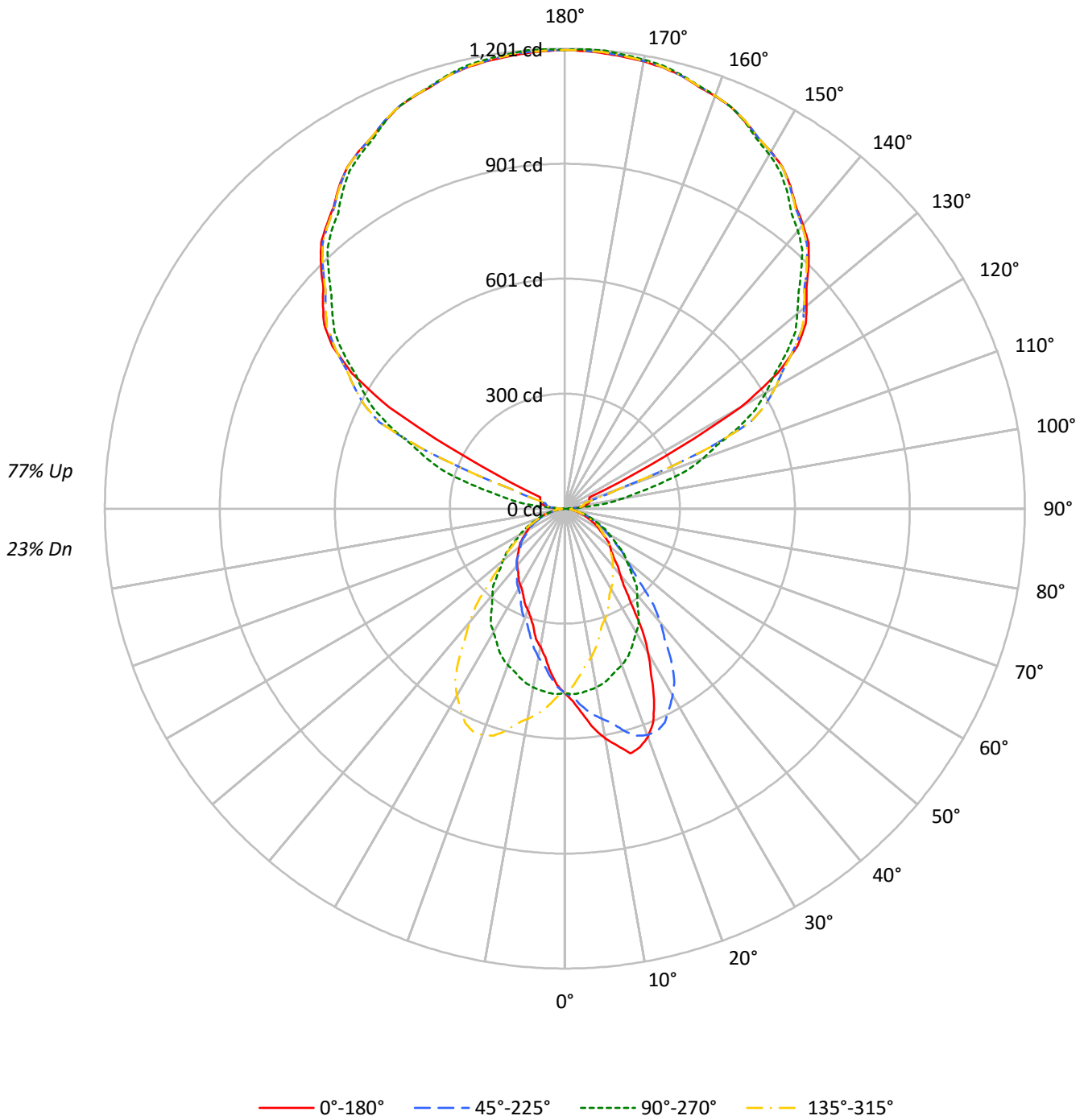
Input Watts (W): 42.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P331276-930

CATALOG NUMBER: SA2XXDIP-C290D1080U930-4F0-1E-UDD-A

### Luminous Intensity Polar Plot





TEST NUMBER: P331276-930

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

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

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 90°  | 180° | 270° |
|-----|-------|------|------|------|
| 0°  | 7781  | 7781 | 7781 | 7781 |
| 5°  | 8723  | 7831 | 6940 | 7831 |
| 10° | 9996  | 7768 | 6005 | 7768 |
| 15° | 11057 | 7626 | 5307 | 7626 |
| 20° | 10890 | 7472 | 4837 | 7472 |
| 25° | 9818  | 7269 | 4541 | 7269 |
| 30° | 8114  | 6943 | 4323 | 6943 |
| 35° | 5913  | 6603 | 4169 | 6603 |
| 40° | 4723  | 6203 | 4083 | 6203 |
| 45° | 4128  | 5740 | 3966 | 5740 |
| 50° | 3881  | 5290 | 3888 | 5290 |
| 55° | 3575  | 4833 | 3783 | 4833 |
| 60° | 3278  | 4346 | 3626 | 4346 |
| 65° | 2988  | 3912 | 3465 | 3912 |
| 70° | 2710  | 3489 | 3238 | 3489 |
| 75° | 2408  | 3013 | 2863 | 3013 |
| 80° | 2073  | 2492 | 2306 | 2492 |
| 85° | 1853  | 1853 | 1371 | 1853 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 45.9   | 1.0       |
| 10°-20°   | 133.4  | 2.9       |
| 20°-30°   | 193.6  | 4.2       |
| 30°-40°   | 204.3  | 4.5       |
| 40°-50°   | 180.9  | 4.0       |
| 50°-60°   | 144.4  | 3.2       |
| 60°-70°   | 98.1   | 2.1       |
| 70°-80°   | 50.3   | 1.1       |
| 80°-90°   | 15.1   | 0.3       |
| 90°-100°  | 40.0   | 0.9       |
| 100°-110° | 146.5  | 3.2       |
| 110°-120° | 391.7  | 8.6       |
| 120°-130° | 646.5  | 14.1      |
| 130°-140° | 687.6  | 15.0      |
| 140°-150° | 639.1  | 14.0      |
| 150°-160° | 513.8  | 11.2      |
| 160°-170° | 331.1  | 7.2       |
| 170°-180° | 114.0  | 2.5       |
| 0°-30°    | 373.0  | 8.1       |
| 0°-40°    | 577.3  | 12.6      |
| 0°-60°    | 902.6  | 19.7      |
| 0°-90°    | 1066.1 | 23.3      |
| 90°-120°  | 578.1  | 12.6      |
| 90°-150°  | 2551.3 | 55.7      |
| 90°-180°  | 3510.0 | 76.7      |
| 0°-180°   | 4576.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 482  | 482  | 482  | 482  | 482  |      |
| 5°   | 538  | 483  | 428  | 483  | 538  | 54   |
| 15°  | 662  | 456  | 318  | 456  | 662  | 183  |
| 25°  | 551  | 408  | 255  | 408  | 551  | 249  |
| 35°  | 300  | 335  | 212  | 335  | 300  | 195  |
| 45°  | 181  | 251  | 174  | 251  | 181  | 142  |
| 55°  | 127  | 172  | 134  | 172  | 127  | 114  |
| 65°  | 78   | 102  | 91   | 102  | 78   | 78   |
| 75°  | 39   | 48   | 46   | 48   | 39   | 41   |
| 85°  | 10   | 10   | 7    | 10   | 10   | 12   |
| 90°  | 23   | 1    | 23   | 1    | 23   | 11   |
| 95°  | 37   | 56   | 37   | 56   | 37   | 35   |
| 105° | 66   | 264  | 66   | 264  | 66   | 68   |
| 115° | 71   | 498  | 71   | 498  | 71   | 178  |
| 125° | 741  | 705  | 741  | 705  | 741  | 641  |
| 135° | 900  | 872  | 900  | 872  | 900  | 694  |
| 145° | 1027 | 1012 | 1027 | 1012 | 1027 | 642  |
| 155° | 1115 | 1114 | 1115 | 1114 | 1115 | 514  |
| 165° | 1171 | 1174 | 1171 | 1174 | 1171 | 331  |
| 175° | 1193 | 1200 | 1193 | 1200 | 1193 | 114  |
| 180° | 1198 | 1198 | 1198 | 1198 | 1198 |      |



TEST NUMBER: P331276-930

CATALOG NUMBER: SA2XXDIP-C290D1080U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 |
| 2.5°   | 504.1 | 504.3 | 504.6 | 502.2 | 501.9 | 501.9 | 499.9 | 498.1 | 495.9 | 493.2 | 493.5 |
| 5°     | 538.2 | 540.2 | 541.0 | 538.7 | 535.4 | 535.1 | 531.9 | 526.8 | 521.9 | 518.0 | 515.3 |
| 7.5°   | 578.9 | 579.7 | 577.9 | 574.9 | 572.5 | 568.0 | 562.1 | 556.4 | 548.4 | 541.0 | 535.6 |
| 10°    | 609.7 | 610.8 | 607.6 | 603.4 | 599.9 | 594.7 | 586.2 | 577.5 | 567.0 | 556.8 | 548.6 |
| 12.5°  | 633.1 | 635.9 | 631.8 | 631.3 | 625.3 | 618.1 | 608.0 | 603.6 | 588.7 | 574.5 | 565.7 |
| 15°    | 661.5 | 661.4 | 661.8 | 658.2 | 653.8 | 652.6 | 642.0 | 630.2 | 609.4 | 601.0 | 586.5 |
| 17.5°  | 653.3 | 656.2 | 657.5 | 657.4 | 657.3 | 656.6 | 653.1 | 645.8 | 635.3 | 621.7 | 605.1 |
| 20°    | 633.8 | 637.5 | 638.1 | 642.3 | 644.7 | 647.8 | 649.1 | 647.1 | 640.7 | 629.3 | 614.9 |
| 22.5°  | 603.6 | 604.6 | 606.3 | 612.9 | 618.2 | 626.1 | 630.1 | 637.1 | 634.5 | 629.0 | 616.9 |
| 25°    | 551.1 | 549.3 | 555.8 | 559.1 | 571.2 | 583.8 | 592.9 | 602.8 | 611.7 | 617.1 | 613.6 |
| 27.5°  | 488.3 | 485.5 | 495.2 | 504.1 | 513.8 | 527.5 | 541.6 | 558.3 | 572.2 | 589.6 | 595.6 |
| 30°    | 435.2 | 436.9 | 446.1 | 455.6 | 470.4 | 489.7 | 505.6 | 523.9 | 543.8 | 563.2 | 576.7 |
| 32.5°  | 378.1 | 384.4 | 390.3 | 404.8 | 417.8 | 439.3 | 462.7 | 485.6 | 510.3 | 532.4 | 553.3 |
| 35°    | 300.0 | 307.4 | 315.6 | 326.1 | 344.5 | 365.7 | 388.6 | 419.5 | 453.2 | 483.4 | 508.2 |
| 37.5°  | 252.6 | 251.4 | 256.0 | 263.7 | 278.5 | 295.7 | 322.0 | 352.5 | 392.2 | 427.6 | 462.7 |
| 40°    | 224.1 | 223.4 | 226.7 | 233.7 | 245.0 | 257.6 | 280.6 | 307.4 | 344.3 | 387.7 | 429.3 |
| 42.5°  | 204.6 | 205.0 | 206.8 | 211.8 | 219.6 | 229.9 | 247.1 | 269.9 | 303.7 | 344.5 | 389.3 |
| 45°    | 180.8 | 182.1 | 184.1 | 186.5 | 190.9 | 199.5 | 209.1 | 225.4 | 252.1 | 286.2 | 330.2 |
| 47.5°  | 163.6 | 163.7 | 165.8 | 167.9 | 170.5 | 175.3 | 183.2 | 193.4 | 212.2 | 239.9 | 277.9 |
| 50°    | 154.5 | 153.2 | 154.7 | 156.3 | 159.1 | 162.4 | 167.6 | 177.2 | 189.8 | 212.2 | 243.9 |
| 52.5°  | 143.2 | 143.2 | 144.6 | 145.2 | 147.7 | 151.0 | 155.7 | 162.4 | 173.8 | 191.4 | 217.4 |
| 55°    | 127.0 | 128.0 | 128.7 | 129.8 | 132.1 | 134.4 | 138.2 | 142.6 | 151.5 | 164.6 | 183.9 |
| 57.5°  | 111.9 | 112.2 | 112.9 | 115.0 | 116.4 | 118.6 | 122.1 | 126.2 | 132.0 | 141.7 | 156.2 |
| 60°    | 101.5 | 101.5 | 103.0 | 103.9 | 105.7 | 107.9 | 110.7 | 114.6 | 119.8 | 127.8 | 139.5 |
| 62.5°  | 92.0  | 91.9  | 92.5  | 94.0  | 95.4  | 97.4  | 100.2 | 103.5 | 108.4 | 115.5 | 125.1 |
| 65°    | 78.2  | 77.8  | 78.9  | 79.2  | 80.7  | 82.8  | 85.0  | 88.5  | 92.5  | 97.6  | 106.2 |
| 67.5°  | 64.8  | 65.3  | 65.9  | 66.5  | 67.3  | 69.5  | 71.0  | 73.5  | 76.8  | 81.1  | 86.8  |
| 70°    | 57.4  | 57.4  | 57.4  | 58.0  | 59.1  | 60.2  | 61.6  | 63.7  | 66.9  | 70.5  | 75.7  |
| 72.5°  | 49.1  | 49.7  | 50.3  | 50.0  | 51.4  | 52.0  | 53.8  | 55.0  | 58.0  | 60.3  | 64.9  |
| 75°    | 38.6  | 38.6  | 38.6  | 39.5  | 40.0  | 40.5  | 41.7  | 42.8  | 44.3  | 47.2  | 49.7  |
| 77.5°  | 28.8  | 28.7  | 28.9  | 29.1  | 29.7  | 30.3  | 30.7  | 31.6  | 33.0  | 34.4  | 36.4  |
| 80°    | 22.3  | 22.6  | 22.7  | 23.2  | 23.2  | 23.5  | 23.7  | 25.0  | 25.9  | 26.8  | 28.1  |
| 82.5°  | 17.2  | 17.3  | 17.3  | 17.4  | 17.5  | 17.8  | 18.3  | 18.7  | 19.0  | 19.7  | 20.7  |
| 85°    | 10.0  | 9.8   | 9.8   | 10.2  | 10.0  | 10.0  | 10.4  | 10.8  | 10.8  | 10.9  | 11.5  |
| 87.5°  | 8.6   | 8.5   | 8.6   | 8.3   | 8.2   | 8.2   | 8.1   | 7.7   | 7.7   | 7.6   | 7.4   |
| 90°    | 23.4  | 23.0  | 22.7  | 22.3  | 21.9  | 21.2  | 20.2  | 19.2  | 18.3  | 17.4  | 15.8  |
| 92.5°  | 23.4  | 23.2  | 22.9  | 22.7  | 22.5  | 22.1  | 21.6  | 21.1  | 20.6  | 20.1  | 19.3  |
| 95°    | 37.3  | 37.4  | 37.7  | 37.8  | 38.1  | 37.7  | 36.7  | 35.7  | 34.7  | 33.8  | 32.4  |
| 97.5°  | 49.7  | 49.5  | 49.3  | 49.1  | 48.8  | 48.3  | 47.5  | 46.8  | 46.0  | 45.2  | 42.2  |
| 100°   | 58.0  | 57.7  | 57.3  | 56.9  | 56.5  | 55.6  | 54.1  | 52.5  | 51.0  | 49.4  | 46.1  |
| 102.5° | 62.2  | 61.7  | 61.1  | 60.6  | 60.1  | 58.8  | 56.8  | 54.8  | 52.8  | 50.8  | 78.2  |
| 105°   | 65.9  | 65.1  | 64.3  | 63.6  | 62.8  | 61.3  | 59.2  | 57.1  | 55.0  | 52.8  | 105.4 |
| 107.5° | 67.8  | 67.0  | 66.2  | 65.5  | 64.7  | 65.4  | 67.5  | 69.7  | 71.8  | 74.0  | 137.1 |
| 110°   | 68.5  | 67.7  | 66.9  | 66.1  | 65.4  | 74.6  | 93.9  | 113.2 | 132.4 | 151.6 | 207.3 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 69.1   | 68.6   | 67.9   | 67.3   | 66.7   | 101.5  | 171.8  | 242.1  | 312.3  | 382.5  | 396.3  |
| 115°   | 71.1   | 85.0   | 98.8   | 112.7  | 126.5  | 178.1  | 267.3  | 356.4  | 445.6  | 534.8  | 529.9  |
| 117.5° | 290.2  | 335.7  | 381.3  | 426.9  | 472.5  | 506.1  | 527.6  | 549.2  | 570.7  | 592.3  | 589.0  |
| 120°   | 528.7  | 554.6  | 580.7  | 606.7  | 632.7  | 644.6  | 642.2  | 639.9  | 637.6  | 635.3  | 631.9  |
| 122.5° | 659.7  | 664.8  | 669.8  | 674.9  | 679.9  | 681.8  | 680.4  | 679.0  | 677.6  | 676.2  | 672.5  |
| 125°   | 741.0  | 740.5  | 739.9  | 739.3  | 738.7  | 737.8  | 736.4  | 735.1  | 733.7  | 732.4  | 728.7  |
| 127.5° | 792.3  | 792.2  | 792.1  | 792.0  | 791.9  | 790.8  | 788.9  | 786.9  | 785.0  | 783.0  | 780.2  |
| 130°   | 824.3  | 824.4  | 824.6  | 824.8  | 825.0  | 824.0  | 821.9  | 819.8  | 817.7  | 815.5  | 813.4  |
| 132.5° | 855.4  | 855.7  | 855.8  | 856.0  | 856.2  | 855.4  | 853.6  | 851.7  | 849.9  | 848.2  | 846.0  |
| 135°   | 900.5  | 900.9  | 901.2  | 901.6  | 902.0  | 901.2  | 899.4  | 897.4  | 895.5  | 893.6  | 891.9  |
| 137.5° | 941.6  | 942.2  | 942.9  | 943.5  | 944.2  | 943.5  | 941.7  | 939.8  | 937.9  | 936.0  | 934.1  |
| 140°   | 967.3  | 968.2  | 969.1  | 970.1  | 971.1  | 970.7  | 969.0  | 967.3  | 965.5  | 963.8  | 961.6  |
| 142.5° | 992.2  | 993.2  | 994.1  | 995.1  | 996.1  | 995.7  | 994.2  | 992.5  | 991.0  | 989.4  | 987.0  |
| 145°   | 1027.0 | 1028.0 | 1029.0 | 1030.0 | 1030.9 | 1030.7 | 1029.3 | 1028.0 | 1026.6 | 1025.3 | 1022.1 |
| 147.5° | 1057.7 | 1058.5 | 1059.3 | 1060.1 | 1060.9 | 1060.9 | 1059.9 | 1058.8 | 1057.9 | 1056.9 | 1053.6 |
| 150°   | 1076.4 | 1077.4 | 1078.4 | 1079.3 | 1080.3 | 1080.2 | 1079.0 | 1077.9 | 1076.8 | 1075.5 | 1072.5 |
| 152.5° | 1092.4 | 1093.6 | 1094.9 | 1096.2 | 1097.5 | 1097.6 | 1096.4 | 1095.2 | 1094.1 | 1092.9 | 1090.0 |
| 155°   | 1114.6 | 1116.1 | 1117.7 | 1119.2 | 1120.7 | 1121.0 | 1119.8 | 1118.6 | 1117.4 | 1116.3 | 1114.0 |
| 157.5° | 1134.8 | 1136.4 | 1137.8 | 1139.4 | 1140.8 | 1140.9 | 1139.6 | 1138.3 | 1137.0 | 1135.7 | 1134.1 |
| 160°   | 1146.6 | 1148.0 | 1149.3 | 1150.7 | 1152.0 | 1152.1 | 1151.0 | 1149.8 | 1148.7 | 1147.5 | 1146.4 |
| 162.5° | 1156.3 | 1158.0 | 1159.7 | 1161.3 | 1162.9 | 1163.2 | 1161.8 | 1160.5 | 1159.2 | 1157.9 | 1156.9 |
| 165°   | 1170.9 | 1172.2 | 1173.6 | 1174.9 | 1176.3 | 1176.3 | 1174.9 | 1173.6 | 1172.2 | 1170.9 | 1170.4 |
| 167.5° | 1180.1 | 1181.9 | 1183.6 | 1185.3 | 1187.0 | 1187.2 | 1185.9 | 1184.5 | 1183.2 | 1181.9 | 1181.3 |
| 170°   | 1185.6 | 1187.4 | 1189.1 | 1190.8 | 1192.5 | 1192.8 | 1191.4 | 1190.1 | 1188.7 | 1187.4 | 1187.0 |
| 172.5° | 1189.8 | 1191.6 | 1193.3 | 1195.0 | 1196.8 | 1196.9 | 1195.6 | 1194.3 | 1192.9 | 1191.6 | 1191.2 |
| 175°   | 1193.4 | 1195.4 | 1197.3 | 1199.2 | 1201.2 | 1201.4 | 1200.1 | 1198.7 | 1197.4 | 1196.0 | 1195.6 |
| 177.5° | 1195.7 | 1197.1 | 1198.5 | 1199.9 | 1201.3 | 1201.4 | 1200.3 | 1199.2 | 1198.2 | 1197.1 | 1196.9 |
| 180°   | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 |
| 2.5°   | 494.5 | 493.3 | 492.6 | 489.9 | 487.5 | 485.2 | 484.5 | 484.7 | 481.4 | 478.3 | 477.0 |
| 5°     | 513.8 | 510.1 | 506.5 | 501.6 | 495.6 | 489.1 | 485.8 | 483.2 | 476.7 | 469.7 | 465.6 |
| 7.5°   | 531.0 | 525.7 | 518.9 | 509.6 | 500.9 | 490.7 | 484.2 | 478.5 | 469.0 | 459.1 | 453.0 |
| 10°    | 541.5 | 534.3 | 525.6 | 514.1 | 503.6 | 491.1 | 482.5 | 473.8 | 462.7 | 450.8 | 443.4 |
| 12.5°  | 550.6 | 540.9 | 532.3 | 517.6 | 505.1 | 489.5 | 479.2 | 466.9 | 455.3 | 441.2 | 433.9 |
| 15°    | 572.1 | 554.2 | 537.9 | 521.1 | 505.8 | 484.1 | 472.6 | 456.2 | 440.8 | 423.4 | 415.1 |
| 17.5°  | 588.7 | 568.5 | 542.9 | 521.7 | 503.8 | 479.7 | 462.9 | 443.2 | 425.0 | 405.1 | 393.8 |
| 20°    | 598.2 | 575.0 | 547.5 | 522.3 | 500.8 | 473.4 | 455.0 | 434.9 | 413.6 | 391.2 | 379.0 |
| 22.5°  | 603.8 | 579.5 | 552.2 | 520.1 | 494.9 | 468.2 | 445.2 | 423.0 | 401.5 | 377.2 | 364.4 |
| 25°    | 605.6 | 583.4 | 554.5 | 518.2 | 487.5 | 457.3 | 429.5 | 408.0 | 381.9 | 359.3 | 340.6 |
| 27.5°  | 596.8 | 580.9 | 553.1 | 514.7 | 478.9 | 443.6 | 412.6 | 388.3 | 360.8 | 336.2 | 317.4 |
| 30°    | 586.0 | 576.7 | 549.7 | 511.2 | 472.1 | 434.1 | 400.1 | 372.4 | 345.0 | 320.2 | 300.9 |
| 32.5°  | 569.2 | 567.3 | 543.5 | 506.1 | 464.8 | 422.2 | 386.9 | 359.0 | 328.6 | 304.2 | 285.8 |
| 35°    | 536.4 | 545.3 | 530.3 | 494.9 | 451.2 | 405.0 | 366.9 | 335.0 | 303.5 | 280.2 | 263.0 |
| 37.5°  | 492.3 | 514.4 | 510.5 | 478.4 | 432.7 | 386.5 | 344.3 | 311.0 | 281.0 | 257.5 | 240.6 |
| 40°    | 461.9 | 490.1 | 494.2 | 465.8 | 419.7 | 372.1 | 327.4 | 294.3 | 265.1 | 243.5 | 226.5 |
| 42.5°  | 429.3 | 462.2 | 473.4 | 450.7 | 405.4 | 356.9 | 312.3 | 278.0 | 249.0 | 228.1 | 213.0 |
| 45°    | 374.7 | 418.2 | 438.4 | 425.4 | 381.7 | 332.1 | 286.2 | 251.4 | 225.0 | 205.4 | 193.7 |
| 47.5°  | 323.6 | 371.1 | 398.3 | 393.7 | 355.3 | 306.1 | 260.7 | 227.3 | 201.7 | 186.1 | 175.6 |
| 50°    | 287.5 | 336.3 | 369.1 | 370.6 | 336.3 | 287.6 | 242.1 | 210.6 | 187.0 | 172.4 | 163.9 |
| 52.5°  | 256.0 | 302.7 | 338.4 | 346.3 | 315.1 | 268.4 | 225.3 | 194.0 | 173.3 | 159.8 | 152.2 |
| 55°    | 215.0 | 254.5 | 294.1 | 308.6 | 283.6 | 239.1 | 199.3 | 171.7 | 152.2 | 143.0 | 136.3 |
| 57.5°  | 178.8 | 211.7 | 248.3 | 264.2 | 248.8 | 210.8 | 173.4 | 149.4 | 133.7 | 125.6 | 120.4 |
| 60°    | 159.6 | 185.6 | 218.2 | 237.3 | 223.9 | 190.0 | 157.4 | 134.6 | 121.6 | 114.5 | 109.7 |
| 62.5°  | 141.9 | 164.9 | 192.4 | 209.9 | 202.6 | 170.6 | 141.5 | 121.3 | 110.1 | 103.4 | 99.9  |
| 65°    | 117.1 | 135.2 | 156.5 | 172.6 | 167.8 | 143.6 | 119.6 | 102.4 | 93.5  | 88.1  | 85.4  |
| 67.5°  | 96.4  | 109.5 | 124.3 | 138.4 | 134.5 | 117.3 | 98.2  | 84.7  | 78.1  | 73.5  | 71.7  |
| 70°    | 83.3  | 93.4  | 106.5 | 117.8 | 114.6 | 100.6 | 85.4  | 73.9  | 68.2  | 64.2  | 62.6  |
| 72.5°  | 70.9  | 79.1  | 89.2  | 98.4  | 96.3  | 84.5  | 71.9  | 63.3  | 58.8  | 55.2  | 53.9  |
| 75°    | 53.6  | 59.8  | 66.0  | 72.1  | 71.5  | 62.5  | 55.0  | 48.3  | 44.8  | 42.1  | 41.5  |
| 77.5°  | 39.5  | 43.0  | 47.2  | 50.8  | 49.8  | 44.6  | 38.8  | 35.0  | 32.4  | 30.6  | 30.2  |
| 80°    | 30.2  | 32.2  | 35.2  | 37.7  | 36.5  | 34.2  | 29.6  | 26.8  | 25.0  | 23.2  | 22.4  |
| 82.5°  | 21.9  | 23.9  | 25.7  | 27.1  | 26.1  | 24.1  | 21.2  | 19.3  | 18.2  | 17.0  | 16.6  |
| 85°    | 11.5  | 12.6  | 13.4  | 13.7  | 13.4  | 12.1  | 10.8  | 10.0  | 9.0   | 8.5   | 8.3   |
| 87.5°  | 7.3   | 7.0   | 6.7   | 6.6   | 5.7   | 5.3   | 4.3   | 3.4   | 3.7   | 4.0   | 4.1   |
| 90°    | 14.3  | 12.7  | 11.2  | 9.4   | 7.3   | 5.1   | 3.0   | 0.9   | 3.0   | 5.1   | 7.3   |
| 92.5°  | 18.6  | 17.8  | 17.0  | 16.7  | 17.0  | 17.1  | 17.3  | 17.5  | 17.3  | 17.1  | 17.0  |
| 95°    | 31.1  | 29.8  | 28.4  | 30.9  | 37.3  | 43.6  | 50.0  | 56.3  | 50.0  | 43.6  | 37.3  |
| 97.5°  | 39.0  | 35.9  | 32.8  | 40.2  | 58.0  | 76.0  | 93.9  | 111.8 | 93.9  | 76.0  | 58.0  |
| 100°   | 42.9  | 39.5  | 36.3  | 47.9  | 74.3  | 100.6 | 127.0 | 153.4 | 127.0 | 100.6 | 74.3  |
| 102.5° | 105.6 | 133.0 | 160.4 | 176.8 | 182.4 | 188.0 | 193.6 | 199.2 | 193.6 | 188.0 | 182.4 |
| 105°   | 158.0 | 210.6 | 263.2 | 286.6 | 280.8 | 275.0 | 269.3 | 263.5 | 269.3 | 275.0 | 280.8 |
| 107.5° | 200.2 | 263.2 | 326.3 | 355.5 | 350.7 | 346.1 | 341.4 | 336.8 | 341.4 | 346.1 | 350.7 |
| 110°   | 263.0 | 318.6 | 374.3 | 400.1 | 396.1 | 392.1 | 388.0 | 383.9 | 388.0 | 392.1 | 396.1 |





TEST NUMBER: P331276-930

CATALOG NUMBER: SA2XXDIP-C290D1080U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 410.1  | 423.8  | 437.6  | 442.6  | 439.0  | 435.5  | 431.9  | 428.4  | 431.9  | 435.5  | 439.0  |
| 115°   | 525.1  | 520.3  | 515.5  | 511.4  | 508.2  | 504.9  | 501.7  | 498.4  | 501.7  | 504.9  | 508.2  |
| 117.5° | 585.7  | 582.4  | 579.0  | 575.6  | 571.9  | 568.3  | 564.6  | 560.9  | 564.6  | 568.3  | 571.9  |
| 120°   | 628.4  | 624.9  | 621.4  | 618.2  | 615.4  | 612.5  | 609.6  | 606.7  | 609.6  | 612.5  | 615.4  |
| 122.5° | 668.6  | 664.9  | 661.1  | 657.7  | 654.7  | 651.6  | 648.6  | 645.6  | 648.6  | 651.6  | 654.7  |
| 125°   | 725.0  | 721.4  | 717.7  | 714.6  | 712.2  | 709.6  | 707.1  | 704.7  | 707.1  | 709.6  | 712.2  |
| 127.5° | 777.5  | 774.8  | 772.0  | 769.3  | 766.5  | 763.8  | 761.0  | 758.2  | 761.0  | 763.8  | 766.5  |
| 130°   | 811.3  | 809.2  | 807.1  | 804.5  | 801.4  | 798.3  | 795.2  | 792.1  | 795.2  | 798.3  | 801.4  |
| 132.5° | 843.9  | 841.8  | 839.7  | 837.3  | 834.7  | 832.1  | 829.5  | 826.8  | 829.5  | 832.1  | 834.7  |
| 135°   | 890.1  | 888.4  | 886.6  | 884.2  | 881.2  | 878.1  | 875.0  | 871.9  | 875.0  | 878.1  | 881.2  |
| 137.5° | 932.1  | 930.2  | 928.1  | 926.1  | 924.0  | 921.8  | 919.7  | 917.5  | 919.7  | 921.8  | 924.0  |
| 140°   | 959.5  | 957.4  | 955.3  | 953.5  | 951.9  | 950.4  | 948.8  | 947.3  | 948.8  | 950.4  | 951.9  |
| 142.5° | 984.6  | 982.1  | 979.7  | 977.8  | 976.4  | 975.0  | 973.6  | 972.2  | 973.6  | 975.0  | 976.4  |
| 145°   | 1018.7 | 1015.5 | 1012.2 | 1010.6 | 1010.9 | 1011.1 | 1011.2 | 1011.5 | 1011.2 | 1011.1 | 1010.9 |
| 147.5° | 1050.4 | 1047.2 | 1043.9 | 1042.7 | 1043.4 | 1044.2 | 1044.9 | 1045.6 | 1044.9 | 1044.2 | 1043.4 |
| 150°   | 1069.4 | 1066.3 | 1063.2 | 1062.4 | 1063.7 | 1065.1 | 1066.4 | 1067.8 | 1066.4 | 1065.1 | 1063.7 |
| 152.5° | 1087.0 | 1084.1 | 1081.2 | 1080.5 | 1082.0 | 1083.5 | 1085.0 | 1086.5 | 1085.0 | 1083.5 | 1082.0 |
| 155°   | 1111.7 | 1109.4 | 1107.1 | 1106.8 | 1108.5 | 1110.3 | 1112.0 | 1113.7 | 1112.0 | 1110.3 | 1108.5 |
| 157.5° | 1132.5 | 1130.9 | 1129.3 | 1129.2 | 1130.7 | 1132.1 | 1133.6 | 1135.1 | 1133.6 | 1132.1 | 1130.7 |
| 160°   | 1145.2 | 1144.0 | 1142.9 | 1142.9 | 1144.0 | 1145.2 | 1146.4 | 1147.5 | 1146.4 | 1145.2 | 1144.0 |
| 162.5° | 1155.9 | 1154.9 | 1153.9 | 1154.0 | 1155.1 | 1156.3 | 1157.5 | 1158.6 | 1157.5 | 1156.3 | 1155.1 |
| 165°   | 1169.8 | 1169.1 | 1168.6 | 1168.9 | 1170.0 | 1171.2 | 1172.3 | 1173.5 | 1172.3 | 1171.2 | 1170.0 |
| 167.5° | 1180.7 | 1180.2 | 1179.7 | 1180.0 | 1181.1 | 1182.3 | 1183.5 | 1184.6 | 1183.5 | 1182.3 | 1181.1 |
| 170°   | 1186.6 | 1186.3 | 1185.9 | 1186.3 | 1187.4 | 1188.5 | 1189.7 | 1190.8 | 1189.7 | 1188.5 | 1187.4 |
| 172.5° | 1190.7 | 1190.4 | 1190.0 | 1190.4 | 1191.6 | 1192.7 | 1193.8 | 1195.0 | 1193.8 | 1192.7 | 1191.6 |
| 175°   | 1195.3 | 1194.9 | 1194.5 | 1195.0 | 1196.4 | 1197.7 | 1199.1 | 1200.4 | 1199.1 | 1197.7 | 1196.4 |
| 177.5° | 1196.8 | 1196.6 | 1196.5 | 1196.9 | 1198.0 | 1199.1 | 1200.2 | 1201.3 | 1200.2 | 1199.1 | 1198.0 |
| 180°   | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 |



TEST NUMBER: P331276-930

CATALOG NUMBER: SA2XXDIP-C290D1080U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 |
| 2.5°   | 475.6 | 474.7 | 471.6 | 469.9 | 467.2 | 464.7 | 463.1 | 463.8 | 464.4 | 464.1 | 463.7 |
| 5°     | 461.9 | 458.4 | 453.0 | 448.4 | 445.1 | 439.0 | 436.3 | 435.0 | 433.9 | 432.7 | 431.4 |
| 7.5°   | 445.6 | 440.1 | 432.4 | 425.8 | 419.6 | 412.0 | 407.6 | 405.1 | 402.4 | 399.5 | 396.9 |
| 10°    | 434.1 | 426.3 | 418.2 | 409.0 | 401.5 | 394.7 | 388.6 | 384.5 | 380.7 | 377.2 | 374.7 |
| 12.5°  | 422.0 | 413.0 | 402.9 | 390.3 | 382.1 | 372.3 | 371.4 | 364.2 | 358.4 | 356.2 | 353.2 |
| 15°    | 402.7 | 390.0 | 377.2 | 362.2 | 355.8 | 346.9 | 341.4 | 335.7 | 330.8 | 327.3 | 326.4 |
| 17.5°  | 380.7 | 364.4 | 351.6 | 340.9 | 330.3 | 321.1 | 316.0 | 311.6 | 307.4 | 302.8 | 302.1 |
| 20°    | 363.9 | 349.8 | 336.0 | 326.5 | 315.6 | 306.3 | 300.0 | 295.6 | 292.0 | 289.3 | 286.9 |
| 22.5°  | 348.1 | 332.6 | 319.9 | 309.7 | 298.9 | 291.4 | 286.4 | 282.1 | 279.2 | 276.1 | 273.9 |
| 25°    | 322.6 | 310.6 | 296.7 | 285.0 | 276.1 | 271.3 | 267.3 | 263.6 | 261.7 | 259.7 | 257.1 |
| 27.5°  | 300.4 | 287.0 | 274.0 | 265.0 | 257.1 | 252.9 | 250.0 | 247.4 | 245.7 | 244.5 | 243.0 |
| 30°    | 284.7 | 271.2 | 261.0 | 252.1 | 245.6 | 241.3 | 239.5 | 238.0 | 235.9 | 235.2 | 234.5 |
| 32.5°  | 269.5 | 257.4 | 248.7 | 240.9 | 234.8 | 232.0 | 230.3 | 228.9 | 227.4 | 226.7 | 225.1 |
| 35°    | 248.2 | 238.0 | 229.5 | 225.2 | 220.2 | 217.8 | 216.5 | 214.7 | 213.2 | 212.5 | 212.2 |
| 37.5°  | 228.0 | 219.2 | 213.6 | 208.1 | 206.0 | 204.6 | 202.8 | 201.5 | 201.1 | 201.0 | 200.7 |
| 40°    | 215.0 | 207.8 | 202.8 | 198.4 | 197.5 | 195.2 | 193.7 | 192.7 | 192.7 | 192.8 | 192.7 |
| 42.5°  | 203.2 | 196.7 | 192.2 | 188.4 | 187.4 | 186.1 | 184.5 | 184.5 | 184.7 | 185.4 | 184.7 |
| 45°    | 185.2 | 180.6 | 177.4 | 175.6 | 173.6 | 172.3 | 172.0 | 172.6 | 172.8 | 173.0 | 173.6 |
| 47.5°  | 168.7 | 165.6 | 162.7 | 160.7 | 159.8 | 159.6 | 159.4 | 160.4 | 161.3 | 161.6 | 162.4 |
| 50°    | 158.9 | 155.4 | 153.0 | 151.6 | 150.9 | 150.6 | 150.9 | 152.1 | 152.8 | 153.7 | 154.3 |
| 52.5°  | 148.0 | 145.4 | 143.8 | 142.8 | 142.5 | 142.8 | 142.8 | 144.1 | 145.2 | 145.6 | 145.9 |
| 55°    | 132.8 | 130.9 | 130.6 | 128.9 | 129.6 | 129.5 | 130.4 | 131.1 | 132.2 | 133.4 | 133.5 |
| 57.5°  | 117.6 | 116.2 | 115.2 | 115.4 | 115.6 | 116.4 | 117.2 | 118.5 | 119.6 | 120.8 | 120.9 |
| 60°    | 107.6 | 106.9 | 106.3 | 106.3 | 106.6 | 107.8 | 108.7 | 110.0 | 110.7 | 111.5 | 112.0 |
| 62.5°  | 98.4  | 97.7  | 97.1  | 97.4  | 98.4  | 99.1  | 100.1 | 100.9 | 101.6 | 102.3 | 102.6 |
| 65°    | 83.9  | 83.6  | 84.1  | 84.5  | 84.6  | 85.5  | 86.8  | 87.4  | 88.1  | 88.5  | 89.8  |
| 67.5°  | 70.5  | 70.6  | 70.5  | 71.0  | 72.2  | 72.3  | 73.5  | 74.8  | 75.0  | 75.7  | 76.6  |
| 70°    | 61.5  | 61.9  | 62.2  | 62.6  | 63.5  | 63.9  | 64.8  | 65.4  | 66.1  | 66.7  | 67.3  |
| 72.5°  | 53.2  | 53.2  | 53.6  | 53.6  | 54.4  | 55.1  | 55.9  | 56.5  | 57.2  | 58.0  | 58.5  |
| 75°    | 40.9  | 40.9  | 41.3  | 41.5  | 42.4  | 43.4  | 43.1  | 43.5  | 44.3  | 45.0  | 45.4  |
| 77.5°  | 29.9  | 29.5  | 29.9  | 30.1  | 30.4  | 31.1  | 31.3  | 31.8  | 32.7  | 32.4  | 32.9  |
| 80°    | 22.7  | 22.3  | 22.7  | 23.0  | 23.0  | 23.9  | 23.9  | 24.3  | 24.8  | 24.3  | 24.8  |
| 82.5°  | 16.2  | 16.0  | 16.4  | 16.5  | 16.7  | 16.8  | 17.0  | 17.1  | 17.7  | 17.4  | 17.7  |
| 85°    | 8.2   | 8.0   | 8.2   | 8.0   | 8.2   | 8.3   | 8.3   | 8.2   | 8.2   | 8.5   | 8.0   |
| 87.5°  | 4.4   | 4.6   | 4.7   | 5.1   | 5.2   | 5.4   | 5.5   | 5.6   | 5.8   | 5.7   | 5.9   |
| 90°    | 9.4   | 11.2  | 12.7  | 14.3  | 15.8  | 17.4  | 18.3  | 19.2  | 20.2  | 21.2  | 21.9  |
| 92.5°  | 16.7  | 17.0  | 17.8  | 18.6  | 19.3  | 20.1  | 20.6  | 21.1  | 21.6  | 22.1  | 22.5  |
| 95°    | 30.9  | 28.4  | 29.8  | 31.1  | 32.4  | 33.8  | 34.7  | 35.7  | 36.7  | 37.7  | 38.1  |
| 97.5°  | 40.2  | 32.8  | 35.9  | 39.0  | 42.2  | 45.2  | 46.0  | 46.8  | 47.5  | 48.3  | 48.8  |
| 100°   | 47.9  | 36.3  | 39.5  | 42.9  | 46.1  | 49.4  | 51.0  | 52.5  | 54.1  | 55.6  | 56.5  |
| 102.5° | 176.8 | 160.4 | 133.0 | 105.6 | 78.2  | 50.8  | 52.8  | 54.8  | 56.8  | 58.8  | 60.1  |
| 105°   | 286.6 | 263.2 | 210.6 | 158.0 | 105.4 | 52.8  | 55.0  | 57.1  | 59.2  | 61.3  | 62.8  |
| 107.5° | 355.5 | 326.3 | 263.2 | 200.2 | 137.1 | 74.0  | 71.8  | 69.7  | 67.5  | 65.4  | 64.7  |
| 110°   | 400.1 | 374.3 | 318.6 | 263.0 | 207.3 | 151.6 | 132.4 | 113.2 | 93.9  | 74.6  | 65.4  |



TEST NUMBER: P331276-930

CATALOG NUMBER: SA2XXDIP-C290D1080U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 442.6  | 437.6  | 423.8  | 410.1  | 396.3  | 382.5  | 312.3  | 242.1  | 171.8  | 101.5  | 66.7   |
| 115°   | 511.4  | 515.5  | 520.3  | 525.1  | 529.9  | 534.8  | 445.6  | 356.4  | 267.3  | 178.1  | 126.5  |
| 117.5° | 575.6  | 579.0  | 582.4  | 585.7  | 589.0  | 592.3  | 570.7  | 549.2  | 527.6  | 506.1  | 472.5  |
| 120°   | 618.2  | 621.4  | 624.9  | 628.4  | 631.9  | 635.3  | 637.6  | 639.9  | 642.2  | 644.6  | 632.7  |
| 122.5° | 657.7  | 661.1  | 664.9  | 668.6  | 672.5  | 676.2  | 677.6  | 679.0  | 680.4  | 681.8  | 679.9  |
| 125°   | 714.6  | 717.7  | 721.4  | 725.0  | 728.7  | 732.4  | 733.7  | 735.1  | 736.4  | 737.8  | 738.7  |
| 127.5° | 769.3  | 772.0  | 774.8  | 777.5  | 780.2  | 783.0  | 785.0  | 786.9  | 788.9  | 790.8  | 791.9  |
| 130°   | 804.5  | 807.1  | 809.2  | 811.3  | 813.4  | 815.5  | 817.7  | 819.8  | 821.9  | 824.0  | 825.0  |
| 132.5° | 837.3  | 839.7  | 841.8  | 843.9  | 846.0  | 848.2  | 849.9  | 851.7  | 853.6  | 855.4  | 856.2  |
| 135°   | 884.2  | 886.6  | 888.4  | 890.1  | 891.9  | 893.6  | 895.5  | 897.4  | 899.4  | 901.2  | 902.0  |
| 137.5° | 926.1  | 928.1  | 930.2  | 932.1  | 934.1  | 936.0  | 937.9  | 939.8  | 941.7  | 943.5  | 944.2  |
| 140°   | 953.5  | 955.3  | 957.4  | 959.5  | 961.6  | 963.8  | 965.5  | 967.3  | 969.0  | 970.7  | 971.1  |
| 142.5° | 977.8  | 979.7  | 982.1  | 984.6  | 987.0  | 989.4  | 991.0  | 992.5  | 994.2  | 995.7  | 996.1  |
| 145°   | 1010.6 | 1012.2 | 1015.5 | 1018.7 | 1022.1 | 1025.3 | 1026.6 | 1028.0 | 1029.3 | 1030.7 | 1030.9 |
| 147.5° | 1042.7 | 1043.9 | 1047.2 | 1050.4 | 1053.6 | 1056.9 | 1057.9 | 1058.8 | 1059.9 | 1060.9 | 1060.9 |
| 150°   | 1062.4 | 1063.2 | 1066.3 | 1069.4 | 1072.5 | 1075.5 | 1076.8 | 1077.9 | 1079.0 | 1080.2 | 1080.3 |
| 152.5° | 1080.5 | 1081.2 | 1084.1 | 1087.0 | 1090.0 | 1092.9 | 1094.1 | 1095.2 | 1096.4 | 1097.6 | 1097.5 |
| 155°   | 1106.8 | 1107.1 | 1109.4 | 1111.7 | 1114.0 | 1116.3 | 1117.4 | 1118.6 | 1119.8 | 1121.0 | 1120.7 |
| 157.5° | 1129.2 | 1129.3 | 1130.9 | 1132.5 | 1134.1 | 1135.7 | 1137.0 | 1138.3 | 1139.6 | 1140.9 | 1140.8 |
| 160°   | 1142.9 | 1142.9 | 1144.0 | 1145.2 | 1146.4 | 1147.5 | 1148.7 | 1149.8 | 1151.0 | 1152.1 | 1152.0 |
| 162.5° | 1154.0 | 1153.9 | 1154.9 | 1155.9 | 1156.9 | 1157.9 | 1159.2 | 1160.5 | 1161.8 | 1163.2 | 1162.9 |
| 165°   | 1168.9 | 1168.6 | 1169.1 | 1169.8 | 1170.4 | 1170.9 | 1172.2 | 1173.6 | 1174.9 | 1176.3 | 1176.3 |
| 167.5° | 1180.0 | 1179.7 | 1180.2 | 1180.7 | 1181.3 | 1181.9 | 1183.2 | 1184.5 | 1185.9 | 1187.2 | 1187.0 |
| 170°   | 1186.3 | 1185.9 | 1186.3 | 1186.6 | 1187.0 | 1187.4 | 1188.7 | 1190.1 | 1191.4 | 1192.8 | 1192.5 |
| 172.5° | 1190.4 | 1190.0 | 1190.4 | 1190.7 | 1191.2 | 1191.6 | 1192.9 | 1194.3 | 1195.6 | 1196.9 | 1196.8 |
| 175°   | 1195.0 | 1194.5 | 1194.9 | 1195.3 | 1195.6 | 1196.0 | 1197.4 | 1198.7 | 1200.1 | 1201.4 | 1201.2 |
| 177.5° | 1196.9 | 1196.5 | 1196.6 | 1196.8 | 1196.9 | 1197.1 | 1198.2 | 1199.2 | 1200.3 | 1201.4 | 1201.3 |
| 180°   | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 |



TEST NUMBER: P331276-930

CATALOG NUMBER: SA2XXDIP-C290D1080U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 |
| 2.5°   | 462.2 | 461.9 | 461.9 | 460.6 | 461.9 | 461.9 | 462.2 | 463.7 | 464.1 | 464.4 | 463.8 |
| 5°     | 428.8 | 428.2 | 427.3 | 428.2 | 427.3 | 428.2 | 428.8 | 431.4 | 432.7 | 433.9 | 435.0 |
| 7.5°   | 395.7 | 393.5 | 393.1 | 390.9 | 393.1 | 393.5 | 395.7 | 396.9 | 399.5 | 402.4 | 405.1 |
| 10°    | 371.5 | 370.1 | 369.8 | 366.3 | 369.8 | 370.1 | 371.5 | 374.7 | 377.2 | 380.7 | 384.5 |
| 12.5°  | 353.2 | 349.6 | 350.3 | 348.3 | 350.3 | 349.6 | 353.2 | 353.2 | 356.2 | 358.4 | 364.2 |
| 15°    | 321.3 | 321.3 | 320.6 | 317.5 | 320.6 | 321.3 | 321.3 | 326.4 | 327.3 | 330.8 | 335.7 |
| 17.5°  | 298.5 | 298.1 | 296.4 | 297.3 | 296.4 | 298.1 | 298.5 | 302.1 | 302.8 | 307.4 | 311.6 |
| 20°    | 284.9 | 283.7 | 281.5 | 281.5 | 281.5 | 283.7 | 284.9 | 286.9 | 289.3 | 292.0 | 295.6 |
| 22.5°  | 272.0 | 271.9 | 269.5 | 270.3 | 269.5 | 271.9 | 272.0 | 273.9 | 276.1 | 279.2 | 282.1 |
| 25°    | 256.9 | 255.4 | 254.3 | 254.9 | 254.3 | 255.4 | 256.9 | 257.1 | 259.7 | 261.7 | 263.6 |
| 27.5°  | 242.6 | 241.7 | 241.7 | 240.2 | 241.7 | 241.7 | 242.6 | 243.0 | 244.5 | 245.7 | 247.4 |
| 30°    | 234.3 | 232.4 | 232.8 | 231.9 | 232.8 | 232.4 | 234.3 | 234.5 | 235.2 | 235.9 | 238.0 |
| 32.5°  | 224.8 | 224.1 | 223.8 | 223.0 | 223.8 | 224.1 | 224.8 | 225.1 | 226.7 | 227.4 | 228.9 |
| 35°    | 211.9 | 212.1 | 211.2 | 211.5 | 211.2 | 212.1 | 211.9 | 212.2 | 212.5 | 213.2 | 214.7 |
| 37.5°  | 200.6 | 201.1 | 200.7 | 200.8 | 200.7 | 201.1 | 200.6 | 200.7 | 201.0 | 201.1 | 201.5 |
| 40°    | 193.1 | 193.1 | 193.1 | 193.7 | 193.1 | 193.1 | 193.1 | 192.7 | 192.8 | 192.7 | 192.7 |
| 42.5°  | 186.1 | 185.7 | 185.5 | 185.4 | 185.5 | 185.7 | 186.1 | 184.7 | 185.4 | 184.7 | 184.5 |
| 45°    | 173.9 | 174.5 | 174.6 | 173.7 | 174.6 | 174.5 | 173.9 | 173.6 | 173.0 | 172.8 | 172.6 |
| 47.5°  | 162.9 | 163.0 | 162.9 | 163.7 | 162.9 | 163.0 | 162.9 | 162.4 | 161.6 | 161.3 | 160.4 |
| 50°    | 155.2 | 154.8 | 155.2 | 154.8 | 155.2 | 154.8 | 155.2 | 154.3 | 153.7 | 152.8 | 152.1 |
| 52.5°  | 147.1 | 147.2 | 146.9 | 146.8 | 146.9 | 147.2 | 147.1 | 145.9 | 145.6 | 145.2 | 144.1 |
| 55°    | 134.3 | 134.6 | 134.4 | 134.4 | 134.4 | 134.6 | 134.3 | 133.5 | 133.4 | 132.2 | 131.1 |
| 57.5°  | 121.1 | 121.4 | 121.6 | 120.8 | 121.6 | 121.4 | 121.1 | 120.9 | 120.8 | 119.6 | 118.5 |
| 60°    | 111.9 | 112.8 | 112.6 | 112.3 | 112.6 | 112.8 | 111.9 | 112.0 | 111.5 | 110.7 | 110.0 |
| 62.5°  | 103.4 | 103.8 | 103.7 | 103.6 | 103.7 | 103.8 | 103.4 | 102.6 | 102.3 | 101.6 | 100.9 |
| 65°    | 90.4  | 90.7  | 90.2  | 90.7  | 90.2  | 90.7  | 90.4  | 89.8  | 88.5  | 88.1  | 87.4  |
| 67.5°  | 76.3  | 76.5  | 76.9  | 77.1  | 76.9  | 76.5  | 76.3  | 76.6  | 75.7  | 75.0  | 74.8  |
| 70°    | 67.6  | 67.4  | 68.0  | 68.6  | 68.0  | 67.4  | 67.6  | 67.3  | 66.7  | 66.1  | 65.4  |
| 72.5°  | 58.4  | 58.8  | 58.6  | 59.0  | 58.6  | 58.8  | 58.4  | 58.5  | 58.0  | 57.2  | 56.5  |
| 75°    | 45.0  | 45.6  | 45.4  | 45.9  | 45.4  | 45.6  | 45.0  | 45.4  | 45.0  | 44.3  | 43.5  |
| 77.5°  | 32.5  | 32.6  | 32.5  | 32.9  | 32.5  | 32.6  | 32.5  | 32.9  | 32.4  | 32.7  | 31.8  |
| 80°    | 24.8  | 24.5  | 24.1  | 24.8  | 24.1  | 24.5  | 24.8  | 24.8  | 24.3  | 24.8  | 24.3  |
| 82.5°  | 17.3  | 17.4  | 17.1  | 17.1  | 17.1  | 17.4  | 17.3  | 17.7  | 17.4  | 17.7  | 17.1  |
| 85°    | 8.0   | 7.7   | 7.4   | 7.4   | 7.4   | 7.7   | 8.0   | 8.0   | 8.5   | 8.2   | 8.2   |
| 87.5°  | 6.0   | 5.9   | 6.0   | 5.9   | 6.0   | 5.9   | 6.0   | 5.9   | 5.7   | 5.8   | 5.6   |
| 90°    | 22.3  | 22.7  | 23.0  | 23.4  | 23.0  | 22.7  | 22.3  | 21.9  | 21.2  | 20.2  | 19.2  |
| 92.5°  | 22.7  | 22.9  | 23.2  | 23.4  | 23.2  | 22.9  | 22.7  | 22.5  | 22.1  | 21.6  | 21.1  |
| 95°    | 37.8  | 37.7  | 37.4  | 37.3  | 37.4  | 37.7  | 37.8  | 38.1  | 37.7  | 36.7  | 35.7  |
| 97.5°  | 49.1  | 49.3  | 49.5  | 49.7  | 49.5  | 49.3  | 49.1  | 48.8  | 48.3  | 47.5  | 46.8  |
| 100°   | 56.9  | 57.3  | 57.7  | 58.0  | 57.7  | 57.3  | 56.9  | 56.5  | 55.6  | 54.1  | 52.5  |
| 102.5° | 60.6  | 61.1  | 61.7  | 62.2  | 61.7  | 61.1  | 60.6  | 60.1  | 58.8  | 56.8  | 54.8  |
| 105°   | 63.6  | 64.3  | 65.1  | 65.9  | 65.1  | 64.3  | 63.6  | 62.8  | 61.3  | 59.2  | 57.1  |
| 107.5° | 65.5  | 66.2  | 67.0  | 67.8  | 67.0  | 66.2  | 65.5  | 64.7  | 65.4  | 67.5  | 69.7  |
| 110°   | 66.1  | 66.9  | 67.7  | 68.5  | 67.7  | 66.9  | 66.1  | 65.4  | 74.6  | 93.9  | 113.2 |



TEST NUMBER: P331276-930

CATALOG NUMBER: SA2XXDIP-C290D1080U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 67.3   | 67.9   | 68.6   | 69.1   | 68.6   | 67.9   | 67.3   | 66.7   | 101.5  | 171.8  | 242.1  |
| 115°   | 112.7  | 98.8   | 85.0   | 71.1   | 85.0   | 98.8   | 112.7  | 126.5  | 178.1  | 267.3  | 356.4  |
| 117.5° | 426.9  | 381.3  | 335.7  | 290.2  | 335.7  | 381.3  | 426.9  | 472.5  | 506.1  | 527.6  | 549.2  |
| 120°   | 606.7  | 580.7  | 554.6  | 528.7  | 554.6  | 580.7  | 606.7  | 632.7  | 644.6  | 642.2  | 639.9  |
| 122.5° | 674.9  | 669.8  | 664.8  | 659.7  | 664.8  | 669.8  | 674.9  | 679.9  | 681.8  | 680.4  | 679.0  |
| 125°   | 739.3  | 739.9  | 740.5  | 741.0  | 740.5  | 739.9  | 739.3  | 738.7  | 737.8  | 736.4  | 735.1  |
| 127.5° | 792.0  | 792.1  | 792.2  | 792.3  | 792.2  | 792.1  | 792.0  | 791.9  | 790.8  | 788.9  | 786.9  |
| 130°   | 824.8  | 824.6  | 824.4  | 824.3  | 824.4  | 824.6  | 824.8  | 825.0  | 824.0  | 821.9  | 819.8  |
| 132.5° | 856.0  | 855.8  | 855.7  | 855.4  | 855.7  | 855.8  | 856.0  | 856.2  | 855.4  | 853.6  | 851.7  |
| 135°   | 901.6  | 901.2  | 900.9  | 900.5  | 900.9  | 901.2  | 901.6  | 902.0  | 901.2  | 899.4  | 897.4  |
| 137.5° | 943.5  | 942.9  | 942.2  | 941.6  | 942.2  | 942.9  | 943.5  | 944.2  | 943.5  | 941.7  | 939.8  |
| 140°   | 970.1  | 969.1  | 968.2  | 967.3  | 968.2  | 969.1  | 970.1  | 971.1  | 970.7  | 969.0  | 967.3  |
| 142.5° | 995.1  | 994.1  | 993.2  | 992.2  | 993.2  | 994.1  | 995.1  | 996.1  | 995.7  | 994.2  | 992.5  |
| 145°   | 1030.0 | 1029.0 | 1028.0 | 1027.0 | 1028.0 | 1029.0 | 1030.0 | 1030.9 | 1030.7 | 1029.3 | 1028.0 |
| 147.5° | 1060.1 | 1059.3 | 1058.5 | 1057.7 | 1058.5 | 1059.3 | 1060.1 | 1060.9 | 1060.9 | 1059.9 | 1058.8 |
| 150°   | 1079.3 | 1078.4 | 1077.4 | 1076.4 | 1077.4 | 1078.4 | 1079.3 | 1080.3 | 1080.2 | 1079.0 | 1077.9 |
| 152.5° | 1096.2 | 1094.9 | 1093.6 | 1092.4 | 1093.6 | 1094.9 | 1096.2 | 1097.5 | 1097.6 | 1096.4 | 1095.2 |
| 155°   | 1119.2 | 1117.7 | 1116.1 | 1114.6 | 1116.1 | 1117.7 | 1119.2 | 1120.7 | 1121.0 | 1119.8 | 1118.6 |
| 157.5° | 1139.4 | 1137.8 | 1136.4 | 1134.8 | 1136.4 | 1137.8 | 1139.4 | 1140.8 | 1140.9 | 1139.6 | 1138.3 |
| 160°   | 1150.7 | 1149.3 | 1148.0 | 1146.6 | 1148.0 | 1149.3 | 1150.7 | 1152.0 | 1152.1 | 1151.0 | 1149.8 |
| 162.5° | 1161.3 | 1159.7 | 1158.0 | 1156.3 | 1158.0 | 1159.7 | 1161.3 | 1162.9 | 1163.2 | 1161.8 | 1160.5 |
| 165°   | 1174.9 | 1173.6 | 1172.2 | 1170.9 | 1172.2 | 1173.6 | 1174.9 | 1176.3 | 1176.3 | 1174.9 | 1173.6 |
| 167.5° | 1185.3 | 1183.6 | 1181.9 | 1180.1 | 1181.9 | 1183.6 | 1185.3 | 1187.0 | 1187.2 | 1185.9 | 1184.5 |
| 170°   | 1190.8 | 1189.1 | 1187.4 | 1185.6 | 1187.4 | 1189.1 | 1190.8 | 1192.5 | 1192.8 | 1191.4 | 1190.1 |
| 172.5° | 1195.0 | 1193.3 | 1191.6 | 1189.8 | 1191.6 | 1193.3 | 1195.0 | 1196.8 | 1196.9 | 1195.6 | 1194.3 |
| 175°   | 1199.2 | 1197.3 | 1195.4 | 1193.4 | 1195.4 | 1197.3 | 1199.2 | 1201.2 | 1201.4 | 1200.1 | 1198.7 |
| 177.5° | 1199.9 | 1198.5 | 1197.1 | 1195.7 | 1197.1 | 1198.5 | 1199.9 | 1201.3 | 1201.4 | 1200.3 | 1199.2 |
| 180°   | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 |



TEST NUMBER: P331276-930  
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**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 |
| 2.5°   | 463.1 | 464.7 | 467.2 | 469.9 | 471.6 | 474.7 | 475.6 | 477.0 | 478.3 | 481.4 | 484.7 |
| 5°     | 436.3 | 439.0 | 445.1 | 448.4 | 453.0 | 458.4 | 461.9 | 465.6 | 469.7 | 476.7 | 483.2 |
| 7.5°   | 407.6 | 412.0 | 419.6 | 425.8 | 432.4 | 440.1 | 445.6 | 453.0 | 459.1 | 469.0 | 478.5 |
| 10°    | 388.6 | 394.7 | 401.5 | 409.0 | 418.2 | 426.3 | 434.1 | 443.4 | 450.8 | 462.7 | 473.8 |
| 12.5°  | 371.4 | 372.3 | 382.1 | 390.3 | 402.9 | 413.0 | 422.0 | 433.9 | 441.2 | 455.3 | 466.9 |
| 15°    | 341.4 | 346.9 | 355.8 | 362.2 | 377.2 | 390.0 | 402.7 | 415.1 | 423.4 | 440.8 | 456.2 |
| 17.5°  | 316.0 | 321.1 | 330.3 | 340.9 | 351.6 | 364.4 | 380.7 | 393.8 | 405.1 | 425.0 | 443.2 |
| 20°    | 300.0 | 306.3 | 315.6 | 326.5 | 336.0 | 349.8 | 363.9 | 379.0 | 391.2 | 413.6 | 434.9 |
| 22.5°  | 286.4 | 291.4 | 298.9 | 309.7 | 319.9 | 332.6 | 348.1 | 364.4 | 377.2 | 401.5 | 423.0 |
| 25°    | 267.3 | 271.3 | 276.1 | 285.0 | 296.7 | 310.6 | 322.6 | 340.6 | 359.3 | 381.9 | 408.0 |
| 27.5°  | 250.0 | 252.9 | 257.1 | 265.0 | 274.0 | 287.0 | 300.4 | 317.4 | 336.2 | 360.8 | 388.3 |
| 30°    | 239.5 | 241.3 | 245.6 | 252.1 | 261.0 | 271.2 | 284.7 | 300.9 | 320.2 | 345.0 | 372.4 |
| 32.5°  | 230.3 | 232.0 | 234.8 | 240.9 | 248.7 | 257.4 | 269.5 | 285.8 | 304.2 | 328.6 | 359.0 |
| 35°    | 216.5 | 217.8 | 220.2 | 225.2 | 229.5 | 238.0 | 248.2 | 263.0 | 280.2 | 303.5 | 335.0 |
| 37.5°  | 202.8 | 204.6 | 206.0 | 208.1 | 213.6 | 219.2 | 228.0 | 240.6 | 257.5 | 281.0 | 311.0 |
| 40°    | 193.7 | 195.2 | 197.5 | 198.4 | 202.8 | 207.8 | 215.0 | 226.5 | 243.5 | 265.1 | 294.3 |
| 42.5°  | 184.5 | 186.1 | 187.4 | 188.4 | 192.2 | 196.7 | 203.2 | 213.0 | 228.1 | 249.0 | 278.0 |
| 45°    | 172.0 | 172.3 | 173.6 | 175.6 | 177.4 | 180.6 | 185.2 | 193.7 | 205.4 | 225.0 | 251.4 |
| 47.5°  | 159.4 | 159.6 | 159.8 | 160.7 | 162.7 | 165.6 | 168.7 | 175.6 | 186.1 | 201.7 | 227.3 |
| 50°    | 150.9 | 150.6 | 150.9 | 151.6 | 153.0 | 155.4 | 158.9 | 163.9 | 172.4 | 187.0 | 210.6 |
| 52.5°  | 142.8 | 142.8 | 142.5 | 142.8 | 143.8 | 145.4 | 148.0 | 152.2 | 159.8 | 173.3 | 194.0 |
| 55°    | 130.4 | 129.5 | 129.6 | 128.9 | 130.6 | 130.9 | 132.8 | 136.3 | 143.0 | 152.2 | 171.7 |
| 57.5°  | 117.2 | 116.4 | 115.6 | 115.4 | 115.2 | 116.2 | 117.6 | 120.4 | 125.6 | 133.7 | 149.4 |
| 60°    | 108.7 | 107.8 | 106.6 | 106.3 | 106.3 | 106.9 | 107.6 | 109.7 | 114.5 | 121.6 | 134.6 |
| 62.5°  | 100.1 | 99.1  | 98.4  | 97.4  | 97.1  | 97.7  | 98.4  | 99.9  | 103.4 | 110.1 | 121.3 |
| 65°    | 86.8  | 85.5  | 84.6  | 84.5  | 84.1  | 83.6  | 83.9  | 85.4  | 88.1  | 93.5  | 102.4 |
| 67.5°  | 73.5  | 72.3  | 72.2  | 71.0  | 70.5  | 70.6  | 70.5  | 71.7  | 73.5  | 78.1  | 84.7  |
| 70°    | 64.8  | 63.9  | 63.5  | 62.6  | 62.2  | 61.9  | 61.5  | 62.6  | 64.2  | 68.2  | 73.9  |
| 72.5°  | 55.9  | 55.1  | 54.4  | 53.6  | 53.6  | 53.2  | 53.2  | 53.9  | 55.2  | 58.8  | 63.3  |
| 75°    | 43.1  | 43.4  | 42.4  | 41.5  | 41.3  | 40.9  | 40.9  | 41.5  | 42.1  | 44.8  | 48.3  |
| 77.5°  | 31.3  | 31.1  | 30.4  | 30.1  | 29.9  | 29.5  | 29.9  | 30.2  | 30.6  | 32.4  | 35.0  |
| 80°    | 23.9  | 23.9  | 23.0  | 23.0  | 22.7  | 22.3  | 22.7  | 22.4  | 23.2  | 25.0  | 26.8  |
| 82.5°  | 17.0  | 16.8  | 16.7  | 16.5  | 16.4  | 16.0  | 16.2  | 16.6  | 17.0  | 18.2  | 19.3  |
| 85°    | 8.3   | 8.3   | 8.2   | 8.0   | 8.2   | 8.0   | 8.2   | 8.3   | 8.5   | 9.0   | 10.0  |
| 87.5°  | 5.5   | 5.4   | 5.2   | 5.1   | 4.7   | 4.6   | 4.4   | 4.1   | 4.0   | 3.7   | 3.4   |
| 90°    | 18.3  | 17.4  | 15.8  | 14.3  | 12.7  | 11.2  | 9.4   | 7.3   | 5.1   | 3.0   | 0.9   |
| 92.5°  | 20.6  | 20.1  | 19.3  | 18.6  | 17.8  | 17.0  | 16.7  | 17.0  | 17.1  | 17.3  | 17.5  |
| 95°    | 34.7  | 33.8  | 32.4  | 31.1  | 29.8  | 28.4  | 30.9  | 37.3  | 43.6  | 50.0  | 56.3  |
| 97.5°  | 46.0  | 45.2  | 42.2  | 39.0  | 35.9  | 32.8  | 40.2  | 58.0  | 76.0  | 93.9  | 111.8 |
| 100°   | 51.0  | 49.4  | 46.1  | 42.9  | 39.5  | 36.3  | 47.9  | 74.3  | 100.6 | 127.0 | 153.4 |
| 102.5° | 52.8  | 50.8  | 78.2  | 105.6 | 133.0 | 160.4 | 176.8 | 182.4 | 188.0 | 193.6 | 199.2 |
| 105°   | 55.0  | 52.8  | 105.4 | 158.0 | 210.6 | 263.2 | 286.6 | 280.8 | 275.0 | 269.3 | 263.5 |
| 107.5° | 71.8  | 74.0  | 137.1 | 200.2 | 263.2 | 326.3 | 355.5 | 350.7 | 346.1 | 341.4 | 336.8 |
| 110°   | 132.4 | 151.6 | 207.3 | 263.0 | 318.6 | 374.3 | 400.1 | 396.1 | 392.1 | 388.0 | 383.9 |



TEST NUMBER: P331276-930

CATALOG NUMBER: SA2XXDIP-C290D1080U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 312.3  | 382.5  | 396.3  | 410.1  | 423.8  | 437.6  | 442.6  | 439.0  | 435.5  | 431.9  | 428.4  |
| 115°   | 445.6  | 534.8  | 529.9  | 525.1  | 520.3  | 515.5  | 511.4  | 508.2  | 504.9  | 501.7  | 498.4  |
| 117.5° | 570.7  | 592.3  | 589.0  | 585.7  | 582.4  | 579.0  | 575.6  | 571.9  | 568.3  | 564.6  | 560.9  |
| 120°   | 637.6  | 635.3  | 631.9  | 628.4  | 624.9  | 621.4  | 618.2  | 615.4  | 612.5  | 609.6  | 606.7  |
| 122.5° | 677.6  | 676.2  | 672.5  | 668.6  | 664.9  | 661.1  | 657.7  | 654.7  | 651.6  | 648.6  | 645.6  |
| 125°   | 733.7  | 732.4  | 728.7  | 725.0  | 721.4  | 717.7  | 714.6  | 712.2  | 709.6  | 707.1  | 704.7  |
| 127.5° | 785.0  | 783.0  | 780.2  | 777.5  | 774.8  | 772.0  | 769.3  | 766.5  | 763.8  | 761.0  | 758.2  |
| 130°   | 817.7  | 815.5  | 813.4  | 811.3  | 809.2  | 807.1  | 804.5  | 801.4  | 798.3  | 795.2  | 792.1  |
| 132.5° | 849.9  | 848.2  | 846.0  | 843.9  | 841.8  | 839.7  | 837.3  | 834.7  | 832.1  | 829.5  | 826.8  |
| 135°   | 895.5  | 893.6  | 891.9  | 890.1  | 888.4  | 886.6  | 884.2  | 881.2  | 878.1  | 875.0  | 871.9  |
| 137.5° | 937.9  | 936.0  | 934.1  | 932.1  | 930.2  | 928.1  | 926.1  | 924.0  | 921.8  | 919.7  | 917.5  |
| 140°   | 965.5  | 963.8  | 961.6  | 959.5  | 957.4  | 955.3  | 953.5  | 951.9  | 950.4  | 948.8  | 947.3  |
| 142.5° | 991.0  | 989.4  | 987.0  | 984.6  | 982.1  | 979.7  | 977.8  | 976.4  | 975.0  | 973.6  | 972.2  |
| 145°   | 1026.6 | 1025.3 | 1022.1 | 1018.7 | 1015.5 | 1012.2 | 1010.6 | 1010.9 | 1011.1 | 1011.2 | 1011.5 |
| 147.5° | 1057.9 | 1056.9 | 1053.6 | 1050.4 | 1047.2 | 1043.9 | 1042.7 | 1043.4 | 1044.2 | 1044.9 | 1045.6 |
| 150°   | 1076.8 | 1075.5 | 1072.5 | 1069.4 | 1066.3 | 1063.2 | 1062.4 | 1063.7 | 1065.1 | 1066.4 | 1067.8 |
| 152.5° | 1094.1 | 1092.9 | 1090.0 | 1087.0 | 1084.1 | 1081.2 | 1080.5 | 1082.0 | 1083.5 | 1085.0 | 1086.5 |
| 155°   | 1117.4 | 1116.3 | 1114.0 | 1111.7 | 1109.4 | 1107.1 | 1106.8 | 1108.5 | 1110.3 | 1112.0 | 1113.7 |
| 157.5° | 1137.0 | 1135.7 | 1134.1 | 1132.5 | 1130.9 | 1129.3 | 1129.2 | 1130.7 | 1132.1 | 1133.6 | 1135.1 |
| 160°   | 1148.7 | 1147.5 | 1146.4 | 1145.2 | 1144.0 | 1142.9 | 1142.9 | 1144.0 | 1145.2 | 1146.4 | 1147.5 |
| 162.5° | 1159.2 | 1157.9 | 1156.9 | 1155.9 | 1154.9 | 1153.9 | 1154.0 | 1155.1 | 1156.3 | 1157.5 | 1158.6 |
| 165°   | 1172.2 | 1170.9 | 1170.4 | 1169.8 | 1169.1 | 1168.6 | 1168.9 | 1170.0 | 1171.2 | 1172.3 | 1173.5 |
| 167.5° | 1183.2 | 1181.9 | 1181.3 | 1180.7 | 1180.2 | 1179.7 | 1180.0 | 1181.1 | 1182.3 | 1183.5 | 1184.6 |
| 170°   | 1188.7 | 1187.4 | 1187.0 | 1186.6 | 1186.3 | 1185.9 | 1186.3 | 1187.4 | 1188.5 | 1189.7 | 1190.8 |
| 172.5° | 1192.9 | 1191.6 | 1191.2 | 1190.7 | 1190.4 | 1190.0 | 1190.4 | 1191.6 | 1192.7 | 1193.8 | 1195.0 |
| 175°   | 1197.4 | 1196.0 | 1195.6 | 1195.3 | 1194.9 | 1194.5 | 1195.0 | 1196.4 | 1197.7 | 1199.1 | 1200.4 |
| 177.5° | 1198.2 | 1197.1 | 1196.9 | 1196.8 | 1196.6 | 1196.5 | 1196.9 | 1198.0 | 1199.1 | 1200.2 | 1201.3 |
| 180°   | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 |



TEST NUMBER: P331276-930

CATALOG NUMBER: SA2XXDIP-C290D1080U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 |
| 2.5°   | 484.5 | 485.2 | 487.5 | 489.9 | 492.6 | 493.3 | 494.5 | 493.5 | 493.2 | 495.9 | 498.1 |
| 5°     | 485.8 | 489.1 | 495.6 | 501.6 | 506.5 | 510.1 | 513.8 | 515.3 | 518.0 | 521.9 | 526.8 |
| 7.5°   | 484.2 | 490.7 | 500.9 | 509.6 | 518.9 | 525.7 | 531.0 | 535.6 | 541.0 | 548.4 | 556.4 |
| 10°    | 482.5 | 491.1 | 503.6 | 514.1 | 525.6 | 534.3 | 541.5 | 548.6 | 556.8 | 567.0 | 577.5 |
| 12.5°  | 479.2 | 489.5 | 505.1 | 517.6 | 532.3 | 540.9 | 550.6 | 565.7 | 574.5 | 588.7 | 603.6 |
| 15°    | 472.6 | 484.1 | 505.8 | 521.1 | 537.9 | 554.2 | 572.1 | 586.5 | 601.0 | 609.4 | 630.2 |
| 17.5°  | 462.9 | 479.7 | 503.8 | 521.7 | 542.9 | 568.5 | 588.7 | 605.1 | 621.7 | 635.3 | 645.8 |
| 20°    | 455.0 | 473.4 | 500.8 | 522.3 | 547.5 | 575.0 | 598.2 | 614.9 | 629.3 | 640.7 | 647.1 |
| 22.5°  | 445.2 | 468.2 | 494.9 | 520.1 | 552.2 | 579.5 | 603.8 | 616.9 | 629.0 | 634.5 | 637.1 |
| 25°    | 429.5 | 457.3 | 487.5 | 518.2 | 554.5 | 583.4 | 605.6 | 613.6 | 617.1 | 611.7 | 602.8 |
| 27.5°  | 412.6 | 443.6 | 478.9 | 514.7 | 553.1 | 580.9 | 596.8 | 595.6 | 589.6 | 572.2 | 558.3 |
| 30°    | 400.1 | 434.1 | 472.1 | 511.2 | 549.7 | 576.7 | 586.0 | 576.7 | 563.2 | 543.8 | 523.9 |
| 32.5°  | 386.9 | 422.2 | 464.8 | 506.1 | 543.5 | 567.3 | 569.2 | 553.3 | 532.4 | 510.3 | 485.6 |
| 35°    | 366.9 | 405.0 | 451.2 | 494.9 | 530.3 | 545.3 | 536.4 | 508.2 | 483.4 | 453.2 | 419.5 |
| 37.5°  | 344.3 | 386.5 | 432.7 | 478.4 | 510.5 | 514.4 | 492.3 | 462.7 | 427.6 | 392.2 | 352.5 |
| 40°    | 327.4 | 372.1 | 419.7 | 465.8 | 494.2 | 490.1 | 461.9 | 429.3 | 387.7 | 344.3 | 307.4 |
| 42.5°  | 312.3 | 356.9 | 405.4 | 450.7 | 473.4 | 462.2 | 429.3 | 389.3 | 344.5 | 303.7 | 269.9 |
| 45°    | 286.2 | 332.1 | 381.7 | 425.4 | 438.4 | 418.2 | 374.7 | 330.2 | 286.2 | 252.1 | 225.4 |
| 47.5°  | 260.7 | 306.1 | 355.3 | 393.7 | 398.3 | 371.1 | 323.6 | 277.9 | 239.9 | 212.2 | 193.4 |
| 50°    | 242.1 | 287.6 | 336.3 | 370.6 | 369.1 | 336.3 | 287.5 | 243.9 | 212.2 | 189.8 | 177.2 |
| 52.5°  | 225.3 | 268.4 | 315.1 | 346.3 | 338.4 | 302.7 | 256.0 | 217.4 | 191.4 | 173.8 | 162.4 |
| 55°    | 199.3 | 239.1 | 283.6 | 308.6 | 294.1 | 254.5 | 215.0 | 183.9 | 164.6 | 151.5 | 142.6 |
| 57.5°  | 173.4 | 210.8 | 248.8 | 264.2 | 248.3 | 211.7 | 178.8 | 156.2 | 141.7 | 132.0 | 126.2 |
| 60°    | 157.4 | 190.0 | 223.9 | 237.3 | 218.2 | 185.6 | 159.6 | 139.5 | 127.8 | 119.8 | 114.6 |
| 62.5°  | 141.5 | 170.6 | 202.6 | 209.9 | 192.4 | 164.9 | 141.9 | 125.1 | 115.5 | 108.4 | 103.5 |
| 65°    | 119.6 | 143.6 | 167.8 | 172.6 | 156.5 | 135.2 | 117.1 | 106.2 | 97.6  | 92.5  | 88.5  |
| 67.5°  | 98.2  | 117.3 | 134.5 | 138.4 | 124.3 | 109.5 | 96.4  | 86.8  | 81.1  | 76.8  | 73.5  |
| 70°    | 85.4  | 100.6 | 114.6 | 117.8 | 106.5 | 93.4  | 83.3  | 75.7  | 70.5  | 66.9  | 63.7  |
| 72.5°  | 71.9  | 84.5  | 96.3  | 98.4  | 89.2  | 79.1  | 70.9  | 64.9  | 60.3  | 58.0  | 55.0  |
| 75°    | 55.0  | 62.5  | 71.5  | 72.1  | 66.0  | 59.8  | 53.6  | 49.7  | 47.2  | 44.3  | 42.8  |
| 77.5°  | 38.8  | 44.6  | 49.8  | 50.8  | 47.2  | 43.0  | 39.5  | 36.4  | 34.4  | 33.0  | 31.6  |
| 80°    | 29.6  | 34.2  | 36.5  | 37.7  | 35.2  | 32.2  | 30.2  | 28.1  | 26.8  | 25.9  | 25.0  |
| 82.5°  | 21.2  | 24.1  | 26.1  | 27.1  | 25.7  | 23.9  | 21.9  | 20.7  | 19.7  | 19.0  | 18.7  |
| 85°    | 10.8  | 12.1  | 13.4  | 13.7  | 13.4  | 12.6  | 11.5  | 11.5  | 10.9  | 10.8  | 10.8  |
| 87.5°  | 4.3   | 5.3   | 5.7   | 6.6   | 6.7   | 7.0   | 7.3   | 7.4   | 7.6   | 7.7   | 7.7   |
| 90°    | 3.0   | 5.1   | 7.3   | 9.4   | 11.2  | 12.7  | 14.3  | 15.8  | 17.4  | 18.3  | 19.2  |
| 92.5°  | 17.3  | 17.1  | 17.0  | 16.7  | 17.0  | 17.8  | 18.6  | 19.3  | 20.1  | 20.6  | 21.1  |
| 95°    | 50.0  | 43.6  | 37.3  | 30.9  | 28.4  | 29.8  | 31.1  | 32.4  | 33.8  | 34.7  | 35.7  |
| 97.5°  | 93.9  | 76.0  | 58.0  | 40.2  | 32.8  | 35.9  | 39.0  | 42.2  | 45.2  | 46.0  | 46.8  |
| 100°   | 127.0 | 100.6 | 74.3  | 47.9  | 36.3  | 39.5  | 42.9  | 46.1  | 49.4  | 51.0  | 52.5  |
| 102.5° | 193.6 | 188.0 | 182.4 | 176.8 | 160.4 | 133.0 | 105.6 | 78.2  | 50.8  | 52.8  | 54.8  |
| 105°   | 269.3 | 275.0 | 280.8 | 286.6 | 263.2 | 210.6 | 158.0 | 105.4 | 52.8  | 55.0  | 57.1  |
| 107.5° | 341.4 | 346.1 | 350.7 | 355.5 | 326.3 | 263.2 | 200.2 | 137.1 | 74.0  | 71.8  | 69.7  |
| 110°   | 388.0 | 392.1 | 396.1 | 400.1 | 374.3 | 318.6 | 263.0 | 207.3 | 151.6 | 132.4 | 113.2 |





TEST NUMBER: P331276-930

CATALOG NUMBER: SA2XXDIP-C290D1080U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 431.9  | 435.5  | 439.0  | 442.6  | 437.6  | 423.8  | 410.1  | 396.3  | 382.5  | 312.3  | 242.1  |
| 115°   | 501.7  | 504.9  | 508.2  | 511.4  | 515.5  | 520.3  | 525.1  | 529.9  | 534.8  | 445.6  | 356.4  |
| 117.5° | 564.6  | 568.3  | 571.9  | 575.6  | 579.0  | 582.4  | 585.7  | 589.0  | 592.3  | 570.7  | 549.2  |
| 120°   | 609.6  | 612.5  | 615.4  | 618.2  | 621.4  | 624.9  | 628.4  | 631.9  | 635.3  | 637.6  | 639.9  |
| 122.5° | 648.6  | 651.6  | 654.7  | 657.7  | 661.1  | 664.9  | 668.6  | 672.5  | 676.2  | 677.6  | 679.0  |
| 125°   | 707.1  | 709.6  | 712.2  | 714.6  | 717.7  | 721.4  | 725.0  | 728.7  | 732.4  | 733.7  | 735.1  |
| 127.5° | 761.0  | 763.8  | 766.5  | 769.3  | 772.0  | 774.8  | 777.5  | 780.2  | 783.0  | 785.0  | 786.9  |
| 130°   | 795.2  | 798.3  | 801.4  | 804.5  | 807.1  | 809.2  | 811.3  | 813.4  | 815.5  | 817.7  | 819.8  |
| 132.5° | 829.5  | 832.1  | 834.7  | 837.3  | 839.7  | 841.8  | 843.9  | 846.0  | 848.2  | 849.9  | 851.7  |
| 135°   | 875.0  | 878.1  | 881.2  | 884.2  | 886.6  | 888.4  | 890.1  | 891.9  | 893.6  | 895.5  | 897.4  |
| 137.5° | 919.7  | 921.8  | 924.0  | 926.1  | 928.1  | 930.2  | 932.1  | 934.1  | 936.0  | 937.9  | 939.8  |
| 140°   | 948.8  | 950.4  | 951.9  | 953.5  | 955.3  | 957.4  | 959.5  | 961.6  | 963.8  | 965.5  | 967.3  |
| 142.5° | 973.6  | 975.0  | 976.4  | 977.8  | 979.7  | 982.1  | 984.6  | 987.0  | 989.4  | 991.0  | 992.5  |
| 145°   | 1011.2 | 1011.1 | 1010.9 | 1010.6 | 1012.2 | 1015.5 | 1018.7 | 1022.1 | 1025.3 | 1026.6 | 1028.0 |
| 147.5° | 1044.9 | 1044.2 | 1043.4 | 1042.7 | 1043.9 | 1047.2 | 1050.4 | 1053.6 | 1056.9 | 1057.9 | 1058.8 |
| 150°   | 1066.4 | 1065.1 | 1063.7 | 1062.4 | 1063.2 | 1066.3 | 1069.4 | 1072.5 | 1075.5 | 1076.8 | 1077.9 |
| 152.5° | 1085.0 | 1083.5 | 1082.0 | 1080.5 | 1081.2 | 1084.1 | 1087.0 | 1090.0 | 1092.9 | 1094.1 | 1095.2 |
| 155°   | 1112.0 | 1110.3 | 1108.5 | 1106.8 | 1107.1 | 1109.4 | 1111.7 | 1114.0 | 1116.3 | 1117.4 | 1118.6 |
| 157.5° | 1133.6 | 1132.1 | 1130.7 | 1129.2 | 1129.3 | 1130.9 | 1132.5 | 1134.1 | 1135.7 | 1137.0 | 1138.3 |
| 160°   | 1146.4 | 1145.2 | 1144.0 | 1142.9 | 1142.9 | 1144.0 | 1145.2 | 1146.4 | 1147.5 | 1148.7 | 1149.8 |
| 162.5° | 1157.5 | 1156.3 | 1155.1 | 1154.0 | 1153.9 | 1154.9 | 1155.9 | 1156.9 | 1157.9 | 1159.2 | 1160.5 |
| 165°   | 1172.3 | 1171.2 | 1170.0 | 1168.9 | 1168.6 | 1169.1 | 1169.8 | 1170.4 | 1170.9 | 1172.2 | 1173.6 |
| 167.5° | 1183.5 | 1182.3 | 1181.1 | 1180.0 | 1179.7 | 1180.2 | 1180.7 | 1181.3 | 1181.9 | 1183.2 | 1184.5 |
| 170°   | 1189.7 | 1188.5 | 1187.4 | 1186.3 | 1185.9 | 1186.3 | 1186.6 | 1187.0 | 1187.4 | 1188.7 | 1190.1 |
| 172.5° | 1193.8 | 1192.7 | 1191.6 | 1190.4 | 1190.0 | 1190.4 | 1190.7 | 1191.2 | 1191.6 | 1192.9 | 1194.3 |
| 175°   | 1199.1 | 1197.7 | 1196.4 | 1195.0 | 1194.5 | 1194.9 | 1195.3 | 1195.6 | 1196.0 | 1197.4 | 1198.7 |
| 177.5° | 1200.2 | 1199.1 | 1198.0 | 1196.9 | 1196.5 | 1196.6 | 1196.8 | 1196.9 | 1197.1 | 1198.2 | 1199.2 |
| 180°   | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 |



TEST NUMBER: P331276-930

CATALOG NUMBER: SA2XXDIP-C290D1080U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 335°  | 340°  | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 | 481.9 |
| 2.5°   | 499.9 | 501.9 | 501.9 | 502.2 | 504.6 | 504.3 | 504.1 |
| 5°     | 531.9 | 535.1 | 535.4 | 538.7 | 541.0 | 540.2 | 538.2 |
| 7.5°   | 562.1 | 568.0 | 572.5 | 574.9 | 577.9 | 579.7 | 578.9 |
| 10°    | 586.2 | 594.7 | 599.9 | 603.4 | 607.6 | 610.8 | 609.7 |
| 12.5°  | 608.0 | 618.1 | 625.3 | 631.3 | 631.8 | 635.9 | 633.1 |
| 15°    | 642.0 | 652.6 | 653.8 | 658.2 | 661.8 | 661.4 | 661.5 |
| 17.5°  | 653.1 | 656.6 | 657.3 | 657.4 | 657.5 | 656.2 | 653.3 |
| 20°    | 649.1 | 647.8 | 644.7 | 642.3 | 638.1 | 637.5 | 633.8 |
| 22.5°  | 630.1 | 626.1 | 618.2 | 612.9 | 606.3 | 604.6 | 603.6 |
| 25°    | 592.9 | 583.8 | 571.2 | 559.1 | 555.8 | 549.3 | 551.1 |
| 27.5°  | 541.6 | 527.5 | 513.8 | 504.1 | 495.2 | 485.5 | 488.3 |
| 30°    | 505.6 | 489.7 | 470.4 | 455.6 | 446.1 | 436.9 | 435.2 |
| 32.5°  | 462.7 | 439.3 | 417.8 | 404.8 | 390.3 | 384.4 | 378.1 |
| 35°    | 388.6 | 365.7 | 344.5 | 326.1 | 315.6 | 307.4 | 300.0 |
| 37.5°  | 322.0 | 295.7 | 278.5 | 263.7 | 256.0 | 251.4 | 252.6 |
| 40°    | 280.6 | 257.6 | 245.0 | 233.7 | 226.7 | 223.4 | 224.1 |
| 42.5°  | 247.1 | 229.9 | 219.6 | 211.8 | 206.8 | 205.0 | 204.6 |
| 45°    | 209.1 | 199.5 | 190.9 | 186.5 | 184.1 | 182.1 | 180.8 |
| 47.5°  | 183.2 | 175.3 | 170.5 | 167.9 | 165.8 | 163.7 | 163.6 |
| 50°    | 167.6 | 162.4 | 159.1 | 156.3 | 154.7 | 153.2 | 154.5 |
| 52.5°  | 155.7 | 151.0 | 147.7 | 145.2 | 144.6 | 143.2 | 143.2 |
| 55°    | 138.2 | 134.4 | 132.1 | 129.8 | 128.7 | 128.0 | 127.0 |
| 57.5°  | 122.1 | 118.6 | 116.4 | 115.0 | 112.9 | 112.2 | 111.9 |
| 60°    | 110.7 | 107.9 | 105.7 | 103.9 | 103.0 | 101.5 | 101.5 |
| 62.5°  | 100.2 | 97.4  | 95.4  | 94.0  | 92.5  | 91.9  | 92.0  |
| 65°    | 85.0  | 82.8  | 80.7  | 79.2  | 78.9  | 77.8  | 78.2  |
| 67.5°  | 71.0  | 69.5  | 67.3  | 66.5  | 65.9  | 65.3  | 64.8  |
| 70°    | 61.6  | 60.2  | 59.1  | 58.0  | 57.4  | 57.4  | 57.4  |
| 72.5°  | 53.8  | 52.0  | 51.4  | 50.0  | 50.3  | 49.7  | 49.1  |
| 75°    | 41.7  | 40.5  | 40.0  | 39.5  | 38.6  | 38.6  | 38.6  |
| 77.5°  | 30.7  | 30.3  | 29.7  | 29.1  | 28.9  | 28.7  | 28.8  |
| 80°    | 23.7  | 23.5  | 23.2  | 23.2  | 22.7  | 22.6  | 22.3  |
| 82.5°  | 18.3  | 17.8  | 17.5  | 17.4  | 17.3  | 17.3  | 17.2  |
| 85°    | 10.4  | 10.0  | 10.0  | 10.2  | 9.8   | 9.8   | 10.0  |
| 87.5°  | 8.1   | 8.2   | 8.2   | 8.3   | 8.6   | 8.5   | 8.6   |
| 90°    | 20.2  | 21.2  | 21.9  | 22.3  | 22.7  | 23.0  | 23.4  |
| 92.5°  | 21.6  | 22.1  | 22.5  | 22.7  | 22.9  | 23.2  | 23.4  |
| 95°    | 36.7  | 37.7  | 38.1  | 37.8  | 37.7  | 37.4  | 37.3  |
| 97.5°  | 47.5  | 48.3  | 48.8  | 49.1  | 49.3  | 49.5  | 49.7  |
| 100°   | 54.1  | 55.6  | 56.5  | 56.9  | 57.3  | 57.7  | 58.0  |
| 102.5° | 56.8  | 58.8  | 60.1  | 60.6  | 61.1  | 61.7  | 62.2  |
| 105°   | 59.2  | 61.3  | 62.8  | 63.6  | 64.3  | 65.1  | 65.9  |
| 107.5° | 67.5  | 65.4  | 64.7  | 65.5  | 66.2  | 67.0  | 67.8  |
| 110°   | 93.9  | 74.6  | 65.4  | 66.1  | 66.9  | 67.7  | 68.5  |



TEST NUMBER: P331276-930

CATALOG NUMBER: SA2XXDIP-C290D1080U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 171.8  | 101.5  | 66.7   | 67.3   | 67.9   | 68.6   | 69.1   |
| 115°   | 267.3  | 178.1  | 126.5  | 112.7  | 98.8   | 85.0   | 71.1   |
| 117.5° | 527.6  | 506.1  | 472.5  | 426.9  | 381.3  | 335.7  | 290.2  |
| 120°   | 642.2  | 644.6  | 632.7  | 606.7  | 580.7  | 554.6  | 528.7  |
| 122.5° | 680.4  | 681.8  | 679.9  | 674.9  | 669.8  | 664.8  | 659.7  |
| 125°   | 736.4  | 737.8  | 738.7  | 739.3  | 739.9  | 740.5  | 741.0  |
| 127.5° | 788.9  | 790.8  | 791.9  | 792.0  | 792.1  | 792.2  | 792.3  |
| 130°   | 821.9  | 824.0  | 825.0  | 824.8  | 824.6  | 824.4  | 824.3  |
| 132.5° | 853.6  | 855.4  | 856.2  | 856.0  | 855.8  | 855.7  | 855.4  |
| 135°   | 899.4  | 901.2  | 902.0  | 901.6  | 901.2  | 900.9  | 900.5  |
| 137.5° | 941.7  | 943.5  | 944.2  | 943.5  | 942.9  | 942.2  | 941.6  |
| 140°   | 969.0  | 970.7  | 971.1  | 970.1  | 969.1  | 968.2  | 967.3  |
| 142.5° | 994.2  | 995.7  | 996.1  | 995.1  | 994.1  | 993.2  | 992.2  |
| 145°   | 1029.3 | 1030.7 | 1030.9 | 1030.0 | 1029.0 | 1028.0 | 1027.0 |
| 147.5° | 1059.9 | 1060.9 | 1060.9 | 1060.1 | 1059.3 | 1058.5 | 1057.7 |
| 150°   | 1079.0 | 1080.2 | 1080.3 | 1079.3 | 1078.4 | 1077.4 | 1076.4 |
| 152.5° | 1096.4 | 1097.6 | 1097.5 | 1096.2 | 1094.9 | 1093.6 | 1092.4 |
| 155°   | 1119.8 | 1121.0 | 1120.7 | 1119.2 | 1117.7 | 1116.1 | 1114.6 |
| 157.5° | 1139.6 | 1140.9 | 1140.8 | 1139.4 | 1137.8 | 1136.4 | 1134.8 |
| 160°   | 1151.0 | 1152.1 | 1152.0 | 1150.7 | 1149.3 | 1148.0 | 1146.6 |
| 162.5° | 1161.8 | 1163.2 | 1162.9 | 1161.3 | 1159.7 | 1158.0 | 1156.3 |
| 165°   | 1174.9 | 1176.3 | 1176.3 | 1174.9 | 1173.6 | 1172.2 | 1170.9 |
| 167.5° | 1185.9 | 1187.2 | 1187.0 | 1185.3 | 1183.6 | 1181.9 | 1180.1 |
| 170°   | 1191.4 | 1192.8 | 1192.5 | 1190.8 | 1189.1 | 1187.4 | 1185.6 |
| 172.5° | 1195.6 | 1196.9 | 1196.8 | 1195.0 | 1193.3 | 1191.6 | 1189.8 |
| 175°   | 1200.1 | 1201.4 | 1201.2 | 1199.2 | 1197.3 | 1195.4 | 1193.4 |
| 177.5° | 1200.3 | 1201.4 | 1201.3 | 1199.9 | 1198.5 | 1197.1 | 1195.7 |
| 180°   | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 | 1197.8 |

(END OF REPORT)