

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: P331639-830

Luminaire Tested: **S122RDIP-S290D1080U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331639-830  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122RDIP-S290D1080U830-4F0-1E-UDD-A  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 290 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1080 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5126.3 lumens  
Efficiency: N/A  
Efficacy: 121.5 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: Semi-Indirect

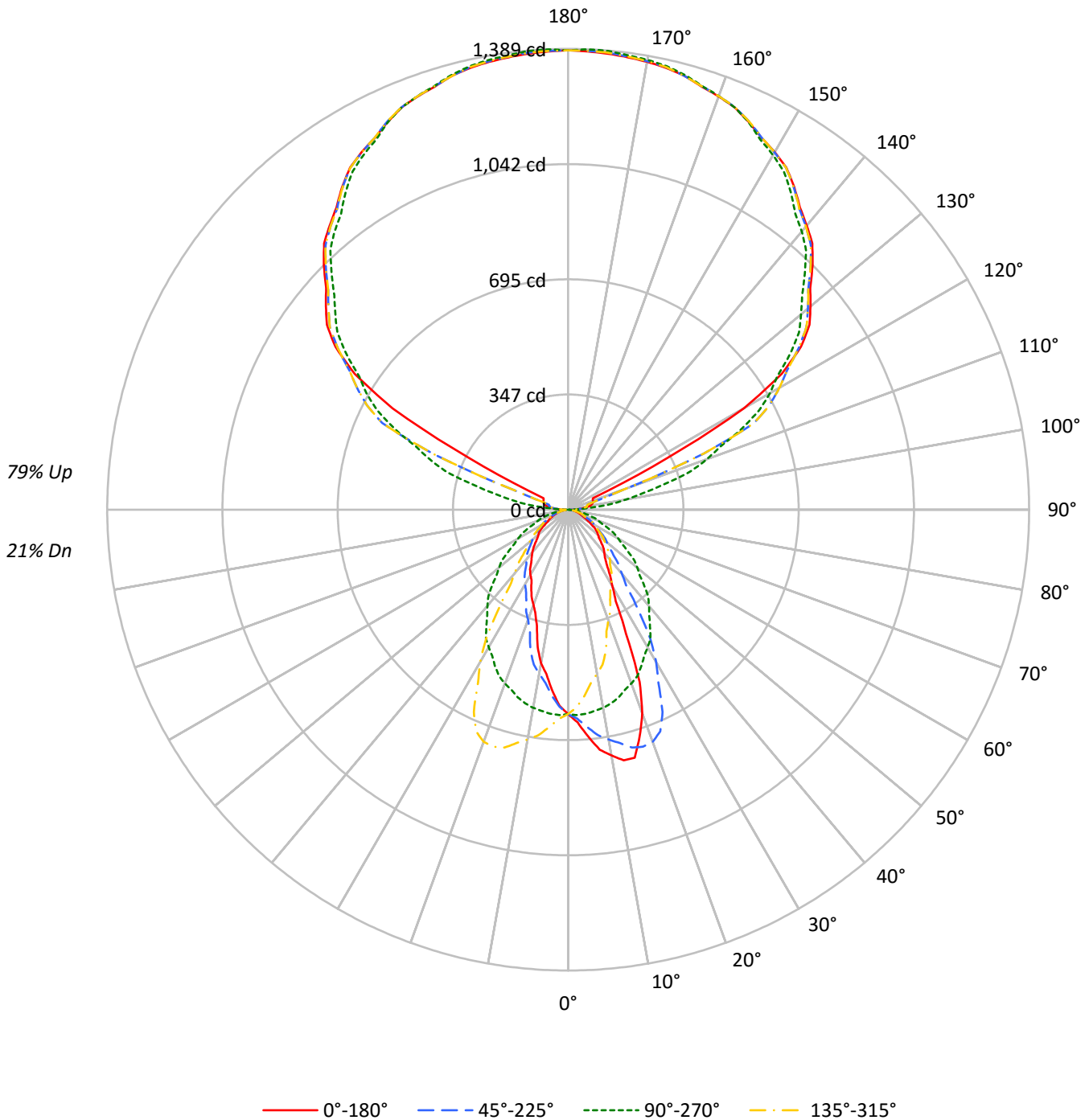
Input Watts (W): 42.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P331639-830

CATALOG NUMBER: S122RDIP-S290D1080U830-4F0-1E-UDD-A

### Luminous Intensity Polar Plot





TEST NUMBER: P331639-830

CATALOG NUMBER: S122RDIP-S290D1080U830-4F0-1E-UDD-A

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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    | 20 |    |
| RC  | 80  |     |     |     | 70 |    |    |    | 50 |    |    |    | 30 |    |    |    | 10 | 0  |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0  |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 100 | 100 | 100 | 100 | 89 | 89 | 89 | 89 | 67 | 67 | 67 | 47 | 47 | 47 | 29 | 29 | 29 | 21 |
| 1   | 92  | 88  | 84  | 81  | 81 | 78 | 75 | 72 | 59 | 57 | 55 | 42 | 41 | 40 | 26 | 26 | 25 | 18 |
| 2   | 84  | 77  | 71  | 66  | 74 | 68 | 64 | 60 | 52 | 49 | 46 | 37 | 35 | 34 | 24 | 23 | 22 | 16 |
| 3   | 76  | 68  | 61  | 56  | 67 | 60 | 55 | 50 | 46 | 42 | 39 | 33 | 31 | 29 | 21 | 20 | 19 | 14 |
| 4   | 70  | 60  | 53  | 47  | 62 | 54 | 47 | 43 | 41 | 37 | 34 | 30 | 27 | 25 | 19 | 18 | 17 | 12 |
| 5   | 64  | 53  | 46  | 40  | 57 | 48 | 41 | 37 | 37 | 33 | 29 | 27 | 24 | 22 | 17 | 16 | 15 | 11 |
| 6   | 59  | 48  | 40  | 35  | 52 | 43 | 36 | 32 | 33 | 29 | 25 | 24 | 21 | 19 | 16 | 14 | 13 | 10 |
| 7   | 55  | 43  | 36  | 31  | 48 | 39 | 32 | 28 | 30 | 26 | 22 | 22 | 19 | 17 | 15 | 13 | 12 | 9  |
| 8   | 51  | 39  | 32  | 27  | 45 | 35 | 29 | 25 | 27 | 23 | 20 | 20 | 17 | 15 | 13 | 12 | 11 | 8  |
| 9   | 47  | 36  | 29  | 24  | 42 | 32 | 26 | 22 | 25 | 21 | 18 | 19 | 16 | 14 | 13 | 11 | 10 | 7  |
| 10  | 44  | 33  | 26  | 21  | 39 | 29 | 24 | 20 | 23 | 19 | 16 | 17 | 14 | 12 | 12 | 10 | 9  | 7  |

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

|     | 0°    | 90°   | 180° | 270°  |
|-----|-------|-------|------|-------|
| 0°  | 9947  | 9947  | 9947 | 9947  |
| 5°  | 11110 | 10010 | 8877 | 10010 |
| 10° | 12329 | 9940  | 7694 | 9940  |
| 15° | 12933 | 9795  | 6063 | 9795  |
| 20° | 11213 | 9579  | 5246 | 9579  |
| 25° | 7352  | 9283  | 4684 | 9283  |
| 30° | 4950  | 8925  | 4238 | 8925  |
| 35° | 4009  | 8474  | 3824 | 8474  |
| 40° | 3564  | 7982  | 3539 | 7982  |
| 45° | 3226  | 7405  | 3158 | 7405  |
| 50° | 2936  | 6835  | 2926 | 6835  |
| 55° | 2759  | 6201  | 2725 | 6201  |
| 60° | 2309  | 5622  | 2283 | 5622  |
| 65° | 1948  | 5104  | 2208 | 5104  |
| 70° | 1799  | 4556  | 2082 | 4556  |
| 75° | 1684  | 3968  | 1921 | 3968  |
| 80° | 1553  | 3273  | 1711 | 3273  |
| 85° | 1426  | 2575  | 1501 | 2575  |



TEST NUMBER: P331639-830

CATALOG NUMBER: S122RDIP-S290D1080U830-4F0-1E-UDD-A

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 58.4   | 1.1       |
| 10°-20°   | 162.8  | 3.2       |
| 20°-30°   | 209.7  | 4.1       |
| 30°-40°   | 199.3  | 3.9       |
| 40°-50°   | 170.7  | 3.3       |
| 50°-60°   | 130.0  | 2.5       |
| 60°-70°   | 82.2   | 1.6       |
| 70°-80°   | 41.0   | 0.8       |
| 80°-90°   | 14.1   | 0.3       |
| 90°-100°  | 46.2   | 0.9       |
| 100°-110° | 169.4  | 3.3       |
| 110°-120° | 452.8  | 8.8       |
| 120°-130° | 747.4  | 14.6      |
| 130°-140° | 794.9  | 15.5      |
| 140°-150° | 738.8  | 14.4      |
| 150°-160° | 594.0  | 11.6      |
| 160°-170° | 382.8  | 7.5       |
| 170°-180° | 131.8  | 2.6       |
| 0°-30°    | 430.9  | 8.4       |
| 0°-40°    | 630.2  | 12.3      |
| 0°-60°    | 931.0  | 18.2      |
| 0°-90°    | 1068.3 | 20.8      |
| 90°-120°  | 668.4  | 13.0      |
| 90°-150°  | 2949.4 | 57.5      |
| 90°-180°  | 4058.0 | 79.2      |
| 0°-180°   | 5126.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 616  | 616  | 616  | 616  | 616  |      |
| 5°   | 686  | 618  | 548  | 618  | 686  | 68   |
| 15°  | 774  | 586  | 363  | 586  | 774  | 209  |
| 25°  | 413  | 521  | 263  | 521  | 413  | 196  |
| 35°  | 203  | 430  | 194  | 430  | 203  | 130  |
| 45°  | 141  | 324  | 138  | 324  | 141  | 109  |
| 55°  | 98   | 220  | 97   | 220  | 98   | 86   |
| 65°  | 51   | 134  | 58   | 134  | 51   | 52   |
| 75°  | 27   | 64   | 31   | 64   | 27   | 29   |
| 85°  | 8    | 14   | 8    | 14   | 8    | 9    |
| 90°  | 27   | 1    | 27   | 1    | 27   | 12   |
| 95°  | 43   | 65   | 43   | 65   | 43   | 40   |
| 105° | 76   | 305  | 76   | 305  | 76   | 79   |
| 115° | 82   | 576  | 82   | 576  | 82   | 206  |
| 125° | 857  | 815  | 857  | 815  | 857  | 741  |
| 135° | 1041 | 1008 | 1041 | 1008 | 1041 | 802  |
| 145° | 1187 | 1169 | 1187 | 1169 | 1187 | 743  |
| 155° | 1288 | 1288 | 1288 | 1288 | 1288 | 595  |
| 165° | 1354 | 1357 | 1354 | 1357 | 1354 | 382  |
| 175° | 1380 | 1388 | 1380 | 1388 | 1380 | 131  |
| 180° | 1385 | 1385 | 1385 | 1385 | 1385 |      |



TEST NUMBER: P331639-830

CATALOG NUMBER: S122RDIP-S290D1080U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 |
| 2.5°   | 641.2 | 641.7 | 642.2 | 641.0 | 641.0 | 640.0 | 637.7 | 636.0 | 631.2 | 630.6 | 630.6 |
| 5°     | 685.5 | 685.1 | 686.0 | 683.2 | 679.4 | 678.4 | 674.4 | 669.0 | 663.5 | 657.3 | 656.0 |
| 7.5°   | 729.6 | 729.0 | 727.3 | 726.8 | 723.9 | 717.4 | 710.9 | 703.9 | 694.7 | 685.6 | 681.1 |
| 10°    | 752.0 | 759.0 | 754.7 | 747.2 | 748.7 | 738.7 | 733.3 | 724.1 | 716.3 | 702.9 | 699.9 |
| 12.5°  | 773.8 | 776.7 | 775.2 | 771.0 | 769.1 | 762.1 | 754.9 | 746.9 | 732.6 | 720.6 | 710.0 |
| 15°    | 773.7 | 777.8 | 778.9 | 777.6 | 778.6 | 778.3 | 774.4 | 767.8 | 755.4 | 742.1 | 730.5 |
| 17.5°  | 716.6 | 719.4 | 726.5 | 731.2 | 737.3 | 749.9 | 756.2 | 758.6 | 756.8 | 749.1 | 741.0 |
| 20°    | 652.6 | 647.9 | 667.6 | 677.6 | 686.2 | 707.6 | 726.0 | 733.1 | 744.4 | 744.2 | 742.1 |
| 22.5°  | 561.8 | 562.9 | 581.5 | 593.5 | 618.5 | 640.0 | 660.9 | 687.5 | 709.5 | 724.0 | 732.4 |
| 25°    | 412.7 | 420.9 | 439.5 | 455.8 | 483.6 | 523.5 | 559.7 | 601.6 | 641.2 | 672.5 | 702.3 |
| 27.5°  | 310.0 | 310.7 | 325.4 | 340.4 | 356.9 | 389.6 | 435.2 | 485.2 | 541.7 | 588.3 | 641.9 |
| 30°    | 265.5 | 264.2 | 270.4 | 279.7 | 293.8 | 319.1 | 353.3 | 402.5 | 458.8 | 529.0 | 591.5 |
| 32.5°  | 233.9 | 234.0 | 238.7 | 245.5 | 257.2 | 274.3 | 297.7 | 337.8 | 391.0 | 460.1 | 533.3 |
| 35°    | 203.4 | 203.2 | 206.6 | 211.5 | 216.4 | 227.3 | 243.5 | 264.4 | 301.0 | 365.4 | 440.4 |
| 37.5°  | 181.4 | 182.4 | 184.1 | 187.2 | 192.6 | 198.7 | 208.3 | 222.4 | 248.5 | 286.6 | 349.6 |
| 40°    | 169.1 | 169.6 | 171.9 | 174.5 | 177.7 | 182.4 | 190.3 | 201.7 | 220.7 | 251.1 | 297.2 |
| 42.5°  | 157.9 | 158.3 | 159.9 | 162.3 | 164.9 | 169.6 | 176.2 | 186.0 | 201.4 | 225.1 | 263.1 |
| 45°    | 141.3 | 141.3 | 142.8 | 143.8 | 146.7 | 150.9 | 156.3 | 164.5 | 175.1 | 192.7 | 217.9 |
| 47.5°  | 125.8 | 125.8 | 126.9 | 128.7 | 130.4 | 133.7 | 139.0 | 145.7 | 153.4 | 167.0 | 188.6 |
| 50°    | 116.9 | 117.2 | 117.7 | 119.2 | 120.4 | 123.3 | 127.4 | 133.2 | 141.3 | 151.8 | 169.8 |
| 52.5°  | 109.7 | 109.6 | 110.4 | 111.0 | 111.8 | 113.9 | 117.0 | 122.1 | 129.3 | 138.5 | 153.4 |
| 55°    | 98.0  | 97.2  | 98.5  | 99.5  | 100.2 | 101.0 | 102.7 | 105.9 | 112.2 | 119.9 | 131.0 |
| 57.5°  | 83.5  | 83.1  | 84.1  | 85.0  | 87.1  | 89.4  | 90.9  | 92.8  | 96.0  | 101.6 | 112.6 |
| 60°    | 71.5  | 71.5  | 73.4  | 74.1  | 76.4  | 79.5  | 82.5  | 84.2  | 87.4  | 91.0  | 99.2  |
| 62.5°  | 60.9  | 61.1  | 61.9  | 62.6  | 63.9  | 67.6  | 71.8  | 75.6  | 78.6  | 82.1  | 87.5  |
| 65°    | 51.0  | 51.4  | 51.4  | 51.8  | 52.7  | 53.5  | 55.2  | 58.2  | 63.6  | 68.5  | 72.6  |
| 67.5°  | 43.3  | 43.4  | 43.5  | 43.9  | 44.1  | 45.1  | 45.8  | 47.1  | 48.4  | 53.0  | 58.1  |
| 70°    | 38.1  | 38.7  | 38.5  | 38.9  | 39.2  | 39.6  | 40.4  | 41.1  | 43.1  | 44.1  | 47.1  |
| 72.5°  | 33.3  | 33.7  | 33.7  | 34.0  | 34.6  | 34.7  | 35.3  | 36.0  | 37.2  | 38.1  | 39.8  |
| 75°    | 27.0  | 26.8  | 27.0  | 27.4  | 27.6  | 27.8  | 27.8  | 28.7  | 29.3  | 30.2  | 31.3  |
| 77.5°  | 20.8  | 21.0  | 21.0  | 21.0  | 21.1  | 21.5  | 21.4  | 21.8  | 22.4  | 22.9  | 23.4  |
| 80°    | 16.7  | 16.9  | 16.7  | 16.9  | 17.2  | 17.3  | 17.2  | 17.3  | 18.0  | 18.4  | 18.4  |
| 82.5°  | 12.9  | 13.0  | 13.1  | 13.1  | 13.2  | 13.2  | 13.6  | 13.6  | 14.0  | 13.9  | 14.1  |
| 85°    | 7.7   | 7.5   | 7.5   | 7.5   | 7.7   | 7.9   | 7.7   | 7.7   | 7.9   | 7.9   | 7.9   |
| 87.5°  | 8.1   | 8.2   | 8.1   | 8.0   | 8.0   | 7.8   | 7.6   | 7.5   | 7.2   | 7.1   | 6.6   |
| 90°    | 27.1  | 26.6  | 26.2  | 25.7  | 25.3  | 24.5  | 23.4  | 22.2  | 21.1  | 20.1  | 18.3  |
| 92.5°  | 27.1  | 26.8  | 26.5  | 26.3  | 26.0  | 25.5  | 25.0  | 24.4  | 23.8  | 23.3  | 22.3  |
| 95°    | 43.1  | 43.3  | 43.5  | 43.7  | 44.0  | 43.5  | 42.4  | 41.3  | 40.2  | 39.1  | 37.5  |
| 97.5°  | 57.5  | 57.2  | 57.0  | 56.7  | 56.5  | 55.9  | 55.0  | 54.1  | 53.2  | 52.3  | 48.7  |
| 100°   | 67.1  | 66.7  | 66.3  | 65.8  | 65.3  | 64.3  | 62.5  | 60.7  | 58.9  | 57.1  | 53.3  |
| 102.5° | 71.9  | 71.4  | 70.7  | 70.0  | 69.5  | 68.0  | 65.7  | 63.3  | 61.1  | 58.7  | 90.4  |
| 105°   | 76.2  | 75.2  | 74.4  | 73.5  | 72.6  | 70.9  | 68.4  | 66.0  | 63.5  | 61.1  | 121.9 |
| 107.5° | 78.3  | 77.5  | 76.5  | 75.7  | 74.8  | 75.6  | 78.0  | 80.6  | 83.0  | 85.6  | 158.4 |
| 110°   | 79.2  | 78.2  | 77.4  | 76.4  | 75.6  | 86.2  | 108.6 | 130.8 | 153.1 | 175.3 | 239.7 |



TEST NUMBER: P331639-830

CATALOG NUMBER: S122RDIP-S290D1080U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 79.9   | 79.3   | 78.5   | 77.9   | 77.1   | 117.3  | 198.6  | 279.8  | 361.1  | 442.2  | 458.2  |
| 115°   | 82.2   | 98.2   | 114.2  | 130.3  | 146.3  | 205.9  | 309.0  | 412.0  | 515.1  | 618.2  | 612.7  |
| 117.5° | 335.5  | 388.1  | 440.8  | 493.5  | 546.2  | 585.0  | 609.9  | 634.9  | 659.8  | 684.8  | 680.9  |
| 120°   | 611.2  | 641.2  | 671.3  | 701.3  | 731.4  | 745.2  | 742.4  | 739.8  | 737.1  | 734.4  | 730.5  |
| 122.5° | 762.7  | 768.5  | 774.4  | 780.2  | 786.0  | 788.2  | 786.6  | 784.9  | 783.3  | 781.7  | 777.4  |
| 125°   | 856.7  | 856.0  | 855.4  | 854.7  | 854.0  | 852.9  | 851.3  | 849.8  | 848.2  | 846.7  | 842.4  |
| 127.5° | 916.0  | 915.9  | 915.8  | 915.6  | 915.5  | 914.3  | 912.0  | 909.7  | 907.5  | 905.2  | 902.0  |
| 130°   | 952.9  | 953.1  | 953.3  | 953.6  | 953.8  | 952.6  | 950.2  | 947.7  | 945.3  | 942.8  | 940.4  |
| 132.5° | 988.9  | 989.2  | 989.4  | 989.6  | 989.9  | 988.9  | 986.8  | 984.7  | 982.6  | 980.5  | 978.1  |
| 135°   | 1041.0 | 1041.5 | 1041.9 | 1042.4 | 1042.8 | 1041.9 | 1039.7 | 1037.5 | 1035.3 | 1033.0 | 1031.0 |
| 137.5° | 1088.5 | 1089.3 | 1090.1 | 1090.8 | 1091.6 | 1090.8 | 1088.6 | 1086.5 | 1084.3 | 1082.1 | 1079.9 |
| 140°   | 1118.2 | 1119.3 | 1120.4 | 1121.5 | 1122.7 | 1122.2 | 1120.2 | 1118.2 | 1116.2 | 1114.2 | 1111.7 |
| 142.5° | 1147.1 | 1148.2 | 1149.2 | 1150.4 | 1151.5 | 1151.1 | 1149.3 | 1147.5 | 1145.7 | 1143.9 | 1141.0 |
| 145°   | 1187.3 | 1188.5 | 1189.6 | 1190.7 | 1191.8 | 1191.6 | 1190.0 | 1188.5 | 1186.8 | 1185.3 | 1181.6 |
| 147.5° | 1222.8 | 1223.7 | 1224.6 | 1225.6 | 1226.5 | 1226.4 | 1225.3 | 1224.1 | 1222.9 | 1221.8 | 1218.0 |
| 150°   | 1244.4 | 1245.6 | 1246.7 | 1247.7 | 1248.9 | 1248.8 | 1247.5 | 1246.1 | 1244.8 | 1243.4 | 1239.9 |
| 152.5° | 1262.9 | 1264.3 | 1265.8 | 1267.2 | 1268.8 | 1268.9 | 1267.5 | 1266.1 | 1264.8 | 1263.5 | 1260.1 |
| 155°   | 1288.5 | 1290.3 | 1292.1 | 1293.8 | 1295.6 | 1295.9 | 1294.6 | 1293.2 | 1291.8 | 1290.5 | 1287.9 |
| 157.5° | 1311.9 | 1313.7 | 1315.4 | 1317.2 | 1318.9 | 1319.0 | 1317.5 | 1316.0 | 1314.5 | 1313.0 | 1311.1 |
| 160°   | 1325.6 | 1327.2 | 1328.7 | 1330.3 | 1331.8 | 1331.9 | 1330.6 | 1329.3 | 1327.9 | 1326.6 | 1325.3 |
| 162.5° | 1336.8 | 1338.7 | 1340.7 | 1342.6 | 1344.4 | 1344.7 | 1343.1 | 1341.6 | 1340.1 | 1338.6 | 1337.5 |
| 165°   | 1353.7 | 1355.2 | 1356.8 | 1358.3 | 1359.9 | 1359.9 | 1358.3 | 1356.8 | 1355.2 | 1353.7 | 1353.0 |
| 167.5° | 1364.2 | 1366.3 | 1368.3 | 1370.3 | 1372.2 | 1372.5 | 1370.9 | 1369.4 | 1367.8 | 1366.3 | 1365.6 |
| 170°   | 1370.6 | 1372.7 | 1374.7 | 1376.7 | 1378.7 | 1378.9 | 1377.3 | 1375.8 | 1374.2 | 1372.7 | 1372.2 |
| 172.5° | 1375.5 | 1377.5 | 1379.5 | 1381.5 | 1383.6 | 1383.7 | 1382.1 | 1380.6 | 1379.0 | 1377.5 | 1377.1 |
| 175°   | 1379.7 | 1382.0 | 1384.1 | 1386.4 | 1388.6 | 1388.9 | 1387.4 | 1385.8 | 1384.3 | 1382.7 | 1382.2 |
| 177.5° | 1382.3 | 1383.9 | 1385.5 | 1387.1 | 1388.7 | 1388.9 | 1387.6 | 1386.4 | 1385.2 | 1383.9 | 1383.7 |
| 180°   | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 |



TEST NUMBER: P331639-830

CATALOG NUMBER: S122RDIP-S290D1080U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 |
| 2.5°   | 630.9 | 629.5 | 628.3 | 625.3 | 623.7 | 620.3 | 619.8 | 619.6 | 615.2 | 610.9 | 609.6 |
| 5°     | 652.6 | 649.1 | 644.0 | 638.0 | 631.8 | 625.4 | 621.1 | 617.6 | 609.1 | 601.0 | 596.3 |
| 7.5°   | 674.4 | 667.0 | 658.2 | 646.9 | 637.3 | 626.8 | 618.9 | 611.8 | 599.6 | 588.0 | 580.1 |
| 10°    | 690.7 | 678.7 | 666.9 | 651.3 | 639.0 | 627.1 | 616.0 | 606.3 | 592.7 | 577.2 | 566.3 |
| 12.5°  | 700.8 | 687.6 | 671.4 | 656.1 | 640.3 | 625.0 | 610.1 | 597.8 | 581.6 | 565.7 | 552.8 |
| 15°    | 714.4 | 700.3 | 680.6 | 658.7 | 638.5 | 618.5 | 601.4 | 586.0 | 565.1 | 545.9 | 530.1 |
| 17.5°  | 725.7 | 706.2 | 685.0 | 659.8 | 636.2 | 611.0 | 588.9 | 569.2 | 545.8 | 522.8 | 504.2 |
| 20°    | 729.2 | 709.9 | 685.5 | 660.3 | 632.4 | 602.7 | 578.9 | 557.5 | 532.4 | 507.4 | 486.0 |
| 22.5°  | 727.0 | 712.0 | 684.9 | 654.6 | 626.1 | 595.0 | 568.2 | 543.3 | 515.5 | 489.9 | 465.1 |
| 25°    | 711.9 | 706.7 | 681.1 | 648.1 | 615.6 | 579.4 | 548.3 | 521.1 | 489.5 | 462.0 | 435.1 |
| 27.5°  | 676.7 | 687.8 | 671.8 | 636.7 | 600.5 | 561.8 | 526.8 | 495.9 | 463.0 | 432.2 | 405.3 |
| 30°    | 642.7 | 668.2 | 661.4 | 628.8 | 588.3 | 550.3 | 511.0 | 478.7 | 443.7 | 411.9 | 385.4 |
| 32.5°  | 596.3 | 638.4 | 645.1 | 617.8 | 576.0 | 534.1 | 493.0 | 460.9 | 424.2 | 390.9 | 365.0 |
| 35°    | 522.4 | 585.3 | 614.3 | 596.9 | 555.0 | 509.7 | 467.4 | 429.9 | 393.0 | 360.1 | 334.4 |
| 37.5°  | 434.2 | 520.0 | 568.2 | 569.4 | 530.8 | 483.9 | 437.7 | 400.5 | 362.8 | 330.5 | 302.7 |
| 40°    | 377.0 | 470.0 | 532.7 | 546.6 | 514.1 | 463.4 | 416.6 | 378.7 | 342.0 | 310.2 | 278.3 |
| 42.5°  | 325.6 | 418.2 | 495.3 | 519.5 | 493.7 | 443.3 | 396.4 | 356.8 | 321.0 | 291.1 | 258.4 |
| 45°    | 263.3 | 344.3 | 429.2 | 472.5 | 458.2 | 411.5 | 362.0 | 324.3 | 290.8 | 264.9 | 233.6 |
| 47.5°  | 222.2 | 279.2 | 361.5 | 419.9 | 419.7 | 377.1 | 328.4 | 292.4 | 261.2 | 236.9 | 211.6 |
| 50°    | 198.7 | 248.4 | 317.9 | 384.3 | 389.8 | 354.1 | 307.8 | 272.1 | 243.0 | 217.5 | 197.2 |
| 52.5°  | 177.6 | 218.6 | 281.1 | 344.8 | 360.6 | 329.6 | 284.7 | 251.8 | 223.5 | 200.0 | 182.7 |
| 55°    | 150.1 | 181.8 | 229.3 | 288.8 | 312.8 | 291.0 | 251.1 | 220.3 | 197.4 | 177.7 | 162.7 |
| 57.5°  | 127.0 | 150.7 | 188.9 | 236.8 | 264.7 | 251.0 | 218.1 | 193.0 | 173.4 | 155.6 | 143.8 |
| 60°    | 112.4 | 131.9 | 164.2 | 204.2 | 235.1 | 225.5 | 197.4 | 174.1 | 157.4 | 141.9 | 130.8 |
| 62.5°  | 98.7  | 115.5 | 143.2 | 175.7 | 203.9 | 199.9 | 177.0 | 157.4 | 142.8 | 128.8 | 119.3 |
| 65°    | 79.5  | 91.6  | 113.3 | 138.7 | 161.5 | 163.3 | 146.8 | 133.6 | 120.6 | 109.4 | 101.0 |
| 67.5°  | 63.2  | 71.3  | 86.4  | 107.9 | 124.9 | 131.0 | 120.9 | 110.7 | 100.4 | 91.8  | 84.5  |
| 70°    | 53.3  | 59.8  | 70.9  | 88.2  | 103.9 | 110.3 | 104.4 | 96.5  | 87.6  | 80.5  | 74.3  |
| 72.5°  | 43.2  | 49.5  | 57.7  | 70.4  | 83.8  | 90.8  | 88.7  | 83.0  | 75.8  | 69.8  | 64.0  |
| 75°    | 32.5  | 34.5  | 40.1  | 48.6  | 59.1  | 65.1  | 66.5  | 63.6  | 57.8  | 53.3  | 49.9  |
| 77.5°  | 24.0  | 25.3  | 27.9  | 32.3  | 39.2  | 44.6  | 46.8  | 46.4  | 42.4  | 39.9  | 36.6  |
| 80°    | 19.2  | 19.9  | 21.2  | 23.1  | 28.3  | 33.6  | 35.2  | 35.2  | 32.3  | 31.3  | 28.1  |
| 82.5°  | 14.6  | 15.1  | 15.9  | 17.0  | 19.3  | 24.0  | 25.7  | 26.0  | 24.3  | 22.9  | 20.4  |
| 85°    | 8.4   | 8.1   | 8.6   | 9.2   | 9.6   | 10.9  | 13.5  | 13.9  | 13.5  | 11.8  | 11.1  |
| 87.5°  | 6.2   | 6.0   | 5.7   | 5.1   | 4.7   | 4.4   | 4.8   | 5.2   | 5.0   | 4.9   | 5.1   |
| 90°    | 16.5  | 14.7  | 12.9  | 10.8  | 8.4   | 5.9   | 3.5   | 1.0   | 3.5   | 5.9   | 8.4   |
| 92.5°  | 21.5  | 20.5  | 19.7  | 19.3  | 19.6  | 19.8  | 20.0  | 20.3  | 20.0  | 19.8  | 19.6  |
| 95°    | 36.0  | 34.4  | 32.8  | 35.7  | 43.1  | 50.4  | 57.8  | 65.1  | 57.8  | 50.4  | 43.1  |
| 97.5°  | 45.1  | 41.5  | 37.9  | 46.5  | 67.1  | 87.8  | 108.6 | 129.2 | 108.6 | 87.8  | 67.1  |
| 100°   | 49.6  | 45.7  | 41.9  | 55.3  | 85.9  | 116.3 | 146.8 | 177.4 | 146.8 | 116.3 | 85.9  |
| 102.5° | 122.1 | 153.7 | 185.4 | 204.4 | 210.8 | 217.4 | 223.8 | 230.3 | 223.8 | 217.4 | 210.8 |
| 105°   | 182.7 | 243.5 | 304.3 | 331.3 | 324.6 | 317.9 | 311.3 | 304.6 | 311.3 | 317.9 | 324.6 |
| 107.5° | 231.4 | 304.3 | 377.2 | 410.9 | 405.5 | 400.1 | 394.7 | 389.4 | 394.7 | 400.1 | 405.5 |
| 110°   | 304.1 | 368.3 | 432.7 | 462.6 | 457.9 | 453.3 | 448.6 | 443.8 | 448.6 | 453.3 | 457.9 |





TEST NUMBER: P331639-830

CATALOG NUMBER: S122RDIP-S290D1080U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 474.1  | 489.9  | 505.9  | 511.7  | 507.6  | 503.4  | 499.4  | 495.2  | 499.4  | 503.4  | 507.6  |
| 115°   | 607.1  | 601.5  | 596.0  | 591.3  | 587.5  | 583.7  | 579.9  | 576.2  | 579.9  | 583.7  | 587.5  |
| 117.5° | 677.1  | 673.3  | 669.4  | 665.4  | 661.2  | 657.0  | 652.7  | 648.5  | 652.7  | 657.0  | 661.2  |
| 120°   | 726.4  | 722.5  | 718.4  | 714.7  | 711.4  | 708.0  | 704.7  | 701.3  | 704.7  | 708.0  | 711.4  |
| 122.5° | 773.0  | 768.6  | 764.3  | 760.3  | 756.9  | 753.3  | 749.8  | 746.3  | 749.8  | 753.3  | 756.9  |
| 125°   | 838.2  | 834.0  | 829.7  | 826.1  | 823.3  | 820.4  | 817.5  | 814.6  | 817.5  | 820.4  | 823.3  |
| 127.5° | 898.8  | 895.7  | 892.5  | 889.4  | 886.2  | 883.0  | 879.8  | 876.6  | 879.8  | 883.0  | 886.2  |
| 130°   | 937.9  | 935.5  | 933.0  | 930.0  | 926.5  | 922.9  | 919.4  | 915.8  | 919.4  | 922.9  | 926.5  |
| 132.5° | 975.6  | 973.2  | 970.7  | 968.0  | 965.0  | 962.0  | 958.9  | 955.8  | 958.9  | 962.0  | 965.0  |
| 135°   | 1029.0 | 1027.0 | 1025.0 | 1022.2 | 1018.7 | 1015.1 | 1011.5 | 1008.0 | 1011.5 | 1015.1 | 1018.7 |
| 137.5° | 1077.6 | 1075.3 | 1073.0 | 1070.6 | 1068.2 | 1065.6 | 1063.2 | 1060.6 | 1063.2 | 1065.6 | 1068.2 |
| 140°   | 1109.3 | 1106.8 | 1104.4 | 1102.3 | 1100.5 | 1098.7 | 1096.9 | 1095.1 | 1096.9 | 1098.7 | 1100.5 |
| 142.5° | 1138.2 | 1135.4 | 1132.7 | 1130.4 | 1128.8 | 1127.2 | 1125.6 | 1124.0 | 1125.6 | 1127.2 | 1128.8 |
| 145°   | 1177.7 | 1173.9 | 1170.2 | 1168.4 | 1168.7 | 1168.8 | 1169.0 | 1169.3 | 1169.0 | 1168.8 | 1168.7 |
| 147.5° | 1214.3 | 1210.6 | 1206.8 | 1205.4 | 1206.3 | 1207.1 | 1208.0 | 1208.8 | 1208.0 | 1207.1 | 1206.3 |
| 150°   | 1236.3 | 1232.8 | 1229.2 | 1228.2 | 1229.7 | 1231.3 | 1232.8 | 1234.4 | 1232.8 | 1231.3 | 1229.7 |
| 152.5° | 1256.7 | 1253.3 | 1249.9 | 1249.2 | 1250.8 | 1252.5 | 1254.3 | 1256.0 | 1254.3 | 1252.5 | 1250.8 |
| 155°   | 1285.2 | 1282.5 | 1279.9 | 1279.5 | 1281.5 | 1283.6 | 1285.5 | 1287.5 | 1285.5 | 1283.6 | 1281.5 |
| 157.5° | 1309.2 | 1307.4 | 1305.5 | 1305.4 | 1307.1 | 1308.8 | 1310.5 | 1312.2 | 1310.5 | 1308.8 | 1307.1 |
| 160°   | 1323.9 | 1322.6 | 1321.3 | 1321.3 | 1322.6 | 1323.9 | 1325.3 | 1326.6 | 1325.3 | 1323.9 | 1322.6 |
| 162.5° | 1336.3 | 1335.1 | 1334.0 | 1334.1 | 1335.4 | 1336.7 | 1338.1 | 1339.4 | 1338.1 | 1336.7 | 1335.4 |
| 165°   | 1352.4 | 1351.6 | 1350.9 | 1351.3 | 1352.6 | 1354.0 | 1355.3 | 1356.7 | 1355.3 | 1354.0 | 1352.6 |
| 167.5° | 1365.0 | 1364.4 | 1363.8 | 1364.1 | 1365.5 | 1366.8 | 1368.2 | 1369.5 | 1368.2 | 1366.8 | 1365.5 |
| 170°   | 1371.8 | 1371.4 | 1370.9 | 1371.4 | 1372.7 | 1374.0 | 1375.4 | 1376.7 | 1375.4 | 1374.0 | 1372.7 |
| 172.5° | 1376.6 | 1376.2 | 1375.7 | 1376.2 | 1377.5 | 1378.8 | 1380.2 | 1381.5 | 1380.2 | 1378.8 | 1377.5 |
| 175°   | 1381.9 | 1381.4 | 1380.9 | 1381.5 | 1383.1 | 1384.6 | 1386.2 | 1387.7 | 1386.2 | 1384.6 | 1383.1 |
| 177.5° | 1383.6 | 1383.4 | 1383.2 | 1383.7 | 1385.0 | 1386.2 | 1387.5 | 1388.7 | 1387.5 | 1386.2 | 1385.0 |
| 180°   | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 |



TEST NUMBER: P331639-830

CATALOG NUMBER: S122RDIP-S290D1080U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 |
| 2.5°   | 607.5 | 606.2 | 604.0 | 600.6 | 598.5 | 594.9 | 592.6 | 593.9 | 594.3 | 593.9 | 593.6 |
| 5°     | 591.2 | 586.6 | 580.4 | 574.4 | 568.8 | 562.9 | 559.4 | 558.0 | 555.0 | 553.3 | 552.3 |
| 7.5°   | 571.4 | 563.6 | 554.9 | 544.4 | 535.6 | 526.2 | 521.5 | 519.2 | 513.0 | 509.7 | 506.8 |
| 10°    | 556.7 | 544.4 | 535.6 | 522.0 | 513.6 | 501.4 | 493.0 | 493.3 | 484.9 | 480.2 | 476.8 |
| 12.5°  | 540.4 | 527.0 | 512.4 | 500.0 | 488.4 | 478.6 | 468.5 | 464.5 | 455.6 | 451.1 | 441.9 |
| 15°    | 513.4 | 497.8 | 482.4 | 465.7 | 453.9 | 438.7 | 424.1 | 406.3 | 392.0 | 379.6 | 376.2 |
| 17.5°  | 484.0 | 464.6 | 449.1 | 429.5 | 409.3 | 383.8 | 366.9 | 356.6 | 348.0 | 341.4 | 336.5 |
| 20°    | 463.7 | 444.0 | 427.5 | 398.0 | 370.8 | 353.5 | 341.1 | 333.1 | 324.1 | 317.1 | 313.2 |
| 22.5°  | 442.5 | 422.0 | 399.4 | 366.5 | 345.3 | 331.4 | 320.4 | 311.2 | 305.1 | 299.6 | 296.1 |
| 25°    | 412.4 | 389.8 | 352.8 | 330.2 | 313.0 | 298.4 | 290.8 | 285.2 | 278.8 | 271.3 | 267.9 |
| 27.5°  | 380.5 | 344.8 | 318.1 | 301.2 | 284.9 | 275.5 | 268.5 | 260.2 | 254.5 | 251.1 | 247.5 |
| 30°    | 356.7 | 320.9 | 300.2 | 281.7 | 270.2 | 259.7 | 251.6 | 246.9 | 241.3 | 235.5 | 233.2 |
| 32.5°  | 330.2 | 301.6 | 281.6 | 266.4 | 254.6 | 245.6 | 239.2 | 231.6 | 227.6 | 224.0 | 219.1 |
| 35°    | 297.2 | 275.5 | 257.3 | 245.0 | 233.8 | 226.5 | 219.0 | 214.5 | 207.3 | 204.2 | 202.4 |
| 37.5°  | 269.3 | 250.5 | 237.0 | 223.9 | 215.0 | 207.0 | 202.4 | 195.2 | 192.1 | 187.8 | 183.8 |
| 40°    | 253.4 | 235.1 | 222.1 | 211.3 | 201.4 | 195.5 | 189.7 | 183.9 | 179.2 | 177.3 | 172.4 |
| 42.5°  | 237.4 | 222.4 | 209.3 | 197.7 | 191.1 | 184.6 | 177.4 | 173.1 | 168.2 | 165.1 | 162.1 |
| 45°    | 215.2 | 201.9 | 190.8 | 181.2 | 173.8 | 167.2 | 162.5 | 155.4 | 152.7 | 146.5 | 143.8 |
| 47.5°  | 195.7 | 183.3 | 172.7 | 163.5 | 156.5 | 152.1 | 145.2 | 139.7 | 135.3 | 131.4 | 128.1 |
| 50°    | 181.8 | 171.4 | 161.2 | 153.1 | 146.7 | 140.4 | 133.4 | 130.6 | 123.8 | 121.8 | 119.9 |
| 52.5°  | 169.1 | 159.3 | 150.0 | 141.9 | 135.5 | 129.5 | 123.3 | 119.6 | 115.0 | 113.1 | 111.7 |
| 55°    | 151.4 | 141.9 | 133.0 | 125.9 | 119.5 | 113.3 | 109.4 | 104.9 | 102.7 | 101.2 | 99.5  |
| 57.5°  | 133.6 | 125.1 | 118.2 | 111.0 | 104.5 | 99.6  | 95.2  | 92.5  | 90.3  | 88.3  | 86.2  |
| 60°    | 122.2 | 114.1 | 107.9 | 101.2 | 94.6  | 90.6  | 87.2  | 83.9  | 81.3  | 78.3  | 77.5  |
| 62.5°  | 110.3 | 103.1 | 97.5  | 91.0  | 85.2  | 81.5  | 78.2  | 75.2  | 72.1  | 67.8  | 66.5  |
| 65°    | 93.8  | 88.2  | 82.2  | 76.8  | 71.7  | 68.1  | 63.3  | 59.9  | 58.6  | 58.2  | 58.1  |
| 67.5°  | 78.9  | 73.6  | 68.4  | 63.0  | 58.3  | 55.0  | 52.5  | 52.0  | 51.1  | 50.9  | 50.2  |
| 70°    | 68.9  | 64.0  | 58.9  | 53.7  | 49.2  | 48.6  | 47.8  | 46.8  | 45.8  | 45.4  | 45.0  |
| 72.5°  | 60.0  | 55.0  | 49.8  | 45.7  | 43.7  | 43.0  | 42.1  | 41.2  | 40.5  | 40.1  | 39.9  |
| 75°    | 46.0  | 41.3  | 37.9  | 36.4  | 35.3  | 34.7  | 33.4  | 32.8  | 32.3  | 31.7  | 31.5  |
| 77.5°  | 33.2  | 30.4  | 28.9  | 28.0  | 26.9  | 26.2  | 25.4  | 24.8  | 24.3  | 24.2  | 23.8  |
| 80°    | 25.3  | 23.9  | 22.9  | 21.6  | 21.2  | 20.4  | 20.2  | 19.5  | 19.7  | 19.0  | 19.0  |
| 82.5°  | 19.6  | 18.0  | 17.1  | 16.5  | 16.0  | 15.4  | 15.2  | 14.9  | 14.9  | 14.4  | 14.4  |
| 85°    | 10.1  | 9.6   | 9.2   | 8.8   | 8.8   | 8.1   | 8.4   | 8.1   | 8.1   | 7.7   | 7.5   |
| 87.5°  | 5.4   | 5.7   | 5.7   | 6.0   | 6.4   | 6.6   | 6.8   | 6.9   | 7.1   | 7.3   | 7.3   |
| 90°    | 10.8  | 12.9  | 14.7  | 16.5  | 18.3  | 20.1  | 21.1  | 22.2  | 23.4  | 24.5  | 25.3  |
| 92.5°  | 19.3  | 19.7  | 20.5  | 21.5  | 22.3  | 23.3  | 23.8  | 24.4  | 25.0  | 25.5  | 26.0  |
| 95°    | 35.7  | 32.8  | 34.4  | 36.0  | 37.5  | 39.1  | 40.2  | 41.3  | 42.4  | 43.5  | 44.0  |
| 97.5°  | 46.5  | 37.9  | 41.5  | 45.1  | 48.7  | 52.3  | 53.2  | 54.1  | 55.0  | 55.9  | 56.5  |
| 100°   | 55.3  | 41.9  | 45.7  | 49.6  | 53.3  | 57.1  | 58.9  | 60.7  | 62.5  | 64.3  | 65.3  |
| 102.5° | 204.4 | 185.4 | 153.7 | 122.1 | 90.4  | 58.7  | 61.1  | 63.3  | 65.7  | 68.0  | 69.5  |
| 105°   | 331.3 | 304.3 | 243.5 | 182.7 | 121.9 | 61.1  | 63.5  | 66.0  | 68.4  | 70.9  | 72.6  |
| 107.5° | 410.9 | 377.2 | 304.3 | 231.4 | 158.4 | 85.6  | 83.0  | 80.6  | 78.0  | 75.6  | 74.8  |
| 110°   | 462.6 | 432.7 | 368.3 | 304.1 | 239.7 | 175.3 | 153.1 | 130.8 | 108.6 | 86.2  | 75.6  |



TEST NUMBER: P331639-830

CATALOG NUMBER: S122RDIP-S290D1080U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 511.7  | 505.9  | 489.9  | 474.1  | 458.2  | 442.2  | 361.1  | 279.8  | 198.6  | 117.3  | 77.1   |
| 115°   | 591.3  | 596.0  | 601.5  | 607.1  | 612.7  | 618.2  | 515.1  | 412.0  | 309.0  | 205.9  | 146.3  |
| 117.5° | 665.4  | 669.4  | 673.3  | 677.1  | 680.9  | 684.8  | 659.8  | 634.9  | 609.9  | 585.0  | 546.2  |
| 120°   | 714.7  | 718.4  | 722.5  | 726.4  | 730.5  | 734.4  | 737.1  | 739.8  | 742.4  | 745.2  | 731.4  |
| 122.5° | 760.3  | 764.3  | 768.6  | 773.0  | 777.4  | 781.7  | 783.3  | 784.9  | 786.6  | 788.2  | 786.0  |
| 125°   | 826.1  | 829.7  | 834.0  | 838.2  | 842.4  | 846.7  | 848.2  | 849.8  | 851.3  | 852.9  | 854.0  |
| 127.5° | 889.4  | 892.5  | 895.7  | 898.8  | 902.0  | 905.2  | 907.5  | 909.7  | 912.0  | 914.3  | 915.5  |
| 130°   | 930.0  | 933.0  | 935.5  | 937.9  | 940.4  | 942.8  | 945.3  | 947.7  | 950.2  | 952.6  | 953.8  |
| 132.5° | 968.0  | 970.7  | 973.2  | 975.6  | 978.1  | 980.5  | 982.6  | 984.7  | 986.8  | 988.9  | 989.9  |
| 135°   | 1022.2 | 1025.0 | 1027.0 | 1029.0 | 1031.0 | 1033.0 | 1035.3 | 1037.5 | 1039.7 | 1041.9 | 1042.8 |
| 137.5° | 1070.6 | 1073.0 | 1075.3 | 1077.6 | 1079.9 | 1082.1 | 1084.3 | 1086.5 | 1088.6 | 1090.8 | 1091.6 |
| 140°   | 1102.3 | 1104.4 | 1106.8 | 1109.3 | 1111.7 | 1114.2 | 1116.2 | 1118.2 | 1120.2 | 1122.2 | 1122.7 |
| 142.5° | 1130.4 | 1132.7 | 1135.4 | 1138.2 | 1141.0 | 1143.9 | 1145.7 | 1147.5 | 1149.3 | 1151.1 | 1151.5 |
| 145°   | 1168.4 | 1170.2 | 1173.9 | 1177.7 | 1181.6 | 1185.3 | 1186.8 | 1188.5 | 1190.0 | 1191.6 | 1191.8 |
| 147.5° | 1205.4 | 1206.8 | 1210.6 | 1214.3 | 1218.0 | 1221.8 | 1222.9 | 1224.1 | 1225.3 | 1226.4 | 1226.5 |
| 150°   | 1228.2 | 1229.2 | 1232.8 | 1236.3 | 1239.9 | 1243.4 | 1244.8 | 1246.1 | 1247.5 | 1248.8 | 1248.9 |
| 152.5° | 1249.2 | 1249.9 | 1253.3 | 1256.7 | 1260.1 | 1263.5 | 1264.8 | 1266.1 | 1267.5 | 1268.9 | 1268.8 |
| 155°   | 1279.5 | 1279.9 | 1282.5 | 1285.2 | 1287.9 | 1290.5 | 1291.8 | 1293.2 | 1294.6 | 1295.9 | 1295.6 |
| 157.5° | 1305.4 | 1305.5 | 1307.4 | 1309.2 | 1311.1 | 1313.0 | 1314.5 | 1316.0 | 1317.5 | 1319.0 | 1318.9 |
| 160°   | 1321.3 | 1321.3 | 1322.6 | 1323.9 | 1325.3 | 1326.6 | 1327.9 | 1329.3 | 1330.6 | 1331.9 | 1331.8 |
| 162.5° | 1334.1 | 1334.0 | 1335.1 | 1336.3 | 1337.5 | 1338.6 | 1340.1 | 1341.6 | 1343.1 | 1344.7 | 1344.4 |
| 165°   | 1351.3 | 1350.9 | 1351.6 | 1352.4 | 1353.0 | 1353.7 | 1355.2 | 1356.8 | 1358.3 | 1359.9 | 1359.9 |
| 167.5° | 1364.1 | 1363.8 | 1364.4 | 1365.0 | 1365.6 | 1366.3 | 1367.8 | 1369.4 | 1370.9 | 1372.5 | 1372.2 |
| 170°   | 1371.4 | 1370.9 | 1371.4 | 1371.8 | 1372.2 | 1372.7 | 1374.2 | 1375.8 | 1377.3 | 1378.9 | 1378.7 |
| 172.5° | 1376.2 | 1375.7 | 1376.2 | 1376.6 | 1377.1 | 1377.5 | 1379.0 | 1380.6 | 1382.1 | 1383.7 | 1383.6 |
| 175°   | 1381.5 | 1380.9 | 1381.4 | 1381.9 | 1382.2 | 1382.7 | 1384.3 | 1385.8 | 1387.4 | 1388.9 | 1388.6 |
| 177.5° | 1383.7 | 1383.2 | 1383.4 | 1383.6 | 1383.7 | 1383.9 | 1385.2 | 1386.4 | 1387.6 | 1388.9 | 1388.7 |
| 180°   | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 |



TEST NUMBER: P331639-830

CATALOG NUMBER: S122RDIP-S290D1080U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 |
| 2.5°   | 591.7 | 592.0 | 591.5 | 591.8 | 591.5 | 592.0 | 591.7 | 593.6 | 593.9 | 594.3 | 593.9 |
| 5°     | 551.3 | 548.7 | 548.3 | 547.7 | 548.3 | 548.7 | 551.3 | 552.3 | 553.3 | 555.0 | 558.0 |
| 7.5°   | 503.1 | 502.8 | 501.6 | 500.1 | 501.6 | 502.8 | 503.1 | 506.8 | 509.7 | 513.0 | 519.2 |
| 10°    | 472.1 | 471.0 | 470.8 | 469.3 | 470.8 | 471.0 | 472.1 | 476.8 | 480.2 | 484.9 | 493.3 |
| 12.5°  | 435.7 | 428.9 | 428.2 | 424.4 | 428.2 | 428.9 | 435.7 | 441.9 | 451.1 | 455.6 | 464.5 |
| 15°    | 371.1 | 369.8 | 365.4 | 362.7 | 365.4 | 369.8 | 371.1 | 376.2 | 379.6 | 392.0 | 406.3 |
| 17.5°  | 334.0 | 329.8 | 328.5 | 327.9 | 328.5 | 329.8 | 334.0 | 336.5 | 341.4 | 348.0 | 356.6 |
| 20°    | 310.2 | 306.4 | 305.8 | 305.3 | 305.8 | 306.4 | 310.2 | 313.2 | 317.1 | 324.1 | 333.1 |
| 22.5°  | 293.8 | 289.7 | 288.1 | 286.8 | 288.1 | 289.7 | 293.8 | 296.1 | 299.6 | 305.1 | 311.2 |
| 25°    | 265.7 | 264.2 | 263.3 | 262.9 | 263.3 | 264.2 | 265.7 | 267.9 | 271.3 | 278.8 | 285.2 |
| 27.5°  | 243.7 | 240.4 | 239.8 | 238.7 | 239.8 | 240.4 | 243.7 | 247.5 | 251.1 | 254.5 | 260.2 |
| 30°    | 231.2 | 230.2 | 228.7 | 227.3 | 228.7 | 230.2 | 231.2 | 233.2 | 235.5 | 241.3 | 246.9 |
| 32.5°  | 216.5 | 215.6 | 214.2 | 213.7 | 214.2 | 215.6 | 216.5 | 219.1 | 224.0 | 227.6 | 231.6 |
| 35°    | 200.2 | 197.2 | 195.9 | 194.0 | 195.9 | 197.2 | 200.2 | 202.4 | 204.2 | 207.3 | 214.5 |
| 37.5°  | 182.9 | 181.3 | 179.6 | 180.2 | 179.6 | 181.3 | 182.9 | 183.8 | 187.8 | 192.1 | 195.2 |
| 40°    | 169.6 | 168.5 | 168.1 | 167.9 | 168.1 | 168.5 | 169.6 | 172.4 | 177.3 | 179.2 | 183.9 |
| 42.5°  | 158.9 | 156.0 | 154.9 | 154.9 | 154.9 | 156.0 | 158.9 | 162.1 | 165.1 | 168.2 | 173.1 |
| 45°    | 142.8 | 140.1 | 138.1 | 138.3 | 138.1 | 140.1 | 142.8 | 143.8 | 146.5 | 152.7 | 155.4 |
| 47.5°  | 126.3 | 126.2 | 125.0 | 125.4 | 125.0 | 126.2 | 126.3 | 128.1 | 131.4 | 135.3 | 139.7 |
| 50°    | 118.4 | 117.2 | 116.2 | 116.5 | 116.2 | 117.2 | 118.4 | 119.9 | 121.8 | 123.8 | 130.6 |
| 52.5°  | 110.8 | 109.7 | 109.1 | 110.0 | 109.1 | 109.7 | 110.8 | 111.7 | 113.1 | 115.0 | 119.6 |
| 55°    | 98.5  | 97.2  | 97.0  | 96.8  | 97.0  | 97.2  | 98.5  | 99.5  | 101.2 | 102.7 | 104.9 |
| 57.5°  | 84.6  | 83.8  | 82.5  | 82.0  | 82.5  | 83.8  | 84.6  | 86.2  | 88.3  | 90.3  | 92.5  |
| 60°    | 74.7  | 73.0  | 70.9  | 70.7  | 70.9  | 73.0  | 74.7  | 77.5  | 78.3  | 81.3  | 83.9  |
| 62.5°  | 65.6  | 65.3  | 64.8  | 64.8  | 64.8  | 65.3  | 65.6  | 66.5  | 67.8  | 72.1  | 75.2  |
| 65°    | 57.6  | 57.4  | 57.6  | 57.8  | 57.6  | 57.4  | 57.6  | 58.1  | 58.2  | 58.6  | 59.9  |
| 67.5°  | 50.1  | 49.8  | 49.4  | 49.6  | 49.4  | 49.8  | 50.1  | 50.2  | 50.9  | 51.1  | 52.0  |
| 70°    | 44.5  | 44.3  | 44.1  | 44.1  | 44.1  | 44.3  | 44.5  | 45.0  | 45.4  | 45.8  | 46.8  |
| 72.5°  | 39.0  | 39.0  | 38.8  | 38.6  | 38.8  | 39.0  | 39.0  | 39.9  | 40.1  | 40.5  | 41.2  |
| 75°    | 31.3  | 30.8  | 30.8  | 30.8  | 30.8  | 30.8  | 31.3  | 31.5  | 31.7  | 32.3  | 32.8  |
| 77.5°  | 23.8  | 23.6  | 23.4  | 23.2  | 23.4  | 23.6  | 23.8  | 23.8  | 24.2  | 24.3  | 24.8  |
| 80°    | 18.9  | 18.7  | 18.4  | 18.4  | 18.4  | 18.7  | 18.9  | 19.0  | 19.0  | 19.7  | 19.5  |
| 82.5°  | 14.4  | 14.1  | 14.1  | 13.9  | 14.1  | 14.1  | 14.4  | 14.4  | 14.4  | 14.9  | 14.9  |
| 85°    | 7.7   | 7.9   | 7.7   | 8.1   | 7.7   | 7.9   | 7.7   | 7.5   | 7.7   | 8.1   | 8.1   |
| 87.5°  | 7.4   | 7.3   | 7.5   | 7.4   | 7.5   | 7.3   | 7.4   | 7.3   | 7.3   | 7.1   | 6.9   |
| 90°    | 25.7  | 26.2  | 26.6  | 27.1  | 26.6  | 26.2  | 25.7  | 25.3  | 24.5  | 23.4  | 22.2  |
| 92.5°  | 26.3  | 26.5  | 26.8  | 27.1  | 26.8  | 26.5  | 26.3  | 26.0  | 25.5  | 25.0  | 24.4  |
| 95°    | 43.7  | 43.5  | 43.3  | 43.1  | 43.3  | 43.5  | 43.7  | 44.0  | 43.5  | 42.4  | 41.3  |
| 97.5°  | 56.7  | 57.0  | 57.2  | 57.5  | 57.2  | 57.0  | 56.7  | 56.5  | 55.9  | 55.0  | 54.1  |
| 100°   | 65.8  | 66.3  | 66.7  | 67.1  | 66.7  | 66.3  | 65.8  | 65.3  | 64.3  | 62.5  | 60.7  |
| 102.5° | 70.0  | 70.7  | 71.4  | 71.9  | 71.4  | 70.7  | 70.0  | 69.5  | 68.0  | 65.7  | 63.3  |
| 105°   | 73.5  | 74.4  | 75.2  | 76.2  | 75.2  | 74.4  | 73.5  | 72.6  | 70.9  | 68.4  | 66.0  |
| 107.5° | 75.7  | 76.5  | 77.5  | 78.3  | 77.5  | 76.5  | 75.7  | 74.8  | 75.6  | 78.0  | 80.6  |
| 110°   | 76.4  | 77.4  | 78.2  | 79.2  | 78.2  | 77.4  | 76.4  | 75.6  | 86.2  | 108.6 | 130.8 |



TEST NUMBER: P331639-830

CATALOG NUMBER: S122RDIP-S290D1080U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 77.9   | 78.5   | 79.3   | 79.9   | 79.3   | 78.5   | 77.9   | 77.1   | 117.3  | 198.6  | 279.8  |
| 115°   | 130.3  | 114.2  | 98.2   | 82.2   | 98.2   | 114.2  | 130.3  | 146.3  | 205.9  | 309.0  | 412.0  |
| 117.5° | 493.5  | 440.8  | 388.1  | 335.5  | 388.1  | 440.8  | 493.5  | 546.2  | 585.0  | 609.9  | 634.9  |
| 120°   | 701.3  | 671.3  | 641.2  | 611.2  | 641.2  | 671.3  | 701.3  | 731.4  | 745.2  | 742.4  | 739.8  |
| 122.5° | 780.2  | 774.4  | 768.5  | 762.7  | 768.5  | 774.4  | 780.2  | 786.0  | 788.2  | 786.6  | 784.9  |
| 125°   | 854.7  | 855.4  | 856.0  | 856.7  | 856.0  | 855.4  | 854.7  | 854.0  | 852.9  | 851.3  | 849.8  |
| 127.5° | 915.6  | 915.8  | 915.9  | 916.0  | 915.9  | 915.8  | 915.6  | 915.5  | 914.3  | 912.0  | 909.7  |
| 130°   | 953.6  | 953.3  | 953.1  | 952.9  | 953.1  | 953.3  | 953.6  | 953.8  | 952.6  | 950.2  | 947.7  |
| 132.5° | 989.6  | 989.4  | 989.2  | 988.9  | 989.2  | 989.4  | 989.6  | 989.9  | 988.9  | 986.8  | 984.7  |
| 135°   | 1042.4 | 1041.9 | 1041.5 | 1041.0 | 1041.5 | 1041.9 | 1042.4 | 1042.8 | 1041.9 | 1039.7 | 1037.5 |
| 137.5° | 1090.8 | 1090.1 | 1089.3 | 1088.5 | 1089.3 | 1090.1 | 1090.8 | 1091.6 | 1090.8 | 1088.6 | 1086.5 |
| 140°   | 1121.5 | 1120.4 | 1119.3 | 1118.2 | 1119.3 | 1120.4 | 1121.5 | 1122.7 | 1122.2 | 1120.2 | 1118.2 |
| 142.5° | 1150.4 | 1149.2 | 1148.2 | 1147.1 | 1148.2 | 1149.2 | 1150.4 | 1151.5 | 1151.1 | 1149.3 | 1147.5 |
| 145°   | 1190.7 | 1189.6 | 1188.5 | 1187.3 | 1188.5 | 1189.6 | 1190.7 | 1191.8 | 1191.6 | 1190.0 | 1188.5 |
| 147.5° | 1225.6 | 1224.6 | 1223.7 | 1222.8 | 1223.7 | 1224.6 | 1225.6 | 1226.5 | 1226.4 | 1225.3 | 1224.1 |
| 150°   | 1247.7 | 1246.7 | 1245.6 | 1244.4 | 1245.6 | 1246.7 | 1247.7 | 1248.9 | 1248.8 | 1247.5 | 1246.1 |
| 152.5° | 1267.2 | 1265.8 | 1264.3 | 1262.9 | 1264.3 | 1265.8 | 1267.2 | 1268.8 | 1268.9 | 1267.5 | 1266.1 |
| 155°   | 1293.8 | 1292.1 | 1290.3 | 1288.5 | 1290.3 | 1292.1 | 1293.8 | 1295.6 | 1295.9 | 1294.6 | 1293.2 |
| 157.5° | 1317.2 | 1315.4 | 1313.7 | 1311.9 | 1313.7 | 1315.4 | 1317.2 | 1318.9 | 1319.0 | 1317.5 | 1316.0 |
| 160°   | 1330.3 | 1328.7 | 1327.2 | 1325.6 | 1327.2 | 1328.7 | 1330.3 | 1331.8 | 1331.9 | 1330.6 | 1329.3 |
| 162.5° | 1342.6 | 1340.7 | 1338.7 | 1336.8 | 1338.7 | 1340.7 | 1342.6 | 1344.4 | 1344.7 | 1343.1 | 1341.6 |
| 165°   | 1358.3 | 1356.8 | 1355.2 | 1353.7 | 1355.2 | 1356.8 | 1358.3 | 1359.9 | 1359.9 | 1358.3 | 1356.8 |
| 167.5° | 1370.3 | 1368.3 | 1366.3 | 1364.2 | 1366.3 | 1368.3 | 1370.3 | 1372.2 | 1372.5 | 1370.9 | 1369.4 |
| 170°   | 1376.7 | 1374.7 | 1372.7 | 1370.6 | 1372.7 | 1374.7 | 1376.7 | 1378.7 | 1378.9 | 1377.3 | 1375.8 |
| 172.5° | 1381.5 | 1379.5 | 1377.5 | 1375.5 | 1377.5 | 1379.5 | 1381.5 | 1383.6 | 1383.7 | 1382.1 | 1380.6 |
| 175°   | 1386.4 | 1384.1 | 1382.0 | 1379.7 | 1382.0 | 1384.1 | 1386.4 | 1388.6 | 1388.9 | 1387.4 | 1385.8 |
| 177.5° | 1387.1 | 1385.5 | 1383.9 | 1382.3 | 1383.9 | 1385.5 | 1387.1 | 1388.7 | 1388.9 | 1387.6 | 1386.4 |
| 180°   | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 |



TEST NUMBER: P331639-830

CATALOG NUMBER: S122RDIP-S290D1080U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 |
| 2.5°   | 592.6 | 594.9 | 598.5 | 600.6 | 604.0 | 606.2 | 607.5 | 609.6 | 610.9 | 615.2 | 619.6 |
| 5°     | 559.4 | 562.9 | 568.8 | 574.4 | 580.4 | 586.6 | 591.2 | 596.3 | 601.0 | 609.1 | 617.6 |
| 7.5°   | 521.5 | 526.2 | 535.6 | 544.4 | 554.9 | 563.6 | 571.4 | 580.1 | 588.0 | 599.6 | 611.8 |
| 10°    | 493.0 | 501.4 | 513.6 | 522.0 | 535.6 | 544.4 | 556.7 | 566.3 | 577.2 | 592.7 | 606.3 |
| 12.5°  | 468.5 | 478.6 | 488.4 | 500.0 | 512.4 | 527.0 | 540.4 | 552.8 | 565.7 | 581.6 | 597.8 |
| 15°    | 424.1 | 438.7 | 453.9 | 465.7 | 482.4 | 497.8 | 513.4 | 530.1 | 545.9 | 565.1 | 586.0 |
| 17.5°  | 366.9 | 383.8 | 409.3 | 429.5 | 449.1 | 464.6 | 484.0 | 504.2 | 522.8 | 545.8 | 569.2 |
| 20°    | 341.1 | 353.5 | 370.8 | 398.0 | 427.5 | 444.0 | 463.7 | 486.0 | 507.4 | 532.4 | 557.5 |
| 22.5°  | 320.4 | 331.4 | 345.3 | 366.5 | 399.4 | 422.0 | 442.5 | 465.1 | 489.9 | 515.5 | 543.3 |
| 25°    | 290.8 | 298.4 | 313.0 | 330.2 | 352.8 | 389.8 | 412.4 | 435.1 | 462.0 | 489.5 | 521.1 |
| 27.5°  | 268.5 | 275.5 | 284.9 | 301.2 | 318.1 | 344.8 | 380.5 | 405.3 | 432.2 | 463.0 | 495.9 |
| 30°    | 251.6 | 259.7 | 270.2 | 281.7 | 300.2 | 320.9 | 356.7 | 385.4 | 411.9 | 443.7 | 478.7 |
| 32.5°  | 239.2 | 245.6 | 254.6 | 266.4 | 281.6 | 301.6 | 330.2 | 365.0 | 390.9 | 424.2 | 460.9 |
| 35°    | 219.0 | 226.5 | 233.8 | 245.0 | 257.3 | 275.5 | 297.2 | 334.4 | 360.1 | 393.0 | 429.9 |
| 37.5°  | 202.4 | 207.0 | 215.0 | 223.9 | 237.0 | 250.5 | 269.3 | 302.7 | 330.5 | 362.8 | 400.5 |
| 40°    | 189.7 | 195.5 | 201.4 | 211.3 | 222.1 | 235.1 | 253.4 | 278.3 | 310.2 | 342.0 | 378.7 |
| 42.5°  | 177.4 | 184.6 | 191.1 | 197.7 | 209.3 | 222.4 | 237.4 | 258.4 | 291.1 | 321.0 | 356.8 |
| 45°    | 162.5 | 167.2 | 173.8 | 181.2 | 190.8 | 201.9 | 215.2 | 233.6 | 264.9 | 290.8 | 324.3 |
| 47.5°  | 145.2 | 152.1 | 156.5 | 163.5 | 172.7 | 183.3 | 195.7 | 211.6 | 236.9 | 261.2 | 292.4 |
| 50°    | 133.4 | 140.4 | 146.7 | 153.1 | 161.2 | 171.4 | 181.8 | 197.2 | 217.5 | 243.0 | 272.1 |
| 52.5°  | 123.3 | 129.5 | 135.5 | 141.9 | 150.0 | 159.3 | 169.1 | 182.7 | 200.0 | 223.5 | 251.8 |
| 55°    | 109.4 | 113.3 | 119.5 | 125.9 | 133.0 | 141.9 | 151.4 | 162.7 | 177.7 | 197.4 | 220.3 |
| 57.5°  | 95.2  | 99.6  | 104.5 | 111.0 | 118.2 | 125.1 | 133.6 | 143.8 | 155.6 | 173.4 | 193.0 |
| 60°    | 87.2  | 90.6  | 94.6  | 101.2 | 107.9 | 114.1 | 122.2 | 130.8 | 141.9 | 157.4 | 174.1 |
| 62.5°  | 78.2  | 81.5  | 85.2  | 91.0  | 97.5  | 103.1 | 110.3 | 119.3 | 128.8 | 142.8 | 157.4 |
| 65°    | 63.3  | 68.1  | 71.7  | 76.8  | 82.2  | 88.2  | 93.8  | 101.0 | 109.4 | 120.6 | 133.6 |
| 67.5°  | 52.5  | 55.0  | 58.3  | 63.0  | 68.4  | 73.6  | 78.9  | 84.5  | 91.8  | 100.4 | 110.7 |
| 70°    | 47.8  | 48.6  | 49.2  | 53.7  | 58.9  | 64.0  | 68.9  | 74.3  | 80.5  | 87.6  | 96.5  |
| 72.5°  | 42.1  | 43.0  | 43.7  | 45.7  | 49.8  | 55.0  | 60.0  | 64.0  | 69.8  | 75.8  | 83.0  |
| 75°    | 33.4  | 34.7  | 35.3  | 36.4  | 37.9  | 41.3  | 46.0  | 49.9  | 53.3  | 57.8  | 63.6  |
| 77.5°  | 25.4  | 26.2  | 26.9  | 28.0  | 28.9  | 30.4  | 33.2  | 36.6  | 39.9  | 42.4  | 46.4  |
| 80°    | 20.2  | 20.4  | 21.2  | 21.6  | 22.9  | 23.9  | 25.3  | 28.1  | 31.3  | 32.3  | 35.2  |
| 82.5°  | 15.2  | 15.4  | 16.0  | 16.5  | 17.1  | 18.0  | 19.6  | 20.4  | 22.9  | 24.3  | 26.0  |
| 85°    | 8.4   | 8.1   | 8.8   | 8.8   | 9.2   | 9.6   | 10.1  | 11.1  | 11.8  | 13.5  | 13.9  |
| 87.5°  | 6.8   | 6.6   | 6.4   | 6.0   | 5.7   | 5.7   | 5.4   | 5.1   | 4.9   | 5.0   | 5.2   |
| 90°    | 21.1  | 20.1  | 18.3  | 16.5  | 14.7  | 12.9  | 10.8  | 8.4   | 5.9   | 3.5   | 1.0   |
| 92.5°  | 23.8  | 23.3  | 22.3  | 21.5  | 20.5  | 19.7  | 19.3  | 19.6  | 19.8  | 20.0  | 20.3  |
| 95°    | 40.2  | 39.1  | 37.5  | 36.0  | 34.4  | 32.8  | 35.7  | 43.1  | 50.4  | 57.8  | 65.1  |
| 97.5°  | 53.2  | 52.3  | 48.7  | 45.1  | 41.5  | 37.9  | 46.5  | 67.1  | 87.8  | 108.6 | 129.2 |
| 100°   | 58.9  | 57.1  | 53.3  | 49.6  | 45.7  | 41.9  | 55.3  | 85.9  | 116.3 | 146.8 | 177.4 |
| 102.5° | 61.1  | 58.7  | 90.4  | 122.1 | 153.7 | 185.4 | 204.4 | 210.8 | 217.4 | 223.8 | 230.3 |
| 105°   | 63.5  | 61.1  | 121.9 | 182.7 | 243.5 | 304.3 | 331.3 | 324.6 | 317.9 | 311.3 | 304.6 |
| 107.5° | 83.0  | 85.6  | 158.4 | 231.4 | 304.3 | 377.2 | 410.9 | 405.5 | 400.1 | 394.7 | 389.4 |
| 110°   | 153.1 | 175.3 | 239.7 | 304.1 | 368.3 | 432.7 | 462.6 | 457.9 | 453.3 | 448.6 | 443.8 |



TEST NUMBER: P331639-830

CATALOG NUMBER: S122RDIP-S290D1080U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 361.1  | 442.2  | 458.2  | 474.1  | 489.9  | 505.9  | 511.7  | 507.6  | 503.4  | 499.4  | 495.2  |
| 115°   | 515.1  | 618.2  | 612.7  | 607.1  | 601.5  | 596.0  | 591.3  | 587.5  | 583.7  | 579.9  | 576.2  |
| 117.5° | 659.8  | 684.8  | 680.9  | 677.1  | 673.3  | 669.4  | 665.4  | 661.2  | 657.0  | 652.7  | 648.5  |
| 120°   | 737.1  | 734.4  | 730.5  | 726.4  | 722.5  | 718.4  | 714.7  | 711.4  | 708.0  | 704.7  | 701.3  |
| 122.5° | 783.3  | 781.7  | 777.4  | 773.0  | 768.6  | 764.3  | 760.3  | 756.9  | 753.3  | 749.8  | 746.3  |
| 125°   | 848.2  | 846.7  | 842.4  | 838.2  | 834.0  | 829.7  | 826.1  | 823.3  | 820.4  | 817.5  | 814.6  |
| 127.5° | 907.5  | 905.2  | 902.0  | 898.8  | 895.7  | 892.5  | 889.4  | 886.2  | 883.0  | 879.8  | 876.6  |
| 130°   | 945.3  | 942.8  | 940.4  | 937.9  | 935.5  | 933.0  | 930.0  | 926.5  | 922.9  | 919.4  | 915.8  |
| 132.5° | 982.6  | 980.5  | 978.1  | 975.6  | 973.2  | 970.7  | 968.0  | 965.0  | 962.0  | 958.9  | 955.8  |
| 135°   | 1035.3 | 1033.0 | 1031.0 | 1029.0 | 1027.0 | 1025.0 | 1022.2 | 1018.7 | 1015.1 | 1011.5 | 1008.0 |
| 137.5° | 1084.3 | 1082.1 | 1079.9 | 1077.6 | 1075.3 | 1073.0 | 1070.6 | 1068.2 | 1065.6 | 1063.2 | 1060.6 |
| 140°   | 1116.2 | 1114.2 | 1111.7 | 1109.3 | 1106.8 | 1104.4 | 1102.3 | 1100.5 | 1098.7 | 1096.9 | 1095.1 |
| 142.5° | 1145.7 | 1143.9 | 1141.0 | 1138.2 | 1135.4 | 1132.7 | 1130.4 | 1128.8 | 1127.2 | 1125.6 | 1124.0 |
| 145°   | 1186.8 | 1185.3 | 1181.6 | 1177.7 | 1173.9 | 1170.2 | 1168.4 | 1168.7 | 1168.8 | 1169.0 | 1169.3 |
| 147.5° | 1222.9 | 1221.8 | 1218.0 | 1214.3 | 1210.6 | 1206.8 | 1205.4 | 1206.3 | 1207.1 | 1208.0 | 1208.8 |
| 150°   | 1244.8 | 1243.4 | 1239.9 | 1236.3 | 1232.8 | 1229.2 | 1228.2 | 1229.7 | 1231.3 | 1232.8 | 1234.4 |
| 152.5° | 1264.8 | 1263.5 | 1260.1 | 1256.7 | 1253.3 | 1249.9 | 1249.2 | 1250.8 | 1252.5 | 1254.3 | 1256.0 |
| 155°   | 1291.8 | 1290.5 | 1287.9 | 1285.2 | 1282.5 | 1279.9 | 1279.5 | 1281.5 | 1283.6 | 1285.5 | 1287.5 |
| 157.5° | 1314.5 | 1313.0 | 1311.1 | 1309.2 | 1307.4 | 1305.5 | 1305.4 | 1307.1 | 1308.8 | 1310.5 | 1312.2 |
| 160°   | 1327.9 | 1326.6 | 1325.3 | 1323.9 | 1322.6 | 1321.3 | 1321.3 | 1322.6 | 1323.9 | 1325.3 | 1326.6 |
| 162.5° | 1340.1 | 1338.6 | 1337.5 | 1336.3 | 1335.1 | 1334.0 | 1334.1 | 1335.4 | 1336.7 | 1338.1 | 1339.4 |
| 165°   | 1355.2 | 1353.7 | 1353.0 | 1352.4 | 1351.6 | 1350.9 | 1351.3 | 1352.6 | 1354.0 | 1355.3 | 1356.7 |
| 167.5° | 1367.8 | 1366.3 | 1365.6 | 1365.0 | 1364.4 | 1363.8 | 1364.1 | 1365.5 | 1366.8 | 1368.2 | 1369.5 |
| 170°   | 1374.2 | 1372.7 | 1372.2 | 1371.8 | 1371.4 | 1370.9 | 1371.4 | 1372.7 | 1374.0 | 1375.4 | 1376.7 |
| 172.5° | 1379.0 | 1377.5 | 1377.1 | 1376.6 | 1376.2 | 1375.7 | 1376.2 | 1377.5 | 1378.8 | 1380.2 | 1381.5 |
| 175°   | 1384.3 | 1382.7 | 1382.2 | 1381.9 | 1381.4 | 1380.9 | 1381.5 | 1383.1 | 1384.6 | 1386.2 | 1387.7 |
| 177.5° | 1385.2 | 1383.9 | 1383.7 | 1383.6 | 1383.4 | 1383.2 | 1383.7 | 1385.0 | 1386.2 | 1387.5 | 1388.7 |
| 180°   | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 |



TEST NUMBER: P331639-830

CATALOG NUMBER: S122RDIP-S290D1080U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 |
| 2.5°   | 619.8 | 620.3 | 623.7 | 625.3 | 628.3 | 629.5 | 630.9 | 630.6 | 630.6 | 631.2 | 636.0 |
| 5°     | 621.1 | 625.4 | 631.8 | 638.0 | 644.0 | 649.1 | 652.6 | 656.0 | 657.3 | 663.5 | 669.0 |
| 7.5°   | 618.9 | 626.8 | 637.3 | 646.9 | 658.2 | 667.0 | 674.4 | 681.1 | 685.6 | 694.7 | 703.9 |
| 10°    | 616.0 | 627.1 | 639.0 | 651.3 | 666.9 | 678.7 | 690.7 | 699.9 | 702.9 | 716.3 | 724.1 |
| 12.5°  | 610.1 | 625.0 | 640.3 | 656.1 | 671.4 | 687.6 | 700.8 | 710.0 | 720.6 | 732.6 | 746.9 |
| 15°    | 601.4 | 618.5 | 638.5 | 658.7 | 680.6 | 700.3 | 714.4 | 730.5 | 742.1 | 755.4 | 767.8 |
| 17.5°  | 588.9 | 611.0 | 636.2 | 659.8 | 685.0 | 706.2 | 725.7 | 741.0 | 749.1 | 756.8 | 758.6 |
| 20°    | 578.9 | 602.7 | 632.4 | 660.3 | 685.5 | 709.9 | 729.2 | 742.1 | 744.2 | 744.4 | 733.1 |
| 22.5°  | 568.2 | 595.0 | 626.1 | 654.6 | 684.9 | 712.0 | 727.0 | 732.4 | 724.0 | 709.5 | 687.5 |
| 25°    | 548.3 | 579.4 | 615.6 | 648.1 | 681.1 | 706.7 | 711.9 | 702.3 | 672.5 | 641.2 | 601.6 |
| 27.5°  | 526.8 | 561.8 | 600.5 | 636.7 | 671.8 | 687.8 | 676.7 | 641.9 | 588.3 | 541.7 | 485.2 |
| 30°    | 511.0 | 550.3 | 588.3 | 628.8 | 661.4 | 668.2 | 642.7 | 591.5 | 529.0 | 458.8 | 402.5 |
| 32.5°  | 493.0 | 534.1 | 576.0 | 617.8 | 645.1 | 638.4 | 596.3 | 533.3 | 460.1 | 391.0 | 337.8 |
| 35°    | 467.4 | 509.7 | 555.0 | 596.9 | 614.3 | 585.3 | 522.4 | 440.4 | 365.4 | 301.0 | 264.4 |
| 37.5°  | 437.7 | 483.9 | 530.8 | 569.4 | 568.2 | 520.0 | 434.2 | 349.6 | 286.6 | 248.5 | 222.4 |
| 40°    | 416.6 | 463.4 | 514.1 | 546.6 | 532.7 | 470.0 | 377.0 | 297.2 | 251.1 | 220.7 | 201.7 |
| 42.5°  | 396.4 | 443.3 | 493.7 | 519.5 | 495.3 | 418.2 | 325.6 | 263.1 | 225.1 | 201.4 | 186.0 |
| 45°    | 362.0 | 411.5 | 458.2 | 472.5 | 429.2 | 344.3 | 263.3 | 217.9 | 192.7 | 175.1 | 164.5 |
| 47.5°  | 328.4 | 377.1 | 419.7 | 419.9 | 361.5 | 279.2 | 222.2 | 188.6 | 167.0 | 153.4 | 145.7 |
| 50°    | 307.8 | 354.1 | 389.8 | 384.3 | 317.9 | 248.4 | 198.7 | 169.8 | 151.8 | 141.3 | 133.2 |
| 52.5°  | 284.7 | 329.6 | 360.6 | 344.8 | 281.1 | 218.6 | 177.6 | 153.4 | 138.5 | 129.3 | 122.1 |
| 55°    | 251.1 | 291.0 | 312.8 | 288.8 | 229.3 | 181.8 | 150.1 | 131.0 | 119.9 | 112.2 | 105.9 |
| 57.5°  | 218.1 | 251.0 | 264.7 | 236.8 | 188.9 | 150.7 | 127.0 | 112.6 | 101.6 | 96.0  | 92.8  |
| 60°    | 197.4 | 225.5 | 235.1 | 204.2 | 164.2 | 131.9 | 112.4 | 99.2  | 91.0  | 87.4  | 84.2  |
| 62.5°  | 177.0 | 199.9 | 203.9 | 175.7 | 143.2 | 115.5 | 98.7  | 87.5  | 82.1  | 78.6  | 75.6  |
| 65°    | 146.8 | 163.3 | 161.5 | 138.7 | 113.3 | 91.6  | 79.5  | 72.6  | 68.5  | 63.6  | 58.2  |
| 67.5°  | 120.9 | 131.0 | 124.9 | 107.9 | 86.4  | 71.3  | 63.2  | 58.1  | 53.0  | 48.4  | 47.1  |
| 70°    | 104.4 | 110.3 | 103.9 | 88.2  | 70.9  | 59.8  | 53.3  | 47.1  | 44.1  | 43.1  | 41.1  |
| 72.5°  | 88.7  | 90.8  | 83.8  | 70.4  | 57.7  | 49.5  | 43.2  | 39.8  | 38.1  | 37.2  | 36.0  |
| 75°    | 66.5  | 65.1  | 59.1  | 48.6  | 40.1  | 34.5  | 32.5  | 31.3  | 30.2  | 29.3  | 28.7  |
| 77.5°  | 46.8  | 44.6  | 39.2  | 32.3  | 27.9  | 25.3  | 24.0  | 23.4  | 22.9  | 22.4  | 21.8  |
| 80°    | 35.2  | 33.6  | 28.3  | 23.1  | 21.2  | 19.9  | 19.2  | 18.4  | 18.4  | 18.0  | 17.3  |
| 82.5°  | 25.7  | 24.0  | 19.3  | 17.0  | 15.9  | 15.1  | 14.6  | 14.1  | 13.9  | 14.0  | 13.6  |
| 85°    | 13.5  | 10.9  | 9.6   | 9.2   | 8.6   | 8.1   | 8.4   | 7.9   | 7.9   | 7.9   | 7.7   |
| 87.5°  | 4.8   | 4.4   | 4.7   | 5.1   | 5.7   | 6.0   | 6.2   | 6.6   | 7.1   | 7.2   | 7.5   |
| 90°    | 3.5   | 5.9   | 8.4   | 10.8  | 12.9  | 14.7  | 16.5  | 18.3  | 20.1  | 21.1  | 22.2  |
| 92.5°  | 20.0  | 19.8  | 19.6  | 19.3  | 19.7  | 20.5  | 21.5  | 22.3  | 23.3  | 23.8  | 24.4  |
| 95°    | 57.8  | 50.4  | 43.1  | 35.7  | 32.8  | 34.4  | 36.0  | 37.5  | 39.1  | 40.2  | 41.3  |
| 97.5°  | 108.6 | 87.8  | 67.1  | 46.5  | 37.9  | 41.5  | 45.1  | 48.7  | 52.3  | 53.2  | 54.1  |
| 100°   | 146.8 | 116.3 | 85.9  | 55.3  | 41.9  | 45.7  | 49.6  | 53.3  | 57.1  | 58.9  | 60.7  |
| 102.5° | 223.8 | 217.4 | 210.8 | 204.4 | 185.4 | 153.7 | 122.1 | 90.4  | 58.7  | 61.1  | 63.3  |
| 105°   | 311.3 | 317.9 | 324.6 | 331.3 | 304.3 | 243.5 | 182.7 | 121.9 | 61.1  | 63.5  | 66.0  |
| 107.5° | 394.7 | 400.1 | 405.5 | 410.9 | 377.2 | 304.3 | 231.4 | 158.4 | 85.6  | 83.0  | 80.6  |
| 110°   | 448.6 | 453.3 | 457.9 | 462.6 | 432.7 | 368.3 | 304.1 | 239.7 | 175.3 | 153.1 | 130.8 |





TEST NUMBER: P331639-830

CATALOG NUMBER: S122RDIP-S290D1080U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 499.4  | 503.4  | 507.6  | 511.7  | 505.9  | 489.9  | 474.1  | 458.2  | 442.2  | 361.1  | 279.8  |
| 115°   | 579.9  | 583.7  | 587.5  | 591.3  | 596.0  | 601.5  | 607.1  | 612.7  | 618.2  | 515.1  | 412.0  |
| 117.5° | 652.7  | 657.0  | 661.2  | 665.4  | 669.4  | 673.3  | 677.1  | 680.9  | 684.8  | 659.8  | 634.9  |
| 120°   | 704.7  | 708.0  | 711.4  | 714.7  | 718.4  | 722.5  | 726.4  | 730.5  | 734.4  | 737.1  | 739.8  |
| 122.5° | 749.8  | 753.3  | 756.9  | 760.3  | 764.3  | 768.6  | 773.0  | 777.4  | 781.7  | 783.3  | 784.9  |
| 125°   | 817.5  | 820.4  | 823.3  | 826.1  | 829.7  | 834.0  | 838.2  | 842.4  | 846.7  | 848.2  | 849.8  |
| 127.5° | 879.8  | 883.0  | 886.2  | 889.4  | 892.5  | 895.7  | 898.8  | 902.0  | 905.2  | 907.5  | 909.7  |
| 130°   | 919.4  | 922.9  | 926.5  | 930.0  | 933.0  | 935.5  | 937.9  | 940.4  | 942.8  | 945.3  | 947.7  |
| 132.5° | 958.9  | 962.0  | 965.0  | 968.0  | 970.7  | 973.2  | 975.6  | 978.1  | 980.5  | 982.6  | 984.7  |
| 135°   | 1011.5 | 1015.1 | 1018.7 | 1022.2 | 1025.0 | 1027.0 | 1029.0 | 1031.0 | 1033.0 | 1035.3 | 1037.5 |
| 137.5° | 1063.2 | 1065.6 | 1068.2 | 1070.6 | 1073.0 | 1075.3 | 1077.6 | 1079.9 | 1082.1 | 1084.3 | 1086.5 |
| 140°   | 1096.9 | 1098.7 | 1100.5 | 1102.3 | 1104.4 | 1106.8 | 1109.3 | 1111.7 | 1114.2 | 1116.2 | 1118.2 |
| 142.5° | 1125.6 | 1127.2 | 1128.8 | 1130.4 | 1132.7 | 1135.4 | 1138.2 | 1141.0 | 1143.9 | 1145.7 | 1147.5 |
| 145°   | 1169.0 | 1168.8 | 1168.7 | 1168.4 | 1170.2 | 1173.9 | 1177.7 | 1181.6 | 1185.3 | 1186.8 | 1188.5 |
| 147.5° | 1208.0 | 1207.1 | 1206.3 | 1205.4 | 1206.8 | 1210.6 | 1214.3 | 1218.0 | 1221.8 | 1222.9 | 1224.1 |
| 150°   | 1232.8 | 1231.3 | 1229.7 | 1228.2 | 1229.2 | 1232.8 | 1236.3 | 1239.9 | 1243.4 | 1244.8 | 1246.1 |
| 152.5° | 1254.3 | 1252.5 | 1250.8 | 1249.2 | 1249.9 | 1253.3 | 1256.7 | 1260.1 | 1263.5 | 1264.8 | 1266.1 |
| 155°   | 1285.5 | 1283.6 | 1281.5 | 1279.5 | 1279.9 | 1282.5 | 1285.2 | 1287.9 | 1290.5 | 1291.8 | 1293.2 |
| 157.5° | 1310.5 | 1308.8 | 1307.1 | 1305.4 | 1305.5 | 1307.4 | 1309.2 | 1311.1 | 1313.0 | 1314.5 | 1316.0 |
| 160°   | 1325.3 | 1323.9 | 1322.6 | 1321.3 | 1321.3 | 1322.6 | 1323.9 | 1325.3 | 1326.6 | 1327.9 | 1329.3 |
| 162.5° | 1338.1 | 1336.7 | 1335.4 | 1334.1 | 1334.0 | 1335.1 | 1336.3 | 1337.5 | 1338.6 | 1340.1 | 1341.6 |
| 165°   | 1355.3 | 1354.0 | 1352.6 | 1351.3 | 1350.9 | 1351.6 | 1352.4 | 1353.0 | 1353.7 | 1355.2 | 1356.8 |
| 167.5° | 1368.2 | 1366.8 | 1365.5 | 1364.1 | 1363.8 | 1364.4 | 1365.0 | 1365.6 | 1366.3 | 1367.8 | 1369.4 |
| 170°   | 1375.4 | 1374.0 | 1372.7 | 1371.4 | 1370.9 | 1371.4 | 1371.8 | 1372.2 | 1372.7 | 1374.2 | 1375.8 |
| 172.5° | 1380.2 | 1378.8 | 1377.5 | 1376.2 | 1375.7 | 1376.2 | 1376.6 | 1377.1 | 1377.5 | 1379.0 | 1380.6 |
| 175°   | 1386.2 | 1384.6 | 1383.1 | 1381.5 | 1380.9 | 1381.4 | 1381.9 | 1382.2 | 1382.7 | 1384.3 | 1385.8 |
| 177.5° | 1387.5 | 1386.2 | 1385.0 | 1383.7 | 1383.2 | 1383.4 | 1383.6 | 1383.7 | 1383.9 | 1385.2 | 1386.4 |
| 180°   | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 |



TEST NUMBER: P331639-830

CATALOG NUMBER: S122RDIP-S290D1080U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 335°  | 340°  | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 |
| 2.5°   | 637.7 | 640.0 | 641.0 | 641.0 | 642.2 | 641.7 | 641.2 |
| 5°     | 674.4 | 678.4 | 679.4 | 683.2 | 686.0 | 685.1 | 685.5 |
| 7.5°   | 710.9 | 717.4 | 723.9 | 726.8 | 727.3 | 729.0 | 729.6 |
| 10°    | 733.3 | 738.7 | 748.7 | 747.2 | 754.7 | 759.0 | 752.0 |
| 12.5°  | 754.9 | 762.1 | 769.1 | 771.0 | 775.2 | 776.7 | 773.8 |
| 15°    | 774.4 | 778.3 | 778.6 | 777.6 | 778.9 | 777.8 | 773.7 |
| 17.5°  | 756.2 | 749.9 | 737.3 | 731.2 | 726.5 | 719.4 | 716.6 |
| 20°    | 726.0 | 707.6 | 686.2 | 677.6 | 667.6 | 647.9 | 652.6 |
| 22.5°  | 660.9 | 640.0 | 618.5 | 593.5 | 581.5 | 562.9 | 561.8 |
| 25°    | 559.7 | 523.5 | 483.6 | 455.8 | 439.5 | 420.9 | 412.7 |
| 27.5°  | 435.2 | 389.6 | 356.9 | 340.4 | 325.4 | 310.7 | 310.0 |
| 30°    | 353.3 | 319.1 | 293.8 | 279.7 | 270.4 | 264.2 | 265.5 |
| 32.5°  | 297.7 | 274.3 | 257.2 | 245.5 | 238.7 | 234.0 | 233.9 |
| 35°    | 243.5 | 227.3 | 216.4 | 211.5 | 206.6 | 203.2 | 203.4 |
| 37.5°  | 208.3 | 198.7 | 192.6 | 187.2 | 184.1 | 182.4 | 181.4 |
| 40°    | 190.3 | 182.4 | 177.7 | 174.5 | 171.9 | 169.6 | 169.1 |
| 42.5°  | 176.2 | 169.6 | 164.9 | 162.3 | 159.9 | 158.3 | 157.9 |
| 45°    | 156.3 | 150.9 | 146.7 | 143.8 | 142.8 | 141.3 | 141.3 |
| 47.5°  | 139.0 | 133.7 | 130.4 | 128.7 | 126.9 | 125.8 | 125.8 |
| 50°    | 127.4 | 123.3 | 120.4 | 119.2 | 117.7 | 117.2 | 116.9 |
| 52.5°  | 117.0 | 113.9 | 111.8 | 111.0 | 110.4 | 109.6 | 109.7 |
| 55°    | 102.7 | 101.0 | 100.2 | 99.5  | 98.5  | 97.2  | 98.0  |
| 57.5°  | 90.9  | 89.4  | 87.1  | 85.0  | 84.1  | 83.1  | 83.5  |
| 60°    | 82.5  | 79.5  | 76.4  | 74.1  | 73.4  | 71.5  | 71.5  |
| 62.5°  | 71.8  | 67.6  | 63.9  | 62.6  | 61.9  | 61.1  | 60.9  |
| 65°    | 55.2  | 53.5  | 52.7  | 51.8  | 51.4  | 51.4  | 51.0  |
| 67.5°  | 45.8  | 45.1  | 44.1  | 43.9  | 43.5  | 43.4  | 43.3  |
| 70°    | 40.4  | 39.6  | 39.2  | 38.9  | 38.5  | 38.7  | 38.1  |
| 72.5°  | 35.3  | 34.7  | 34.6  | 34.0  | 33.7  | 33.7  | 33.3  |
| 75°    | 27.8  | 27.8  | 27.6  | 27.4  | 27.0  | 26.8  | 27.0  |
| 77.5°  | 21.4  | 21.5  | 21.1  | 21.0  | 21.0  | 21.0  | 20.8  |
| 80°    | 17.2  | 17.3  | 17.2  | 16.9  | 16.7  | 16.9  | 16.7  |
| 82.5°  | 13.6  | 13.2  | 13.2  | 13.1  | 13.1  | 13.0  | 12.9  |
| 85°    | 7.7   | 7.9   | 7.7   | 7.5   | 7.5   | 7.5   | 7.7   |
| 87.5°  | 7.6   | 7.8   | 8.0   | 8.0   | 8.1   | 8.2   | 8.1   |
| 90°    | 23.4  | 24.5  | 25.3  | 25.7  | 26.2  | 26.6  | 27.1  |
| 92.5°  | 25.0  | 25.5  | 26.0  | 26.3  | 26.5  | 26.8  | 27.1  |
| 95°    | 42.4  | 43.5  | 44.0  | 43.7  | 43.5  | 43.3  | 43.1  |
| 97.5°  | 55.0  | 55.9  | 56.5  | 56.7  | 57.0  | 57.2  | 57.5  |
| 100°   | 62.5  | 64.3  | 65.3  | 65.8  | 66.3  | 66.7  | 67.1  |
| 102.5° | 65.7  | 68.0  | 69.5  | 70.0  | 70.7  | 71.4  | 71.9  |
| 105°   | 68.4  | 70.9  | 72.6  | 73.5  | 74.4  | 75.2  | 76.2  |
| 107.5° | 78.0  | 75.6  | 74.8  | 75.7  | 76.5  | 77.5  | 78.3  |
| 110°   | 108.6 | 86.2  | 75.6  | 76.4  | 77.4  | 78.2  | 79.2  |



TEST NUMBER: P331639-830

CATALOG NUMBER: S122RDIP-S290D1080U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 198.6  | 117.3  | 77.1   | 77.9   | 78.5   | 79.3   | 79.9   |
| 115°   | 309.0  | 205.9  | 146.3  | 130.3  | 114.2  | 98.2   | 82.2   |
| 117.5° | 609.9  | 585.0  | 546.2  | 493.5  | 440.8  | 388.1  | 335.5  |
| 120°   | 742.4  | 745.2  | 731.4  | 701.3  | 671.3  | 641.2  | 611.2  |
| 122.5° | 786.6  | 788.2  | 786.0  | 780.2  | 774.4  | 768.5  | 762.7  |
| 125°   | 851.3  | 852.9  | 854.0  | 854.7  | 855.4  | 856.0  | 856.7  |
| 127.5° | 912.0  | 914.3  | 915.5  | 915.6  | 915.8  | 915.9  | 916.0  |
| 130°   | 950.2  | 952.6  | 953.8  | 953.6  | 953.3  | 953.1  | 952.9  |
| 132.5° | 986.8  | 988.9  | 989.9  | 989.6  | 989.4  | 989.2  | 988.9  |
| 135°   | 1039.7 | 1041.9 | 1042.8 | 1042.4 | 1041.9 | 1041.5 | 1041.0 |
| 137.5° | 1088.6 | 1090.8 | 1091.6 | 1090.8 | 1090.1 | 1089.3 | 1088.5 |
| 140°   | 1120.2 | 1122.2 | 1122.7 | 1121.5 | 1120.4 | 1119.3 | 1118.2 |
| 142.5° | 1149.3 | 1151.1 | 1151.5 | 1150.4 | 1149.2 | 1148.2 | 1147.1 |
| 145°   | 1190.0 | 1191.6 | 1191.8 | 1190.7 | 1189.6 | 1188.5 | 1187.3 |
| 147.5° | 1225.3 | 1226.4 | 1226.5 | 1225.6 | 1224.6 | 1223.7 | 1222.8 |
| 150°   | 1247.5 | 1248.8 | 1248.9 | 1247.7 | 1246.7 | 1245.6 | 1244.4 |
| 152.5° | 1267.5 | 1268.9 | 1268.8 | 1267.2 | 1265.8 | 1264.3 | 1262.9 |
| 155°   | 1294.6 | 1295.9 | 1295.6 | 1293.8 | 1292.1 | 1290.3 | 1288.5 |
| 157.5° | 1317.5 | 1319.0 | 1318.9 | 1317.2 | 1315.4 | 1313.7 | 1311.9 |
| 160°   | 1330.6 | 1331.9 | 1331.8 | 1330.3 | 1328.7 | 1327.2 | 1325.6 |
| 162.5° | 1343.1 | 1344.7 | 1344.4 | 1342.6 | 1340.7 | 1338.7 | 1336.8 |
| 165°   | 1358.3 | 1359.9 | 1359.9 | 1358.3 | 1356.8 | 1355.2 | 1353.7 |
| 167.5° | 1370.9 | 1372.5 | 1372.2 | 1370.3 | 1368.3 | 1366.3 | 1364.2 |
| 170°   | 1377.3 | 1378.9 | 1378.7 | 1376.7 | 1374.7 | 1372.7 | 1370.6 |
| 172.5° | 1382.1 | 1383.7 | 1383.6 | 1381.5 | 1379.5 | 1377.5 | 1375.5 |
| 175°   | 1387.4 | 1388.9 | 1388.6 | 1386.4 | 1384.1 | 1382.0 | 1379.7 |
| 177.5° | 1387.6 | 1388.9 | 1388.7 | 1387.1 | 1385.5 | 1383.9 | 1382.3 |
| 180°   | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 | 1384.7 |

(END OF REPORT)