

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: P331477-830

Luminaire Tested: **S122DIW-S290D970U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331477-830  
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: S122DIW-S290D970U830-4F0-1E-UDD-A  
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 290 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 970 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4879.7 lumens  
Efficiency: N/A  
Efficacy: 128.4 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

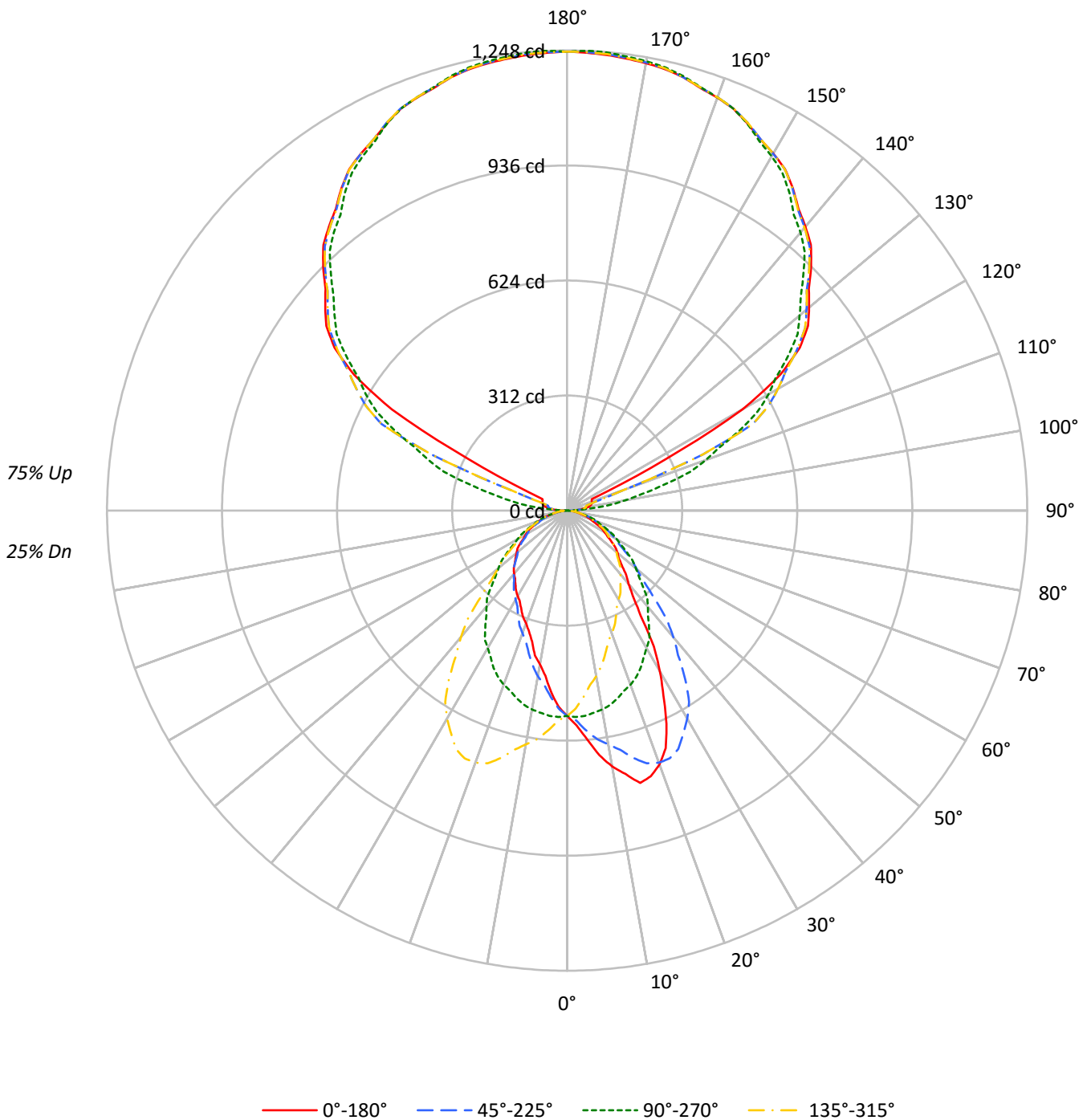
Input Watts (W): 38  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P331477-830

CATALOG NUMBER: S122DIW-S290D970U830-4F0-1E-UDD-A

### Luminous Intensity Polar Plot





TEST NUMBER: P331477-830

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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 | 70 | 70 | 70 | 51 | 51 | 51 | 33 | 33 | 33 | 25 |
| 1   | 92  | 88  | 85  | 81  | 82 | 79 | 76 | 73 | 61 | 59 | 57 | 45 | 44 | 43 | 30 | 29 | 29 | 22 |
| 2   | 84  | 77  | 72  | 67  | 75 | 69 | 64 | 60 | 54 | 51 | 48 | 40 | 38 | 36 | 27 | 25 | 24 | 19 |
| 3   | 77  | 68  | 61  | 56  | 68 | 61 | 55 | 51 | 48 | 44 | 40 | 35 | 33 | 31 | 24 | 22 | 21 | 16 |
| 4   | 71  | 60  | 53  | 47  | 63 | 54 | 48 | 43 | 42 | 38 | 35 | 31 | 29 | 26 | 21 | 20 | 18 | 14 |
| 5   | 65  | 54  | 46  | 40  | 57 | 48 | 42 | 37 | 38 | 33 | 30 | 28 | 25 | 23 | 19 | 17 | 16 | 12 |
| 6   | 60  | 48  | 40  | 35  | 53 | 43 | 37 | 32 | 34 | 29 | 26 | 26 | 22 | 20 | 18 | 16 | 14 | 11 |
| 7   | 55  | 43  | 36  | 31  | 49 | 39 | 33 | 28 | 31 | 26 | 23 | 23 | 20 | 18 | 16 | 14 | 13 | 10 |
| 8   | 51  | 39  | 32  | 27  | 45 | 35 | 29 | 25 | 28 | 23 | 20 | 21 | 18 | 16 | 15 | 13 | 11 | 9  |
| 9   | 47  | 36  | 29  | 24  | 42 | 32 | 26 | 22 | 26 | 21 | 18 | 20 | 16 | 14 | 14 | 12 | 10 | 8  |
| 10  | 44  | 33  | 26  | 21  | 39 | 30 | 24 | 20 | 24 | 19 | 16 | 18 | 15 | 13 | 13 | 11 | 9  | 7  |

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

|     | 0°    | 90°  | 180° | 270° |
|-----|-------|------|------|------|
| 0°  | 8995  | 8995 | 8995 | 8995 |
| 5°  | 10084 | 9054 | 8023 | 9054 |
| 10° | 11555 | 8979 | 6943 | 8979 |
| 15° | 12784 | 8816 | 6135 | 8816 |
| 20° | 12589 | 8639 | 5593 | 8639 |
| 25° | 11352 | 8402 | 5248 | 8402 |
| 30° | 9380  | 8028 | 4998 | 8028 |
| 35° | 6838  | 7634 | 4819 | 7634 |
| 40° | 5461  | 7172 | 4719 | 7172 |
| 45° | 4772  | 6635 | 4587 | 6635 |
| 50° | 4486  | 6116 | 4496 | 6116 |
| 55° | 4132  | 5588 | 4374 | 5588 |
| 60° | 3788  | 5025 | 4191 | 5025 |
| 65° | 3454  | 4523 | 4008 | 4523 |
| 70° | 3135  | 4032 | 3744 | 4032 |
| 75° | 2782  | 3487 | 3313 | 3487 |
| 80° | 2390  | 2882 | 2669 | 2882 |
| 85° | 2149  | 2149 | 1593 | 2149 |



TEST NUMBER: P331477-830

CATALOG NUMBER: S122DIW-S290D970U830-4F0-1E-UDD-A

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 53.1   | 1.1       |
| 10°-20°   | 154.2  | 3.2       |
| 20°-30°   | 223.9  | 4.6       |
| 30°-40°   | 236.2  | 4.8       |
| 40°-50°   | 209.2  | 4.3       |
| 50°-60°   | 166.9  | 3.4       |
| 60°-70°   | 113.4  | 2.3       |
| 70°-80°   | 58.2   | 1.2       |
| 80°-90°   | 17.1   | 0.4       |
| 90°-100°  | 41.5   | 0.9       |
| 100°-110° | 152.3  | 3.1       |
| 110°-120° | 407.0  | 8.3       |
| 120°-130° | 671.8  | 13.8      |
| 130°-140° | 714.5  | 14.6      |
| 140°-150° | 664.1  | 13.6      |
| 150°-160° | 533.9  | 10.9      |
| 160°-170° | 344.1  | 7.1       |
| 170°-180° | 118.4  | 2.4       |
| 0°-30°    | 431.2  | 8.8       |
| 0°-40°    | 667.4  | 13.7      |
| 0°-60°    | 1043.5 | 21.4      |
| 0°-90°    | 1232.2 | 25.3      |
| 90°-120°  | 600.8  | 12.3      |
| 90°-150°  | 2651.1 | 54.3      |
| 90°-180°  | 3648.0 | 74.8      |
| 0°-180°   | 4879.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 557  | 557  | 557  | 557  | 557  |      |
| 5°   | 622  | 559  | 495  | 559  | 622  | 62   |
| 15°  | 765  | 527  | 367  | 527  | 765  | 211  |
| 25°  | 637  | 472  | 295  | 472  | 637  | 288  |
| 35°  | 347  | 387  | 244  | 387  | 347  | 226  |
| 45°  | 209  | 291  | 201  | 291  | 209  | 164  |
| 55°  | 147  | 198  | 155  | 198  | 147  | 132  |
| 65°  | 90   | 118  | 105  | 118  | 90   | 90   |
| 75°  | 45   | 56   | 53   | 56   | 45   | 48   |
| 85°  | 12   | 12   | 9    | 12   | 12   | 13   |
| 90°  | 24   | 1    | 24   | 1    | 24   | 11   |
| 95°  | 39   | 58   | 39   | 58   | 39   | 36   |
| 105° | 68   | 274  | 68   | 274  | 68   | 71   |
| 115° | 74   | 518  | 74   | 518  | 74   | 185  |
| 125° | 770  | 732  | 770  | 732  | 770  | 666  |
| 135° | 936  | 906  | 936  | 906  | 936  | 721  |
| 145° | 1067 | 1051 | 1067 | 1051 | 1067 | 667  |
| 155° | 1158 | 1157 | 1158 | 1157 | 1158 | 534  |
| 165° | 1217 | 1220 | 1217 | 1220 | 1217 | 344  |
| 175° | 1240 | 1247 | 1240 | 1247 | 1240 | 118  |
| 180° | 1245 | 1245 | 1245 | 1245 | 1245 |      |



TEST NUMBER: P331477-830

CATALOG NUMBER: S122DIW-S290D970U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 |
| 2.5°   | 582.8 | 583.0 | 583.3 | 580.6 | 580.2 | 580.2 | 577.9 | 575.8 | 573.3 | 570.1 | 570.5 |
| 5°     | 622.2 | 624.5 | 625.4 | 622.8 | 619.0 | 618.6 | 614.9 | 609.0 | 603.3 | 598.9 | 595.7 |
| 7.5°   | 669.2 | 670.1 | 668.1 | 664.7 | 661.9 | 656.7 | 649.9 | 643.3 | 634.0 | 625.5 | 619.2 |
| 10°    | 704.8 | 706.2 | 702.5 | 697.6 | 693.5 | 687.5 | 677.7 | 667.6 | 655.4 | 643.7 | 634.2 |
| 12.5°  | 731.9 | 735.1 | 730.4 | 729.8 | 722.8 | 714.5 | 702.9 | 697.8 | 680.6 | 664.2 | 654.0 |
| 15°    | 764.8 | 764.6 | 765.1 | 760.9 | 755.8 | 754.5 | 742.2 | 728.6 | 704.5 | 694.7 | 678.1 |
| 17.5°  | 755.3 | 758.6 | 760.1 | 760.0 | 759.9 | 759.0 | 755.1 | 746.6 | 734.4 | 718.8 | 699.6 |
| 20°    | 732.7 | 737.0 | 737.6 | 742.5 | 745.4 | 748.9 | 750.5 | 748.1 | 740.6 | 727.5 | 710.9 |
| 22.5°  | 697.8 | 699.0 | 701.0 | 708.6 | 714.6 | 723.8 | 728.5 | 736.5 | 733.6 | 727.2 | 713.2 |
| 25°    | 637.2 | 635.1 | 642.5 | 646.4 | 660.3 | 674.9 | 685.4 | 696.9 | 707.2 | 713.4 | 709.4 |
| 27.5°  | 564.5 | 561.3 | 572.5 | 582.8 | 594.0 | 609.8 | 626.1 | 645.5 | 661.5 | 681.6 | 688.5 |
| 30°    | 503.1 | 505.1 | 515.8 | 526.7 | 543.8 | 566.1 | 584.6 | 605.7 | 628.7 | 651.1 | 666.8 |
| 32.5°  | 437.1 | 444.4 | 451.2 | 468.0 | 483.1 | 507.8 | 534.9 | 561.4 | 589.9 | 615.5 | 639.7 |
| 35°    | 346.9 | 355.4 | 364.9 | 377.0 | 398.2 | 422.8 | 449.2 | 484.9 | 524.0 | 558.8 | 587.5 |
| 37.5°  | 292.0 | 290.6 | 296.0 | 304.8 | 322.0 | 341.9 | 372.2 | 407.5 | 453.4 | 494.4 | 534.9 |
| 40°    | 259.1 | 258.3 | 262.0 | 270.2 | 283.2 | 297.8 | 324.4 | 355.4 | 398.0 | 448.2 | 496.3 |
| 42.5°  | 236.5 | 237.0 | 239.1 | 244.9 | 253.8 | 265.8 | 285.7 | 312.1 | 351.1 | 398.3 | 450.1 |
| 45°    | 209.0 | 210.5 | 212.8 | 215.7 | 220.7 | 230.6 | 241.8 | 260.6 | 291.4 | 330.8 | 381.7 |
| 47.5°  | 189.2 | 189.3 | 191.6 | 194.1 | 197.1 | 202.6 | 211.8 | 223.6 | 245.3 | 277.4 | 321.2 |
| 50°    | 178.6 | 177.1 | 178.8 | 180.7 | 183.9 | 187.8 | 193.8 | 204.9 | 219.4 | 245.3 | 282.0 |
| 52.5°  | 165.5 | 165.6 | 167.1 | 167.9 | 170.7 | 174.6 | 180.0 | 187.8 | 201.0 | 221.2 | 251.3 |
| 55°    | 146.8 | 148.0 | 148.8 | 150.1 | 152.7 | 155.4 | 159.8 | 164.9 | 175.1 | 190.3 | 212.6 |
| 57.5°  | 129.3 | 129.7 | 130.5 | 133.0 | 134.6 | 137.1 | 141.2 | 145.9 | 152.6 | 163.8 | 180.6 |
| 60°    | 117.3 | 117.3 | 119.0 | 120.1 | 122.2 | 124.8 | 128.0 | 132.5 | 138.6 | 147.7 | 161.3 |
| 62.5°  | 106.4 | 106.2 | 106.9 | 108.7 | 110.3 | 112.6 | 115.8 | 119.7 | 125.4 | 133.6 | 144.6 |
| 65°    | 90.4  | 89.9  | 91.2  | 91.6  | 93.3  | 95.7  | 98.3  | 102.4 | 106.9 | 112.8 | 122.7 |
| 67.5°  | 74.9  | 75.5  | 76.2  | 76.9  | 77.9  | 80.4  | 82.1  | 84.9  | 88.8  | 93.8  | 100.4 |
| 70°    | 66.4  | 66.4  | 66.4  | 67.0  | 68.3  | 69.6  | 71.3  | 73.6  | 77.3  | 81.5  | 87.6  |
| 72.5°  | 56.7  | 57.5  | 58.2  | 57.8  | 59.4  | 60.1  | 62.2  | 63.5  | 67.0  | 69.7  | 75.0  |
| 75°    | 44.6  | 44.6  | 44.6  | 45.6  | 46.3  | 46.8  | 48.2  | 49.5  | 51.2  | 54.6  | 57.4  |
| 77.5°  | 33.3  | 33.2  | 33.4  | 33.6  | 34.3  | 35.1  | 35.4  | 36.6  | 38.2  | 39.8  | 42.1  |
| 80°    | 25.7  | 26.1  | 26.3  | 26.8  | 26.8  | 27.1  | 27.4  | 28.9  | 30.0  | 31.0  | 32.5  |
| 82.5°  | 19.9  | 20.0  | 20.0  | 20.1  | 20.3  | 20.5  | 21.1  | 21.6  | 22.0  | 22.8  | 23.9  |
| 85°    | 11.6  | 11.3  | 11.3  | 11.8  | 11.6  | 11.6  | 12.0  | 12.4  | 12.4  | 12.6  | 13.3  |
| 87.5°  | 9.3   | 9.2   | 9.3   | 9.0   | 9.0   | 9.0   | 8.9   | 8.5   | 8.4   | 8.4   | 8.3   |
| 90°    | 24.3  | 23.9  | 23.5  | 23.1  | 22.7  | 22.1  | 21.0  | 20.0  | 19.0  | 18.0  | 16.4  |
| 92.5°  | 24.3  | 24.0  | 23.8  | 23.6  | 23.4  | 23.0  | 22.4  | 22.0  | 21.4  | 20.9  | 20.1  |
| 95°    | 38.7  | 38.9  | 39.1  | 39.3  | 39.5  | 39.1  | 38.2  | 37.1  | 36.1  | 35.2  | 33.7  |
| 97.5°  | 51.7  | 51.5  | 51.2  | 51.0  | 50.7  | 50.2  | 49.4  | 48.6  | 47.8  | 47.0  | 43.7  |
| 100°   | 60.3  | 59.9  | 59.6  | 59.1  | 58.7  | 57.8  | 56.2  | 54.6  | 53.0  | 51.4  | 48.0  |
| 102.5° | 64.7  | 64.1  | 63.5  | 63.0  | 62.4  | 61.1  | 59.0  | 56.9  | 54.9  | 52.8  | 48.1  |
| 105°   | 68.4  | 67.7  | 66.8  | 66.1  | 65.2  | 63.7  | 61.5  | 59.4  | 57.1  | 55.0  | 48.0  |
| 107.5° | 70.4  | 69.7  | 68.8  | 68.1  | 67.2  | 68.0  | 70.2  | 72.4  | 74.6  | 76.9  | 142.4 |
| 110°   | 71.2  | 70.3  | 69.6  | 68.7  | 68.0  | 77.6  | 97.6  | 117.5 | 137.6 | 157.6 | 215.5 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 71.9   | 71.3   | 70.6   | 69.9   | 69.3   | 105.5  | 178.5  | 251.5  | 324.5  | 397.6  | 411.8  |
| 115°   | 73.9   | 88.2   | 102.6  | 117.1  | 131.5  | 185.0  | 277.7  | 370.3  | 463.0  | 555.7  | 550.7  |
| 117.5° | 301.5  | 348.9  | 396.2  | 443.6  | 491.0  | 525.8  | 548.3  | 570.6  | 593.0  | 615.5  | 612.1  |
| 120°   | 549.4  | 576.4  | 603.4  | 630.5  | 657.4  | 669.8  | 667.3  | 665.0  | 662.6  | 660.2  | 656.6  |
| 122.5° | 685.6  | 690.8  | 696.1  | 701.3  | 706.5  | 708.4  | 707.0  | 705.6  | 704.1  | 702.7  | 698.7  |
| 125°   | 770.1  | 769.4  | 768.8  | 768.3  | 767.6  | 766.7  | 765.3  | 763.8  | 762.4  | 761.0  | 757.2  |
| 127.5° | 823.3  | 823.2  | 823.1  | 823.0  | 822.8  | 821.8  | 819.7  | 817.7  | 815.7  | 813.6  | 810.8  |
| 130°   | 856.5  | 856.7  | 856.9  | 857.1  | 857.3  | 856.3  | 854.1  | 851.9  | 849.7  | 847.5  | 845.3  |
| 132.5° | 888.9  | 889.1  | 889.3  | 889.5  | 889.8  | 888.9  | 887.0  | 885.1  | 883.3  | 881.4  | 879.1  |
| 135°   | 935.8  | 936.1  | 936.5  | 937.0  | 937.4  | 936.5  | 934.5  | 932.6  | 930.6  | 928.6  | 926.7  |
| 137.5° | 978.5  | 979.1  | 979.8  | 980.5  | 981.2  | 980.5  | 978.5  | 976.6  | 974.7  | 972.7  | 970.6  |
| 140°   | 1005.1 | 1006.1 | 1007.1 | 1008.1 | 1009.1 | 1008.7 | 1006.9 | 1005.1 | 1003.3 | 1001.5 | 999.3  |
| 142.5° | 1031.0 | 1032.1 | 1033.0 | 1034.1 | 1035.0 | 1034.7 | 1033.1 | 1031.4 | 1029.8 | 1028.1 | 1025.7 |
| 145°   | 1067.2 | 1068.3 | 1069.2 | 1070.3 | 1071.3 | 1071.0 | 1069.7 | 1068.3 | 1066.9 | 1065.5 | 1062.1 |
| 147.5° | 1099.1 | 1099.9 | 1100.8 | 1101.6 | 1102.5 | 1102.4 | 1101.4 | 1100.3 | 1099.3 | 1098.3 | 1094.9 |
| 150°   | 1118.6 | 1119.6 | 1120.6 | 1121.6 | 1122.6 | 1122.5 | 1121.2 | 1120.1 | 1118.9 | 1117.7 | 1114.5 |
| 152.5° | 1135.2 | 1136.5 | 1137.8 | 1139.2 | 1140.5 | 1140.5 | 1139.3 | 1138.1 | 1136.9 | 1135.7 | 1132.7 |
| 155°   | 1158.2 | 1159.8 | 1161.4 | 1163.0 | 1164.6 | 1164.8 | 1163.6 | 1162.4 | 1161.2 | 1160.0 | 1157.6 |
| 157.5° | 1179.3 | 1180.8 | 1182.4 | 1183.9 | 1185.5 | 1185.6 | 1184.3 | 1182.9 | 1181.6 | 1180.2 | 1178.5 |
| 160°   | 1191.6 | 1193.0 | 1194.3 | 1195.7 | 1197.1 | 1197.2 | 1196.0 | 1194.9 | 1193.6 | 1192.4 | 1191.3 |
| 162.5° | 1201.6 | 1203.3 | 1205.0 | 1206.7 | 1208.5 | 1208.7 | 1207.3 | 1206.0 | 1204.6 | 1203.2 | 1202.2 |
| 165°   | 1216.7 | 1218.1 | 1219.6 | 1221.0 | 1222.4 | 1222.4 | 1221.0 | 1219.6 | 1218.1 | 1216.7 | 1216.2 |
| 167.5° | 1226.3 | 1228.1 | 1229.9 | 1231.7 | 1233.5 | 1233.7 | 1232.3 | 1230.9 | 1229.5 | 1228.1 | 1227.6 |
| 170°   | 1232.1 | 1233.9 | 1235.7 | 1237.5 | 1239.3 | 1239.4 | 1238.0 | 1236.7 | 1235.3 | 1233.9 | 1233.5 |
| 172.5° | 1236.4 | 1238.2 | 1240.0 | 1241.8 | 1243.6 | 1243.8 | 1242.4 | 1241.0 | 1239.6 | 1238.2 | 1237.7 |
| 175°   | 1240.2 | 1242.2 | 1244.2 | 1246.1 | 1248.2 | 1248.5 | 1247.1 | 1245.7 | 1244.3 | 1242.8 | 1242.5 |
| 177.5° | 1242.6 | 1244.0 | 1245.4 | 1246.8 | 1248.3 | 1248.4 | 1247.3 | 1246.2 | 1245.1 | 1244.0 | 1243.8 |
| 180°   | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 |
| 2.5°   | 571.7 | 570.3 | 569.5 | 566.4 | 563.6 | 560.9 | 560.1 | 560.3 | 556.6 | 553.0 | 551.5 |
| 5°     | 594.0 | 589.7 | 585.6 | 579.9 | 573.0 | 565.4 | 561.7 | 558.6 | 551.1 | 543.0 | 538.3 |
| 7.5°   | 613.9 | 607.8 | 599.9 | 589.1 | 579.1 | 567.3 | 559.8 | 553.2 | 542.2 | 530.7 | 523.7 |
| 10°    | 626.0 | 617.7 | 607.7 | 594.4 | 582.2 | 567.8 | 557.8 | 547.7 | 534.9 | 521.1 | 512.6 |
| 12.5°  | 636.5 | 625.3 | 615.4 | 598.3 | 583.9 | 565.9 | 554.0 | 539.8 | 526.3 | 510.0 | 501.6 |
| 15°    | 661.4 | 640.6 | 621.8 | 602.5 | 584.8 | 559.7 | 546.4 | 527.4 | 509.6 | 489.5 | 479.8 |
| 17.5°  | 680.6 | 657.2 | 627.6 | 603.1 | 582.4 | 554.6 | 535.2 | 512.4 | 491.3 | 468.3 | 455.2 |
| 20°    | 691.5 | 664.8 | 632.9 | 603.8 | 579.0 | 547.2 | 526.0 | 502.8 | 478.2 | 452.2 | 438.1 |
| 22.5°  | 698.0 | 670.0 | 638.4 | 601.2 | 572.1 | 541.3 | 514.6 | 489.0 | 464.1 | 436.1 | 421.3 |
| 25°    | 700.1 | 674.5 | 641.0 | 599.1 | 563.5 | 528.7 | 496.5 | 471.6 | 441.5 | 415.4 | 393.8 |
| 27.5°  | 689.9 | 671.6 | 639.4 | 595.0 | 553.6 | 512.8 | 477.0 | 448.9 | 417.1 | 388.7 | 366.9 |
| 30°    | 677.4 | 666.8 | 635.5 | 591.0 | 545.7 | 501.9 | 462.5 | 430.6 | 398.9 | 370.2 | 347.9 |
| 32.5°  | 658.1 | 655.8 | 628.3 | 585.1 | 537.3 | 488.0 | 447.2 | 415.0 | 379.8 | 351.7 | 330.5 |
| 35°    | 620.1 | 630.4 | 613.0 | 572.1 | 521.6 | 468.3 | 424.1 | 387.3 | 350.9 | 324.0 | 304.1 |
| 37.5°  | 569.1 | 594.7 | 590.1 | 553.1 | 500.2 | 446.8 | 398.0 | 359.6 | 324.9 | 297.7 | 278.1 |
| 40°    | 534.0 | 566.6 | 571.3 | 538.5 | 485.2 | 430.2 | 378.5 | 340.3 | 306.4 | 281.5 | 261.8 |
| 42.5°  | 496.3 | 534.3 | 547.2 | 521.0 | 468.7 | 412.6 | 361.1 | 321.4 | 287.9 | 263.7 | 246.3 |
| 45°    | 433.2 | 483.4 | 506.8 | 491.8 | 441.3 | 383.9 | 330.8 | 290.6 | 260.1 | 237.4 | 223.9 |
| 47.5°  | 374.1 | 429.0 | 460.4 | 455.2 | 410.8 | 353.9 | 301.4 | 262.8 | 233.2 | 215.1 | 203.0 |
| 50°    | 332.3 | 388.8 | 426.7 | 428.5 | 388.8 | 332.5 | 279.8 | 243.5 | 216.2 | 199.3 | 189.5 |
| 52.5°  | 296.0 | 350.0 | 391.2 | 400.4 | 364.3 | 310.3 | 260.5 | 224.2 | 200.3 | 184.7 | 176.0 |
| 55°    | 248.5 | 294.2 | 340.0 | 356.8 | 327.8 | 276.4 | 230.4 | 198.5 | 176.0 | 165.3 | 157.6 |
| 57.5°  | 206.7 | 244.7 | 287.0 | 305.5 | 287.7 | 243.6 | 200.5 | 172.8 | 154.6 | 145.2 | 139.2 |
| 60°    | 184.5 | 214.5 | 252.2 | 274.3 | 258.8 | 219.7 | 182.0 | 155.6 | 140.6 | 132.3 | 126.8 |
| 62.5°  | 164.0 | 190.6 | 222.4 | 242.6 | 234.2 | 197.3 | 163.5 | 140.3 | 127.3 | 119.5 | 115.5 |
| 65°    | 135.3 | 156.3 | 181.0 | 199.5 | 194.0 | 166.0 | 138.3 | 118.4 | 108.1 | 101.9 | 98.7  |
| 67.5°  | 111.4 | 126.6 | 143.6 | 159.9 | 155.5 | 135.6 | 113.5 | 97.9  | 90.3  | 84.9  | 82.9  |
| 70°    | 96.3  | 107.9 | 123.1 | 136.2 | 132.5 | 116.3 | 98.7  | 85.4  | 78.8  | 74.3  | 72.4  |
| 72.5°  | 82.0  | 91.4  | 103.1 | 113.8 | 111.3 | 97.7  | 83.1  | 73.1  | 68.0  | 63.8  | 62.3  |
| 75°    | 61.9  | 69.2  | 76.3  | 83.3  | 82.7  | 72.2  | 63.6  | 55.9  | 51.8  | 48.6  | 48.0  |
| 77.5°  | 45.7  | 49.8  | 54.6  | 58.7  | 57.6  | 51.6  | 44.9  | 40.4  | 37.5  | 35.3  | 35.0  |
| 80°    | 34.9  | 37.2  | 40.7  | 43.6  | 42.2  | 39.6  | 34.2  | 31.0  | 28.9  | 26.8  | 25.9  |
| 82.5°  | 25.4  | 27.6  | 29.7  | 31.4  | 30.2  | 27.8  | 24.5  | 22.3  | 21.0  | 19.6  | 19.2  |
| 85°    | 13.3  | 14.5  | 15.5  | 15.8  | 15.5  | 13.9  | 12.4  | 11.6  | 10.5  | 9.8   | 9.6   |
| 87.5°  | 8.1   | 7.8   | 7.4   | 7.4   | 6.5   | 6.0   | 4.9   | 4.0   | 4.2   | 4.5   | 4.6   |
| 90°    | 14.8  | 13.2  | 11.6  | 9.7   | 7.5   | 5.3   | 3.1   | 0.9   | 3.1   | 5.3   | 7.5   |
| 92.5°  | 19.3  | 18.5  | 17.7  | 17.4  | 17.6  | 17.8  | 18.0  | 18.2  | 18.0  | 17.8  | 17.6  |
| 95°    | 32.3  | 30.9  | 29.5  | 32.1  | 38.7  | 45.3  | 51.9  | 58.5  | 51.9  | 45.3  | 38.7  |
| 97.5°  | 40.5  | 37.3  | 34.0  | 41.8  | 60.3  | 79.0  | 97.6  | 116.2 | 97.6  | 79.0  | 60.3  |
| 100°   | 44.5  | 41.1  | 37.7  | 49.8  | 77.2  | 104.5 | 132.0 | 159.4 | 132.0 | 104.5 | 77.2  |
| 102.5° | 109.7 | 138.2 | 166.6 | 183.7 | 189.5 | 195.4 | 201.1 | 207.0 | 201.1 | 195.4 | 189.5 |
| 105°   | 164.2 | 218.9 | 273.5 | 297.8 | 291.8 | 285.8 | 279.8 | 273.8 | 279.8 | 285.8 | 291.8 |
| 107.5° | 207.9 | 273.5 | 339.0 | 369.4 | 364.5 | 359.7 | 354.9 | 350.0 | 354.9 | 359.7 | 364.5 |
| 110°   | 273.3 | 331.1 | 389.0 | 415.8 | 411.6 | 407.4 | 403.2 | 399.0 | 403.2 | 407.4 | 411.6 |





TEST NUMBER: P331477-830

CATALOG NUMBER: S122DIW-S290D970U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 426.1  | 440.5  | 454.7  | 460.0  | 456.3  | 452.5  | 448.8  | 445.1  | 448.8  | 452.5  | 456.3  |
| 115°   | 545.6  | 540.6  | 535.6  | 531.5  | 528.1  | 524.7  | 521.2  | 517.8  | 521.2  | 524.7  | 528.1  |
| 117.5° | 608.6  | 605.2  | 601.7  | 598.1  | 594.3  | 590.5  | 586.7  | 582.9  | 586.7  | 590.5  | 594.3  |
| 120°   | 653.0  | 649.3  | 645.7  | 642.4  | 639.4  | 636.4  | 633.5  | 630.5  | 633.5  | 636.4  | 639.4  |
| 122.5° | 694.8  | 690.9  | 687.0  | 683.4  | 680.2  | 677.1  | 673.9  | 670.8  | 673.9  | 677.1  | 680.2  |
| 125°   | 753.5  | 749.6  | 745.8  | 742.6  | 740.0  | 737.4  | 734.8  | 732.2  | 734.8  | 737.4  | 740.0  |
| 127.5° | 807.9  | 805.1  | 802.3  | 799.4  | 796.5  | 793.6  | 790.8  | 787.9  | 790.8  | 793.6  | 796.5  |
| 130°   | 843.1  | 840.8  | 838.7  | 835.9  | 832.7  | 829.6  | 826.4  | 823.2  | 826.4  | 829.6  | 832.7  |
| 132.5° | 876.9  | 874.8  | 872.5  | 870.1  | 867.3  | 864.7  | 862.0  | 859.2  | 862.0  | 864.7  | 867.3  |
| 135°   | 924.9  | 923.1  | 921.3  | 918.9  | 915.7  | 912.5  | 909.3  | 906.1  | 909.3  | 912.5  | 915.7  |
| 137.5° | 968.6  | 966.6  | 964.5  | 962.3  | 960.2  | 957.9  | 955.6  | 953.4  | 955.6  | 957.9  | 960.2  |
| 140°   | 997.1  | 994.9  | 992.7  | 990.8  | 989.2  | 987.6  | 986.0  | 984.4  | 986.0  | 987.6  | 989.2  |
| 142.5° | 1023.1 | 1020.6 | 1018.0 | 1016.1 | 1014.6 | 1013.2 | 1011.7 | 1010.3 | 1011.7 | 1013.2 | 1014.6 |
| 145°   | 1058.7 | 1055.3 | 1051.9 | 1050.3 | 1050.5 | 1050.7 | 1050.8 | 1051.0 | 1050.8 | 1050.7 | 1050.5 |
| 147.5° | 1091.5 | 1088.2 | 1084.8 | 1083.5 | 1084.2 | 1085.0 | 1085.7 | 1086.6 | 1085.7 | 1085.0 | 1084.2 |
| 150°   | 1111.3 | 1108.1 | 1104.8 | 1104.0 | 1105.4 | 1106.7 | 1108.1 | 1109.6 | 1108.1 | 1106.7 | 1105.4 |
| 152.5° | 1129.6 | 1126.5 | 1123.5 | 1122.8 | 1124.4 | 1125.9 | 1127.5 | 1129.1 | 1127.5 | 1125.9 | 1124.4 |
| 155°   | 1155.2 | 1152.8 | 1150.4 | 1150.1 | 1151.9 | 1153.7 | 1155.5 | 1157.3 | 1155.5 | 1153.7 | 1151.9 |
| 157.5° | 1176.9 | 1175.2 | 1173.5 | 1173.4 | 1174.9 | 1176.4 | 1178.0 | 1179.5 | 1178.0 | 1176.4 | 1174.9 |
| 160°   | 1190.1 | 1188.8 | 1187.6 | 1187.6 | 1188.8 | 1190.1 | 1191.3 | 1192.4 | 1191.3 | 1190.1 | 1188.8 |
| 162.5° | 1201.2 | 1200.1 | 1199.1 | 1199.2 | 1200.3 | 1201.6 | 1202.8 | 1204.0 | 1202.8 | 1201.6 | 1200.3 |
| 165°   | 1215.5 | 1214.9 | 1214.4 | 1214.7 | 1215.9 | 1217.0 | 1218.2 | 1219.5 | 1218.2 | 1217.0 | 1215.9 |
| 167.5° | 1227.0 | 1226.4 | 1225.9 | 1226.2 | 1227.4 | 1228.6 | 1229.7 | 1231.0 | 1229.7 | 1228.6 | 1227.4 |
| 170°   | 1233.0 | 1232.7 | 1232.3 | 1232.7 | 1233.9 | 1235.1 | 1236.2 | 1237.5 | 1236.2 | 1235.1 | 1233.9 |
| 172.5° | 1237.4 | 1237.0 | 1236.6 | 1237.0 | 1238.2 | 1239.3 | 1240.6 | 1241.8 | 1240.6 | 1239.3 | 1238.2 |
| 175°   | 1242.1 | 1241.7 | 1241.2 | 1241.8 | 1243.2 | 1244.5 | 1245.9 | 1247.4 | 1245.9 | 1244.5 | 1243.2 |
| 177.5° | 1243.6 | 1243.5 | 1243.3 | 1243.8 | 1244.9 | 1246.0 | 1247.2 | 1248.3 | 1247.2 | 1246.0 | 1244.9 |
| 180°   | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 |



TEST NUMBER: P331477-830

CATALOG NUMBER: S122DIW-S290D970U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 |
| 2.5°   | 549.8 | 548.7 | 545.2 | 543.3 | 540.2 | 537.2 | 535.4 | 536.2 | 536.9 | 536.6 | 536.0 |
| 5°     | 534.0 | 529.9 | 523.7 | 518.4 | 514.5 | 507.5 | 504.4 | 502.9 | 501.6 | 500.2 | 498.7 |
| 7.5°   | 515.2 | 508.8 | 499.9 | 492.3 | 485.1 | 476.3 | 471.3 | 468.3 | 465.2 | 461.8 | 458.8 |
| 10°    | 501.9 | 492.9 | 483.4 | 472.8 | 464.2 | 456.3 | 449.2 | 444.5 | 440.2 | 436.1 | 433.2 |
| 12.5°  | 487.9 | 477.5 | 465.8 | 451.2 | 441.8 | 430.4 | 429.3 | 421.0 | 414.3 | 411.8 | 408.3 |
| 15°    | 465.5 | 450.9 | 436.1 | 418.8 | 411.3 | 401.1 | 394.6 | 388.1 | 382.4 | 378.3 | 377.3 |
| 17.5°  | 440.1 | 421.2 | 406.5 | 394.1 | 381.8 | 371.3 | 365.3 | 360.2 | 355.4 | 350.1 | 349.3 |
| 20°    | 420.8 | 404.4 | 388.4 | 377.5 | 364.9 | 354.1 | 346.9 | 341.8 | 337.6 | 334.4 | 331.7 |
| 22.5°  | 402.4 | 384.6 | 369.9 | 358.0 | 345.5 | 336.9 | 331.1 | 326.1 | 322.7 | 319.2 | 316.6 |
| 25°    | 373.0 | 359.1 | 343.0 | 329.5 | 319.2 | 313.7 | 309.0 | 304.7 | 302.6 | 300.2 | 297.2 |
| 27.5°  | 347.2 | 331.8 | 316.8 | 306.3 | 297.3 | 292.4 | 289.0 | 286.1 | 284.1 | 282.7 | 281.0 |
| 30°    | 329.1 | 313.5 | 301.7 | 291.4 | 283.9 | 279.0 | 276.8 | 275.1 | 272.8 | 271.9 | 271.1 |
| 32.5°  | 311.6 | 297.6 | 287.5 | 278.5 | 271.5 | 268.2 | 266.3 | 264.7 | 262.9 | 262.0 | 260.2 |
| 35°    | 286.9 | 275.1 | 265.3 | 260.3 | 254.6 | 251.8 | 250.3 | 248.2 | 246.5 | 245.6 | 245.3 |
| 37.5°  | 263.6 | 253.4 | 246.9 | 240.6 | 238.2 | 236.5 | 234.4 | 233.0 | 232.4 | 232.3 | 232.1 |
| 40°    | 248.5 | 240.3 | 234.4 | 229.3 | 228.3 | 225.6 | 223.9 | 222.7 | 222.7 | 222.9 | 222.7 |
| 42.5°  | 234.9 | 227.3 | 222.3 | 217.8 | 216.6 | 215.1 | 213.3 | 213.3 | 213.6 | 214.3 | 213.6 |
| 45°    | 214.1 | 208.8 | 205.1 | 203.0 | 200.7 | 199.2 | 198.9 | 199.5 | 199.7 | 200.0 | 200.7 |
| 47.5°  | 195.0 | 191.4 | 188.1 | 185.8 | 184.7 | 184.5 | 184.3 | 185.4 | 186.4 | 186.8 | 187.8 |
| 50°    | 183.7 | 179.6 | 176.8 | 175.3 | 174.5 | 174.1 | 174.5 | 175.8 | 176.6 | 177.7 | 178.3 |
| 52.5°  | 171.1 | 168.1 | 166.3 | 165.0 | 164.8 | 165.0 | 165.0 | 166.5 | 167.9 | 168.3 | 168.6 |
| 55°    | 153.5 | 151.4 | 151.0 | 149.0 | 149.9 | 149.7 | 150.7 | 151.6 | 152.9 | 154.2 | 154.4 |
| 57.5°  | 136.0 | 134.3 | 133.2 | 133.4 | 133.7 | 134.6 | 135.4 | 137.0 | 138.3 | 139.7 | 139.8 |
| 60°    | 124.4 | 123.6 | 122.9 | 122.9 | 123.3 | 124.6 | 125.6 | 127.1 | 128.0 | 128.9 | 129.5 |
| 62.5°  | 113.8 | 112.9 | 112.3 | 112.6 | 113.8 | 114.5 | 115.7 | 116.6 | 117.4 | 118.3 | 118.6 |
| 65°    | 97.0  | 96.6  | 97.2  | 97.6  | 97.8  | 98.9  | 100.4 | 101.0 | 101.9 | 102.4 | 103.9 |
| 67.5°  | 81.5  | 81.6  | 81.5  | 82.1  | 83.4  | 83.6  | 85.0  | 86.5  | 86.7  | 87.6  | 88.5  |
| 70°    | 71.1  | 71.5  | 71.9  | 72.4  | 73.4  | 73.9  | 74.9  | 75.6  | 76.4  | 77.1  | 77.8  |
| 72.5°  | 61.5  | 61.5  | 62.0  | 61.9  | 62.9  | 63.7  | 64.7  | 65.3  | 66.2  | 67.0  | 67.6  |
| 75°    | 47.3  | 47.3  | 47.8  | 48.0  | 49.0  | 50.1  | 49.9  | 50.3  | 51.2  | 52.0  | 52.5  |
| 77.5°  | 34.6  | 34.1  | 34.6  | 34.8  | 35.2  | 36.0  | 36.2  | 36.8  | 37.8  | 37.5  | 38.0  |
| 80°    | 26.3  | 25.7  | 26.3  | 26.6  | 26.6  | 27.6  | 27.6  | 28.1  | 28.7  | 28.1  | 28.7  |
| 82.5°  | 18.8  | 18.5  | 18.9  | 19.0  | 19.3  | 19.4  | 19.7  | 19.8  | 20.5  | 20.2  | 20.5  |
| 85°    | 9.4   | 9.2   | 9.4   | 9.2   | 9.4   | 9.6   | 9.6   | 9.4   | 9.4   | 9.8   | 9.2   |
| 87.5°  | 4.8   | 5.1   | 5.2   | 5.6   | 5.7   | 5.8   | 5.8   | 6.0   | 6.2   | 6.1   | 6.2   |
| 90°    | 9.7   | 11.6  | 13.2  | 14.8  | 16.4  | 18.0  | 19.0  | 20.0  | 21.0  | 22.1  | 22.7  |
| 92.5°  | 17.4  | 17.7  | 18.5  | 19.3  | 20.1  | 20.9  | 21.4  | 22.0  | 22.4  | 23.0  | 23.4  |
| 95°    | 32.1  | 29.5  | 30.9  | 32.3  | 33.7  | 35.2  | 36.1  | 37.1  | 38.2  | 39.1  | 39.5  |
| 97.5°  | 41.8  | 34.0  | 37.3  | 40.5  | 43.7  | 47.0  | 47.8  | 48.6  | 49.4  | 50.2  | 50.7  |
| 100°   | 49.8  | 37.7  | 41.1  | 44.5  | 48.0  | 51.4  | 53.0  | 54.6  | 56.2  | 57.8  | 58.7  |
| 102.5° | 183.7 | 166.6 | 138.2 | 109.7 | 81.2  | 52.8  | 54.9  | 56.9  | 59.0  | 61.1  | 62.4  |
| 105°   | 297.8 | 273.5 | 218.9 | 164.2 | 109.6 | 55.0  | 57.1  | 59.4  | 61.5  | 63.7  | 65.2  |
| 107.5° | 369.4 | 339.0 | 273.5 | 207.9 | 142.4 | 76.9  | 74.6  | 72.4  | 70.2  | 68.0  | 67.2  |
| 110°   | 415.8 | 389.0 | 331.1 | 273.3 | 215.5 | 157.6 | 137.6 | 117.5 | 97.6  | 77.6  | 68.0  |



TEST NUMBER: P331477-830

CATALOG NUMBER: S122DIW-S290D970U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 460.0  | 454.7  | 440.5  | 426.1  | 411.8  | 397.6  | 324.5  | 251.5  | 178.5  | 105.5  | 69.3   |
| 115°   | 531.5  | 535.6  | 540.6  | 545.6  | 550.7  | 555.7  | 463.0  | 370.3  | 277.7  | 185.0  | 131.5  |
| 117.5° | 598.1  | 601.7  | 605.2  | 608.6  | 612.1  | 615.5  | 593.0  | 570.6  | 548.3  | 525.8  | 491.0  |
| 120°   | 642.4  | 645.7  | 649.3  | 653.0  | 656.6  | 660.2  | 662.6  | 665.0  | 667.3  | 669.8  | 657.4  |
| 122.5° | 683.4  | 687.0  | 690.9  | 694.8  | 698.7  | 702.7  | 704.1  | 705.6  | 707.0  | 708.4  | 706.5  |
| 125°   | 742.6  | 745.8  | 749.6  | 753.5  | 757.2  | 761.0  | 762.4  | 763.8  | 765.3  | 766.7  | 767.6  |
| 127.5° | 799.4  | 802.3  | 805.1  | 807.9  | 810.8  | 813.6  | 815.7  | 817.7  | 819.7  | 821.8  | 822.8  |
| 130°   | 835.9  | 838.7  | 840.8  | 843.1  | 845.3  | 847.5  | 849.7  | 851.9  | 854.1  | 856.3  | 857.3  |
| 132.5° | 870.1  | 872.5  | 874.8  | 876.9  | 879.1  | 881.4  | 883.3  | 885.1  | 887.0  | 888.9  | 889.8  |
| 135°   | 918.9  | 921.3  | 923.1  | 924.9  | 926.7  | 928.6  | 930.6  | 932.6  | 934.5  | 936.5  | 937.4  |
| 137.5° | 962.3  | 964.5  | 966.6  | 968.6  | 970.6  | 972.7  | 974.7  | 976.6  | 978.5  | 980.5  | 981.2  |
| 140°   | 990.8  | 992.7  | 994.9  | 997.1  | 999.3  | 1001.5 | 1003.3 | 1005.1 | 1006.9 | 1008.7 | 1009.1 |
| 142.5° | 1016.1 | 1018.0 | 1020.6 | 1023.1 | 1025.7 | 1028.1 | 1029.8 | 1031.4 | 1033.1 | 1034.7 | 1035.0 |
| 145°   | 1050.3 | 1051.9 | 1055.3 | 1058.7 | 1062.1 | 1065.5 | 1066.9 | 1068.3 | 1069.7 | 1071.0 | 1071.3 |
| 147.5° | 1083.5 | 1084.8 | 1088.2 | 1091.5 | 1094.9 | 1098.3 | 1099.3 | 1100.3 | 1101.4 | 1102.4 | 1102.5 |
| 150°   | 1104.0 | 1104.8 | 1108.1 | 1111.3 | 1114.5 | 1117.7 | 1118.9 | 1120.1 | 1121.2 | 1122.5 | 1122.6 |
| 152.5° | 1122.8 | 1123.5 | 1126.5 | 1129.6 | 1132.7 | 1135.7 | 1136.9 | 1138.1 | 1139.3 | 1140.5 | 1140.5 |
| 155°   | 1150.1 | 1150.4 | 1152.8 | 1155.2 | 1157.6 | 1160.0 | 1161.2 | 1162.4 | 1163.6 | 1164.8 | 1164.6 |
| 157.5° | 1173.4 | 1173.5 | 1175.2 | 1176.9 | 1178.5 | 1180.2 | 1181.6 | 1182.9 | 1184.3 | 1185.6 | 1185.5 |
| 160°   | 1187.6 | 1187.6 | 1188.8 | 1190.1 | 1191.3 | 1192.4 | 1193.6 | 1194.9 | 1196.0 | 1197.2 | 1197.1 |
| 162.5° | 1199.2 | 1199.1 | 1200.1 | 1201.2 | 1202.2 | 1203.2 | 1204.6 | 1206.0 | 1207.3 | 1208.7 | 1208.5 |
| 165°   | 1214.7 | 1214.4 | 1214.9 | 1215.5 | 1216.2 | 1216.7 | 1218.1 | 1219.6 | 1221.0 | 1222.4 | 1222.4 |
| 167.5° | 1226.2 | 1225.9 | 1226.4 | 1227.0 | 1227.6 | 1228.1 | 1229.5 | 1230.9 | 1232.3 | 1233.7 | 1233.5 |
| 170°   | 1232.7 | 1232.3 | 1232.7 | 1233.0 | 1233.5 | 1233.9 | 1235.3 | 1236.7 | 1238.0 | 1239.4 | 1239.3 |
| 172.5° | 1237.0 | 1236.6 | 1237.0 | 1237.4 | 1237.7 | 1238.2 | 1239.6 | 1241.0 | 1242.4 | 1243.8 | 1243.6 |
| 175°   | 1241.8 | 1241.2 | 1241.7 | 1242.1 | 1242.5 | 1242.8 | 1244.3 | 1245.7 | 1247.1 | 1248.5 | 1248.2 |
| 177.5° | 1243.8 | 1243.3 | 1243.5 | 1243.6 | 1243.8 | 1244.0 | 1245.1 | 1246.2 | 1247.3 | 1248.4 | 1248.3 |
| 180°   | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 |



TEST NUMBER: P331477-830

CATALOG NUMBER: S122DIW-S290D970U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 |
| 2.5°   | 534.3 | 534.0 | 534.0 | 532.4 | 534.0 | 534.0 | 534.3 | 536.0 | 536.6 | 536.9 | 536.2 |
| 5°     | 495.7 | 495.0 | 494.0 | 495.0 | 494.0 | 495.0 | 495.7 | 498.7 | 500.2 | 501.6 | 502.9 |
| 7.5°   | 457.4 | 454.9 | 454.5 | 451.9 | 454.5 | 454.9 | 457.4 | 458.8 | 461.8 | 465.2 | 468.3 |
| 10°    | 429.5 | 427.8 | 427.5 | 423.5 | 427.5 | 427.8 | 429.5 | 433.2 | 436.1 | 440.2 | 444.5 |
| 12.5°  | 408.3 | 404.2 | 405.0 | 402.7 | 405.0 | 404.2 | 408.3 | 408.3 | 411.8 | 414.3 | 421.0 |
| 15°    | 371.5 | 371.5 | 370.6 | 367.0 | 370.6 | 371.5 | 371.5 | 377.3 | 378.3 | 382.4 | 388.1 |
| 17.5°  | 345.1 | 344.6 | 342.6 | 343.7 | 342.6 | 344.6 | 345.1 | 349.3 | 350.1 | 355.4 | 360.2 |
| 20°    | 329.3 | 328.0 | 325.5 | 325.5 | 325.5 | 328.0 | 329.3 | 331.7 | 334.4 | 337.6 | 341.8 |
| 22.5°  | 314.4 | 314.3 | 311.6 | 312.5 | 311.6 | 314.3 | 314.4 | 316.6 | 319.2 | 322.7 | 326.1 |
| 25°    | 297.0 | 295.3 | 294.0 | 294.6 | 294.0 | 295.3 | 297.0 | 297.2 | 300.2 | 302.6 | 304.7 |
| 27.5°  | 280.4 | 279.5 | 279.4 | 277.7 | 279.4 | 279.5 | 280.4 | 281.0 | 282.7 | 284.1 | 286.1 |
| 30°    | 270.9 | 268.7 | 269.1 | 268.1 | 269.1 | 268.7 | 270.9 | 271.1 | 271.9 | 272.8 | 275.1 |
| 32.5°  | 259.9 | 259.1 | 258.7 | 257.8 | 258.7 | 259.1 | 259.9 | 260.2 | 262.0 | 262.9 | 264.7 |
| 35°    | 245.0 | 245.2 | 244.1 | 244.5 | 244.1 | 245.2 | 245.0 | 245.3 | 245.6 | 246.5 | 248.2 |
| 37.5°  | 231.9 | 232.5 | 232.1 | 232.1 | 232.1 | 232.5 | 231.9 | 232.1 | 232.3 | 232.4 | 233.0 |
| 40°    | 223.3 | 223.3 | 223.3 | 223.9 | 223.3 | 223.3 | 223.3 | 222.7 | 222.9 | 222.7 | 222.7 |
| 42.5°  | 215.1 | 214.7 | 214.4 | 214.3 | 214.4 | 214.7 | 215.1 | 213.6 | 214.3 | 213.6 | 213.3 |
| 45°    | 201.0 | 201.7 | 201.9 | 200.9 | 201.9 | 201.7 | 201.0 | 200.7 | 200.0 | 199.7 | 199.5 |
| 47.5°  | 188.3 | 188.4 | 188.3 | 189.3 | 188.3 | 188.4 | 188.3 | 187.8 | 186.8 | 186.4 | 185.4 |
| 50°    | 179.5 | 179.0 | 179.5 | 179.0 | 179.5 | 179.0 | 179.5 | 178.3 | 177.7 | 176.6 | 175.8 |
| 52.5°  | 170.0 | 170.1 | 169.8 | 169.8 | 169.8 | 170.1 | 170.0 | 168.6 | 168.3 | 167.9 | 166.5 |
| 55°    | 155.2 | 155.6 | 155.4 | 155.4 | 155.4 | 155.6 | 155.2 | 154.4 | 154.2 | 152.9 | 151.6 |
| 57.5°  | 140.0 | 140.3 | 140.6 | 139.7 | 140.6 | 140.3 | 140.0 | 139.8 | 139.7 | 138.3 | 137.0 |
| 60°    | 129.3 | 130.4 | 130.2 | 129.8 | 130.2 | 130.4 | 129.3 | 129.5 | 128.9 | 128.0 | 127.1 |
| 62.5°  | 119.5 | 120.0 | 119.9 | 119.8 | 119.9 | 120.0 | 119.5 | 118.6 | 118.3 | 117.4 | 116.6 |
| 65°    | 104.5 | 104.9 | 104.2 | 104.9 | 104.2 | 104.9 | 104.5 | 103.9 | 102.4 | 101.9 | 101.0 |
| 67.5°  | 88.2  | 88.4  | 88.9  | 89.2  | 88.9  | 88.4  | 88.2  | 88.5  | 87.6  | 86.7  | 86.5  |
| 70°    | 78.1  | 77.9  | 78.6  | 79.3  | 78.6  | 77.9  | 78.1  | 77.8  | 77.1  | 76.4  | 75.6  |
| 72.5°  | 67.5  | 68.0  | 67.8  | 68.2  | 67.8  | 68.0  | 67.5  | 67.6  | 67.0  | 66.2  | 65.3  |
| 75°    | 52.0  | 52.7  | 52.5  | 53.1  | 52.5  | 52.7  | 52.0  | 52.5  | 52.0  | 51.2  | 50.3  |
| 77.5°  | 37.6  | 37.7  | 37.6  | 38.0  | 37.6  | 37.7  | 37.6  | 38.0  | 37.5  | 37.8  | 36.8  |
| 80°    | 28.7  | 28.3  | 27.8  | 28.7  | 27.8  | 28.3  | 28.7  | 28.7  | 28.1  | 28.7  | 28.1  |
| 82.5°  | 20.0  | 20.2  | 19.8  | 19.8  | 19.8  | 20.2  | 20.0  | 20.5  | 20.2  | 20.5  | 19.8  |
| 85°    | 9.2   | 9.0   | 8.6   | 8.6   | 8.6   | 9.0   | 9.2   | 9.2   | 9.8   | 9.4   | 9.4   |
| 87.5°  | 6.3   | 6.2   | 6.3   | 6.2   | 6.3   | 6.2   | 6.3   | 6.2   | 6.1   | 6.2   | 6.0   |
| 90°    | 23.1  | 23.5  | 23.9  | 24.3  | 23.9  | 23.5  | 23.1  | 22.7  | 22.1  | 21.0  | 20.0  |
| 92.5°  | 23.6  | 23.8  | 24.0  | 24.3  | 24.0  | 23.8  | 23.6  | 23.4  | 23.0  | 22.4  | 22.0  |
| 95°    | 39.3  | 39.1  | 38.9  | 38.7  | 38.9  | 39.1  | 39.3  | 39.5  | 39.1  | 38.2  | 37.1  |
| 97.5°  | 51.0  | 51.2  | 51.5  | 51.7  | 51.5  | 51.2  | 51.0  | 50.7  | 50.2  | 49.4  | 48.6  |
| 100°   | 59.1  | 59.6  | 59.9  | 60.3  | 59.9  | 59.6  | 59.1  | 58.7  | 57.8  | 56.2  | 54.6  |
| 102.5° | 63.0  | 63.5  | 64.1  | 64.7  | 64.1  | 63.5  | 63.0  | 62.4  | 61.1  | 59.0  | 56.9  |
| 105°   | 66.1  | 66.8  | 67.7  | 68.4  | 67.7  | 66.8  | 66.1  | 65.2  | 63.7  | 61.5  | 59.4  |
| 107.5° | 68.1  | 68.8  | 69.7  | 70.4  | 69.7  | 68.8  | 68.1  | 67.2  | 68.0  | 70.2  | 72.4  |
| 110°   | 68.7  | 69.6  | 70.3  | 71.2  | 70.3  | 69.6  | 68.7  | 68.0  | 77.6  | 97.6  | 117.5 |



TEST NUMBER: P331477-830

CATALOG NUMBER: S122DIW-S290D970U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 69.9   | 70.6   | 71.3   | 71.9   | 71.3   | 70.6   | 69.9   | 69.3   | 105.5  | 178.5  | 251.5  |
| 115°   | 117.1  | 102.6  | 88.2   | 73.9   | 88.2   | 102.6  | 117.1  | 131.5  | 185.0  | 277.7  | 370.3  |
| 117.5° | 443.6  | 396.2  | 348.9  | 301.5  | 348.9  | 396.2  | 443.6  | 491.0  | 525.8  | 548.3  | 570.6  |
| 120°   | 630.5  | 603.4  | 576.4  | 549.4  | 576.4  | 603.4  | 630.5  | 657.4  | 669.8  | 667.3  | 665.0  |
| 122.5° | 701.3  | 696.1  | 690.8  | 685.6  | 690.8  | 696.1  | 701.3  | 706.5  | 708.4  | 707.0  | 705.6  |
| 125°   | 768.3  | 768.8  | 769.4  | 770.1  | 769.4  | 768.8  | 768.3  | 767.6  | 766.7  | 765.3  | 763.8  |
| 127.5° | 823.0  | 823.1  | 823.2  | 823.3  | 823.2  | 823.1  | 823.0  | 822.8  | 821.8  | 819.7  | 817.7  |
| 130°   | 857.1  | 856.9  | 856.7  | 856.5  | 856.7  | 856.9  | 857.1  | 857.3  | 856.3  | 854.1  | 851.9  |
| 132.5° | 889.5  | 889.3  | 889.1  | 888.9  | 889.1  | 889.3  | 889.5  | 889.8  | 888.9  | 887.0  | 885.1  |
| 135°   | 937.0  | 936.5  | 936.1  | 935.8  | 936.1  | 936.5  | 937.0  | 937.4  | 936.5  | 934.5  | 932.6  |
| 137.5° | 980.5  | 979.8  | 979.1  | 978.5  | 979.1  | 979.8  | 980.5  | 981.2  | 980.5  | 978.5  | 976.6  |
| 140°   | 1008.1 | 1007.1 | 1006.1 | 1005.1 | 1006.1 | 1007.1 | 1008.1 | 1009.1 | 1008.7 | 1006.9 | 1005.1 |
| 142.5° | 1034.1 | 1033.0 | 1032.1 | 1031.0 | 1032.1 | 1033.0 | 1034.1 | 1035.0 | 1034.7 | 1033.1 | 1031.4 |
| 145°   | 1070.3 | 1069.2 | 1068.3 | 1067.2 | 1068.3 | 1069.2 | 1070.3 | 1071.3 | 1071.0 | 1069.7 | 1068.3 |
| 147.5° | 1101.6 | 1100.8 | 1099.9 | 1099.1 | 1099.9 | 1100.8 | 1101.6 | 1102.5 | 1102.4 | 1101.4 | 1100.3 |
| 150°   | 1121.6 | 1120.6 | 1119.6 | 1118.6 | 1119.6 | 1120.6 | 1121.6 | 1122.6 | 1122.5 | 1121.2 | 1120.1 |
| 152.5° | 1139.2 | 1137.8 | 1136.5 | 1135.2 | 1136.5 | 1137.8 | 1139.2 | 1140.5 | 1140.5 | 1139.3 | 1138.1 |
| 155°   | 1163.0 | 1161.4 | 1159.8 | 1158.2 | 1159.8 | 1161.4 | 1163.0 | 1164.6 | 1164.8 | 1163.6 | 1162.4 |
| 157.5° | 1183.9 | 1182.4 | 1180.8 | 1179.3 | 1180.8 | 1182.4 | 1183.9 | 1185.5 | 1185.6 | 1184.3 | 1182.9 |
| 160°   | 1195.7 | 1194.3 | 1193.0 | 1191.6 | 1193.0 | 1194.3 | 1195.7 | 1197.1 | 1197.2 | 1196.0 | 1194.9 |
| 162.5° | 1206.7 | 1205.0 | 1203.3 | 1201.6 | 1203.3 | 1205.0 | 1206.7 | 1208.5 | 1208.7 | 1207.3 | 1206.0 |
| 165°   | 1221.0 | 1219.6 | 1218.1 | 1216.7 | 1218.1 | 1219.6 | 1221.0 | 1222.4 | 1222.4 | 1221.0 | 1219.6 |
| 167.5° | 1231.7 | 1229.9 | 1228.1 | 1226.3 | 1228.1 | 1229.9 | 1231.7 | 1233.5 | 1233.7 | 1232.3 | 1230.9 |
| 170°   | 1237.5 | 1235.7 | 1233.9 | 1232.1 | 1233.9 | 1235.7 | 1237.5 | 1239.3 | 1239.4 | 1238.0 | 1236.7 |
| 172.5° | 1241.8 | 1240.0 | 1238.2 | 1236.4 | 1238.2 | 1240.0 | 1241.8 | 1243.6 | 1243.8 | 1242.4 | 1241.0 |
| 175°   | 1246.1 | 1244.2 | 1242.2 | 1240.2 | 1242.2 | 1244.2 | 1246.1 | 1248.2 | 1248.5 | 1247.1 | 1245.7 |
| 177.5° | 1246.8 | 1245.4 | 1244.0 | 1242.6 | 1244.0 | 1245.4 | 1246.8 | 1248.3 | 1248.4 | 1247.3 | 1246.2 |
| 180°   | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 |



TEST NUMBER: P331477-830

CATALOG NUMBER: S122DIW-S290D970U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 |
| 2.5°   | 535.4 | 537.2 | 540.2 | 543.3 | 545.2 | 548.7 | 549.8 | 551.5 | 553.0 | 556.6 | 560.3 |
| 5°     | 504.4 | 507.5 | 514.5 | 518.4 | 523.7 | 529.9 | 534.0 | 538.3 | 543.0 | 551.1 | 558.6 |
| 7.5°   | 471.3 | 476.3 | 485.1 | 492.3 | 499.9 | 508.8 | 515.2 | 523.7 | 530.7 | 542.2 | 553.2 |
| 10°    | 449.2 | 456.3 | 464.2 | 472.8 | 483.4 | 492.9 | 501.9 | 512.6 | 521.1 | 534.9 | 547.7 |
| 12.5°  | 429.3 | 430.4 | 441.8 | 451.2 | 465.8 | 477.5 | 487.9 | 501.6 | 510.0 | 526.3 | 539.8 |
| 15°    | 394.6 | 401.1 | 411.3 | 418.8 | 436.1 | 450.9 | 465.5 | 479.8 | 489.5 | 509.6 | 527.4 |
| 17.5°  | 365.3 | 371.3 | 381.8 | 394.1 | 406.5 | 421.2 | 440.1 | 455.2 | 468.3 | 491.3 | 512.4 |
| 20°    | 346.9 | 354.1 | 364.9 | 377.5 | 388.4 | 404.4 | 420.8 | 438.1 | 452.2 | 478.2 | 502.8 |
| 22.5°  | 331.1 | 336.9 | 345.5 | 358.0 | 369.9 | 384.6 | 402.4 | 421.3 | 436.1 | 464.1 | 489.0 |
| 25°    | 309.0 | 313.7 | 319.2 | 329.5 | 343.0 | 359.1 | 373.0 | 393.8 | 415.4 | 441.5 | 471.6 |
| 27.5°  | 289.0 | 292.4 | 297.3 | 306.3 | 316.8 | 331.8 | 347.2 | 366.9 | 388.7 | 417.1 | 448.9 |
| 30°    | 276.8 | 279.0 | 283.9 | 291.4 | 301.7 | 313.5 | 329.1 | 347.9 | 370.2 | 398.9 | 430.6 |
| 32.5°  | 266.3 | 268.2 | 271.5 | 278.5 | 287.5 | 297.6 | 311.6 | 330.5 | 351.7 | 379.8 | 415.0 |
| 35°    | 250.3 | 251.8 | 254.6 | 260.3 | 265.3 | 275.1 | 286.9 | 304.1 | 324.0 | 350.9 | 387.3 |
| 37.5°  | 234.4 | 236.5 | 238.2 | 240.6 | 246.9 | 253.4 | 263.6 | 278.1 | 297.7 | 324.9 | 359.6 |
| 40°    | 223.9 | 225.6 | 228.3 | 229.3 | 234.4 | 240.3 | 248.5 | 261.8 | 281.5 | 306.4 | 340.3 |
| 42.5°  | 213.3 | 215.1 | 216.6 | 217.8 | 222.3 | 227.3 | 234.9 | 246.3 | 263.7 | 287.9 | 321.4 |
| 45°    | 198.9 | 199.2 | 200.7 | 203.0 | 205.1 | 208.8 | 214.1 | 223.9 | 237.4 | 260.1 | 290.6 |
| 47.5°  | 184.3 | 184.5 | 184.7 | 185.8 | 188.1 | 191.4 | 195.0 | 203.0 | 215.1 | 233.2 | 262.8 |
| 50°    | 174.5 | 174.1 | 174.5 | 175.3 | 176.8 | 179.6 | 183.7 | 189.5 | 199.3 | 216.2 | 243.5 |
| 52.5°  | 165.0 | 165.0 | 164.8 | 165.0 | 166.3 | 168.1 | 171.1 | 176.0 | 184.7 | 200.3 | 224.2 |
| 55°    | 150.7 | 149.7 | 149.9 | 149.0 | 151.0 | 151.4 | 153.5 | 157.6 | 165.3 | 176.0 | 198.5 |
| 57.5°  | 135.4 | 134.6 | 133.7 | 133.4 | 133.2 | 134.3 | 136.0 | 139.2 | 145.2 | 154.6 | 172.8 |
| 60°    | 125.6 | 124.6 | 123.3 | 122.9 | 122.9 | 123.6 | 124.4 | 126.8 | 132.3 | 140.6 | 155.6 |
| 62.5°  | 115.7 | 114.5 | 113.8 | 112.6 | 112.3 | 112.9 | 113.8 | 115.5 | 119.5 | 127.3 | 140.3 |
| 65°    | 100.4 | 98.9  | 97.8  | 97.6  | 97.2  | 96.6  | 97.0  | 98.7  | 101.9 | 108.1 | 118.4 |
| 67.5°  | 85.0  | 83.6  | 83.4  | 82.1  | 81.5  | 81.6  | 81.5  | 82.9  | 84.9  | 90.3  | 97.9  |
| 70°    | 74.9  | 73.9  | 73.4  | 72.4  | 71.9  | 71.5  | 71.1  | 72.4  | 74.3  | 78.8  | 85.4  |
| 72.5°  | 64.7  | 63.7  | 62.9  | 61.9  | 62.0  | 61.5  | 61.5  | 62.3  | 63.8  | 68.0  | 73.1  |
| 75°    | 49.9  | 50.1  | 49.0  | 48.0  | 47.8  | 47.3  | 47.3  | 48.0  | 48.6  | 51.8  | 55.9  |
| 77.5°  | 36.2  | 36.0  | 35.2  | 34.8  | 34.6  | 34.1  | 34.6  | 35.0  | 35.3  | 37.5  | 40.4  |
| 80°    | 27.6  | 27.6  | 26.6  | 26.6  | 26.3  | 25.7  | 26.3  | 25.9  | 26.8  | 28.9  | 31.0  |
| 82.5°  | 19.7  | 19.4  | 19.3  | 19.0  | 18.9  | 18.5  | 18.8  | 19.2  | 19.6  | 21.0  | 22.3  |
| 85°    | 9.6   | 9.6   | 9.4   | 9.2   | 9.4   | 9.2   | 9.4   | 9.6   | 9.8   | 10.5  | 11.6  |
| 87.5°  | 5.8   | 5.8   | 5.7   | 5.6   | 5.2   | 5.1   | 4.8   | 4.6   | 4.5   | 4.2   | 4.0   |
| 90°    | 19.0  | 18.0  | 16.4  | 14.8  | 13.2  | 11.6  | 9.7   | 7.5   | 5.3   | 3.1   | 0.9   |
| 92.5°  | 21.4  | 20.9  | 20.1  | 19.3  | 18.5  | 17.7  | 17.4  | 17.6  | 17.8  | 18.0  | 18.2  |
| 95°    | 36.1  | 35.2  | 33.7  | 32.3  | 30.9  | 29.5  | 32.1  | 38.7  | 45.3  | 51.9  | 58.5  |
| 97.5°  | 47.8  | 47.0  | 43.7  | 40.5  | 37.3  | 34.0  | 41.8  | 60.3  | 79.0  | 97.6  | 116.2 |
| 100°   | 53.0  | 51.4  | 48.0  | 44.5  | 41.1  | 37.7  | 49.8  | 77.2  | 104.5 | 132.0 | 159.4 |
| 102.5° | 54.9  | 52.8  | 81.2  | 109.7 | 138.2 | 166.6 | 183.7 | 189.5 | 195.4 | 201.1 | 207.0 |
| 105°   | 57.1  | 55.0  | 109.6 | 164.2 | 218.9 | 273.5 | 297.8 | 291.8 | 285.8 | 279.8 | 273.8 |
| 107.5° | 74.6  | 76.9  | 142.4 | 207.9 | 273.5 | 339.0 | 369.4 | 364.5 | 359.7 | 354.9 | 350.0 |
| 110°   | 137.6 | 157.6 | 215.5 | 273.3 | 331.1 | 389.0 | 415.8 | 411.6 | 407.4 | 403.2 | 399.0 |



TEST NUMBER: P331477-830

CATALOG NUMBER: S122DIW-S290D970U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 324.5  | 397.6  | 411.8  | 426.1  | 440.5  | 454.7  | 460.0  | 456.3  | 452.5  | 448.8  | 445.1  |
| 115°   | 463.0  | 555.7  | 550.7  | 545.6  | 540.6  | 535.6  | 531.5  | 528.1  | 524.7  | 521.2  | 517.8  |
| 117.5° | 593.0  | 615.5  | 612.1  | 608.6  | 605.2  | 601.7  | 598.1  | 594.3  | 590.5  | 586.7  | 582.9  |
| 120°   | 662.6  | 660.2  | 656.6  | 653.0  | 649.3  | 645.7  | 642.4  | 639.4  | 636.4  | 633.5  | 630.5  |
| 122.5° | 704.1  | 702.7  | 698.7  | 694.8  | 690.9  | 687.0  | 683.4  | 680.2  | 677.1  | 673.9  | 670.8  |
| 125°   | 762.4  | 761.0  | 757.2  | 753.5  | 749.6  | 745.8  | 742.6  | 740.0  | 737.4  | 734.8  | 732.2  |
| 127.5° | 815.7  | 813.6  | 810.8  | 807.9  | 805.1  | 802.3  | 799.4  | 796.5  | 793.6  | 790.8  | 787.9  |
| 130°   | 849.7  | 847.5  | 845.3  | 843.1  | 840.8  | 838.7  | 835.9  | 832.7  | 829.6  | 826.4  | 823.2  |
| 132.5° | 883.3  | 881.4  | 879.1  | 876.9  | 874.8  | 872.5  | 870.1  | 867.3  | 864.7  | 862.0  | 859.2  |
| 135°   | 930.6  | 928.6  | 926.7  | 924.9  | 923.1  | 921.3  | 918.9  | 915.7  | 912.5  | 909.3  | 906.1  |
| 137.5° | 974.7  | 972.7  | 970.6  | 968.6  | 966.6  | 964.5  | 962.3  | 960.2  | 957.9  | 955.6  | 953.4  |
| 140°   | 1003.3 | 1001.5 | 999.3  | 997.1  | 994.9  | 992.7  | 990.8  | 989.2  | 987.6  | 986.0  | 984.4  |
| 142.5° | 1029.8 | 1028.1 | 1025.7 | 1023.1 | 1020.6 | 1018.0 | 1016.1 | 1014.6 | 1013.2 | 1011.7 | 1010.3 |
| 145°   | 1066.9 | 1065.5 | 1062.1 | 1058.7 | 1055.3 | 1051.9 | 1050.3 | 1050.5 | 1050.7 | 1050.8 | 1051.0 |
| 147.5° | 1099.3 | 1098.3 | 1094.9 | 1091.5 | 1088.2 | 1084.8 | 1083.5 | 1084.2 | 1085.0 | 1085.7 | 1086.6 |
| 150°   | 1118.9 | 1117.7 | 1114.5 | 1111.3 | 1108.1 | 1104.8 | 1104.0 | 1105.4 | 1106.7 | 1108.1 | 1109.6 |
| 152.5° | 1136.9 | 1135.7 | 1132.7 | 1129.6 | 1126.5 | 1123.5 | 1122.8 | 1124.4 | 1125.9 | 1127.5 | 1129.1 |
| 155°   | 1161.2 | 1160.0 | 1157.6 | 1155.2 | 1152.8 | 1150.4 | 1150.1 | 1151.9 | 1153.7 | 1155.5 | 1157.3 |
| 157.5° | 1181.6 | 1180.2 | 1178.5 | 1176.9 | 1175.2 | 1173.5 | 1173.4 | 1174.9 | 1176.4 | 1178.0 | 1179.5 |
| 160°   | 1193.6 | 1192.4 | 1191.3 | 1190.1 | 1188.8 | 1187.6 | 1187.6 | 1188.8 | 1190.1 | 1191.3 | 1192.4 |
| 162.5° | 1204.6 | 1203.2 | 1202.2 | 1201.2 | 1200.1 | 1199.1 | 1199.2 | 1200.3 | 1201.6 | 1202.8 | 1204.0 |
| 165°   | 1218.1 | 1216.7 | 1216.2 | 1215.5 | 1214.9 | 1214.4 | 1214.7 | 1215.9 | 1217.0 | 1218.2 | 1219.5 |
| 167.5° | 1229.5 | 1228.1 | 1227.6 | 1227.0 | 1226.4 | 1225.9 | 1226.2 | 1227.4 | 1228.6 | 1229.7 | 1231.0 |
| 170°   | 1235.3 | 1233.9 | 1233.5 | 1233.0 | 1232.7 | 1232.3 | 1232.7 | 1233.9 | 1235.1 | 1236.2 | 1237.5 |
| 172.5° | 1239.6 | 1238.2 | 1237.7 | 1237.4 | 1237.0 | 1236.6 | 1237.0 | 1238.2 | 1239.3 | 1240.6 | 1241.8 |
| 175°   | 1244.3 | 1242.8 | 1242.5 | 1242.1 | 1241.7 | 1241.2 | 1241.8 | 1243.2 | 1244.5 | 1245.9 | 1247.4 |
| 177.5° | 1245.1 | 1244.0 | 1243.8 | 1243.6 | 1243.5 | 1243.3 | 1243.8 | 1244.9 | 1246.0 | 1247.2 | 1248.3 |
| 180°   | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 |



TEST NUMBER: P331477-830

CATALOG NUMBER: S122DIW-S290D970U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 |
| 2.5°   | 560.1 | 560.9 | 563.6 | 566.4 | 569.5 | 570.3 | 571.7 | 570.5 | 570.1 | 573.3 | 575.8 |
| 5°     | 561.7 | 565.4 | 573.0 | 579.9 | 585.6 | 589.7 | 594.0 | 595.7 | 598.9 | 603.3 | 609.0 |
| 7.5°   | 559.8 | 567.3 | 579.1 | 589.1 | 599.9 | 607.8 | 613.9 | 619.2 | 625.5 | 634.0 | 643.3 |
| 10°    | 557.8 | 567.8 | 582.2 | 594.4 | 607.7 | 617.7 | 626.0 | 634.2 | 643.7 | 655.4 | 667.6 |
| 12.5°  | 554.0 | 565.9 | 583.9 | 598.3 | 615.4 | 625.3 | 636.5 | 654.0 | 664.2 | 680.6 | 697.8 |
| 15°    | 546.4 | 559.7 | 584.8 | 602.5 | 621.8 | 640.6 | 661.4 | 678.1 | 694.7 | 704.5 | 728.6 |
| 17.5°  | 535.2 | 554.6 | 582.4 | 603.1 | 627.6 | 657.2 | 680.6 | 699.6 | 718.8 | 734.4 | 746.6 |
| 20°    | 526.0 | 547.2 | 579.0 | 603.8 | 632.9 | 664.8 | 691.5 | 710.9 | 727.5 | 740.6 | 748.1 |
| 22.5°  | 514.6 | 541.3 | 572.1 | 601.2 | 638.4 | 670.0 | 698.0 | 713.2 | 727.2 | 733.6 | 736.5 |
| 25°    | 496.5 | 528.7 | 563.5 | 599.1 | 641.0 | 674.5 | 700.1 | 709.4 | 713.4 | 707.2 | 696.9 |
| 27.5°  | 477.0 | 512.8 | 553.6 | 595.0 | 639.4 | 671.6 | 689.9 | 688.5 | 681.6 | 661.5 | 645.5 |
| 30°    | 462.5 | 501.9 | 545.7 | 591.0 | 635.5 | 666.8 | 677.4 | 666.8 | 651.1 | 628.7 | 605.7 |
| 32.5°  | 447.2 | 488.0 | 537.3 | 585.1 | 628.3 | 655.8 | 658.1 | 639.7 | 615.5 | 589.9 | 561.4 |
| 35°    | 424.1 | 468.3 | 521.6 | 572.1 | 613.0 | 630.4 | 620.1 | 587.5 | 558.8 | 524.0 | 484.9 |
| 37.5°  | 398.0 | 446.8 | 500.2 | 553.1 | 590.1 | 594.7 | 569.1 | 534.9 | 494.4 | 453.4 | 407.5 |
| 40°    | 378.5 | 430.2 | 485.2 | 538.5 | 571.3 | 566.6 | 534.0 | 496.3 | 448.2 | 398.0 | 355.4 |
| 42.5°  | 361.1 | 412.6 | 468.7 | 521.0 | 547.2 | 534.3 | 496.3 | 450.1 | 398.3 | 351.1 | 312.1 |
| 45°    | 330.8 | 383.9 | 441.3 | 491.8 | 506.8 | 483.4 | 433.2 | 381.7 | 330.8 | 291.4 | 260.6 |
| 47.5°  | 301.4 | 353.9 | 410.8 | 455.2 | 460.4 | 429.0 | 374.1 | 321.2 | 277.4 | 245.3 | 223.6 |
| 50°    | 279.8 | 332.5 | 388.8 | 428.5 | 426.7 | 388.8 | 332.3 | 282.0 | 245.3 | 219.4 | 204.9 |
| 52.5°  | 260.5 | 310.3 | 364.3 | 400.4 | 391.2 | 350.0 | 296.0 | 251.3 | 221.2 | 201.0 | 187.8 |
| 55°    | 230.4 | 276.4 | 327.8 | 356.8 | 340.0 | 294.2 | 248.5 | 212.6 | 190.3 | 175.1 | 164.9 |
| 57.5°  | 200.5 | 243.6 | 287.7 | 305.5 | 287.0 | 244.7 | 206.7 | 180.6 | 163.8 | 152.6 | 145.9 |
| 60°    | 182.0 | 219.7 | 258.8 | 274.3 | 252.2 | 214.5 | 184.5 | 161.3 | 147.7 | 138.6 | 132.5 |
| 62.5°  | 163.5 | 197.3 | 234.2 | 242.6 | 222.4 | 190.6 | 164.0 | 144.6 | 133.6 | 125.4 | 119.7 |
| 65°    | 138.3 | 166.0 | 194.0 | 199.5 | 181.0 | 156.3 | 135.3 | 122.7 | 112.8 | 106.9 | 102.4 |
| 67.5°  | 113.5 | 135.6 | 155.5 | 159.9 | 143.6 | 126.6 | 111.4 | 100.4 | 93.8  | 88.8  | 84.9  |
| 70°    | 98.7  | 116.3 | 132.5 | 136.2 | 123.1 | 107.9 | 96.3  | 87.6  | 81.5  | 77.3  | 73.6  |
| 72.5°  | 83.1  | 97.7  | 111.3 | 113.8 | 103.1 | 91.4  | 82.0  | 75.0  | 69.7  | 67.0  | 63.5  |
| 75°    | 63.6  | 72.2  | 82.7  | 83.3  | 76.3  | 69.2  | 61.9  | 57.4  | 54.6  | 51.2  | 49.5  |
| 77.5°  | 44.9  | 51.6  | 57.6  | 58.7  | 54.6  | 49.8  | 45.7  | 42.1  | 39.8  | 38.2  | 36.6  |
| 80°    | 34.2  | 39.6  | 42.2  | 43.6  | 40.7  | 37.2  | 34.9  | 32.5  | 31.0  | 30.0  | 28.9  |
| 82.5°  | 24.5  | 27.8  | 30.2  | 31.4  | 29.7  | 27.6  | 25.4  | 23.9  | 22.8  | 22.0  | 21.6  |
| 85°    | 12.4  | 13.9  | 15.5  | 15.8  | 15.5  | 14.5  | 13.3  | 13.3  | 12.6  | 12.4  | 12.4  |
| 87.5°  | 4.9   | 6.0   | 6.5   | 7.4   | 7.4   | 7.8   | 8.1   | 8.3   | 8.4   | 8.4   | 8.5   |
| 90°    | 3.1   | 5.3   | 7.5   | 9.7   | 11.6  | 13.2  | 14.8  | 16.4  | 18.0  | 19.0  | 20.0  |
| 92.5°  | 18.0  | 17.8  | 17.6  | 17.4  | 17.7  | 18.5  | 19.3  | 20.1  | 20.9  | 21.4  | 22.0  |
| 95°    | 51.9  | 45.3  | 38.7  | 32.1  | 29.5  | 30.9  | 32.3  | 33.7  | 35.2  | 36.1  | 37.1  |
| 97.5°  | 97.6  | 79.0  | 60.3  | 41.8  | 34.0  | 37.3  | 40.5  | 43.7  | 47.0  | 47.8  | 48.6  |
| 100°   | 132.0 | 104.5 | 77.2  | 49.8  | 37.7  | 41.1  | 44.5  | 48.0  | 51.4  | 53.0  | 54.6  |
| 102.5° | 201.1 | 195.4 | 189.5 | 183.7 | 166.6 | 138.2 | 109.7 | 81.2  | 52.8  | 54.9  | 56.9  |
| 105°   | 279.8 | 285.8 | 291.8 | 297.8 | 273.5 | 218.9 | 164.2 | 109.6 | 55.0  | 57.1  | 59.4  |
| 107.5° | 354.9 | 359.7 | 364.5 | 369.4 | 339.0 | 273.5 | 207.9 | 142.4 | 76.9  | 74.6  | 72.4  |
| 110°   | 403.2 | 407.4 | 411.6 | 415.8 | 389.0 | 331.1 | 273.3 | 215.5 | 157.6 | 137.6 | 117.5 |





TEST NUMBER: P331477-830

CATALOG NUMBER: S122DIW-S290D970U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 448.8  | 452.5  | 456.3  | 460.0  | 454.7  | 440.5  | 426.1  | 411.8  | 397.6  | 324.5  | 251.5  |
| 115°   | 521.2  | 524.7  | 528.1  | 531.5  | 535.6  | 540.6  | 545.6  | 550.7  | 555.7  | 463.0  | 370.3  |
| 117.5° | 586.7  | 590.5  | 594.3  | 598.1  | 601.7  | 605.2  | 608.6  | 612.1  | 615.5  | 593.0  | 570.6  |
| 120°   | 633.5  | 636.4  | 639.4  | 642.4  | 645.7  | 649.3  | 653.0  | 656.6  | 660.2  | 662.6  | 665.0  |
| 122.5° | 673.9  | 677.1  | 680.2  | 683.4  | 687.0  | 690.9  | 694.8  | 698.7  | 702.7  | 704.1  | 705.6  |
| 125°   | 734.8  | 737.4  | 740.0  | 742.6  | 745.8  | 749.6  | 753.5  | 757.2  | 761.0  | 762.4  | 763.8  |
| 127.5° | 790.8  | 793.6  | 796.5  | 799.4  | 802.3  | 805.1  | 807.9  | 810.8  | 813.6  | 815.7  | 817.7  |
| 130°   | 826.4  | 829.6  | 832.7  | 835.9  | 838.7  | 840.8  | 843.1  | 845.3  | 847.5  | 849.7  | 851.9  |
| 132.5° | 862.0  | 864.7  | 867.3  | 870.1  | 872.5  | 874.8  | 876.9  | 879.1  | 881.4  | 883.3  | 885.1  |
| 135°   | 909.3  | 912.5  | 915.7  | 918.9  | 921.3  | 923.1  | 924.9  | 926.7  | 928.6  | 930.6  | 932.6  |
| 137.5° | 955.6  | 957.9  | 960.2  | 962.3  | 964.5  | 966.6  | 968.6  | 970.6  | 972.7  | 974.7  | 976.6  |
| 140°   | 986.0  | 987.6  | 989.2  | 990.8  | 992.7  | 994.9  | 997.1  | 999.3  | 1001.5 | 1003.3 | 1005.1 |
| 142.5° | 1011.7 | 1013.2 | 1014.6 | 1016.1 | 1018.0 | 1020.6 | 1023.1 | 1025.7 | 1028.1 | 1029.8 | 1031.4 |
| 145°   | 1050.8 | 1050.7 | 1050.5 | 1050.3 | 1051.9 | 1055.3 | 1058.7 | 1062.1 | 1065.5 | 1066.9 | 1068.3 |
| 147.5° | 1085.7 | 1085.0 | 1084.2 | 1083.5 | 1084.8 | 1088.2 | 1091.5 | 1094.9 | 1098.3 | 1099.3 | 1100.3 |
| 150°   | 1108.1 | 1106.7 | 1105.4 | 1104.0 | 1104.8 | 1108.1 | 1111.3 | 1114.5 | 1117.7 | 1118.9 | 1120.1 |
| 152.5° | 1127.5 | 1125.9 | 1124.4 | 1122.8 | 1123.5 | 1126.5 | 1129.6 | 1132.7 | 1135.7 | 1136.9 | 1138.1 |
| 155°   | 1155.5 | 1153.7 | 1151.9 | 1150.1 | 1150.4 | 1152.8 | 1155.2 | 1157.6 | 1160.0 | 1161.2 | 1162.4 |
| 157.5° | 1178.0 | 1176.4 | 1174.9 | 1173.4 | 1173.5 | 1175.2 | 1176.9 | 1178.5 | 1180.2 | 1181.6 | 1182.9 |
| 160°   | 1191.3 | 1190.1 | 1188.8 | 1187.6 | 1187.6 | 1188.8 | 1190.1 | 1191.3 | 1192.4 | 1193.6 | 1194.9 |
| 162.5° | 1202.8 | 1201.6 | 1200.3 | 1199.2 | 1199.1 | 1200.1 | 1201.2 | 1202.2 | 1203.2 | 1204.6 | 1206.0 |
| 165°   | 1218.2 | 1217.0 | 1215.9 | 1214.7 | 1214.4 | 1214.9 | 1215.5 | 1216.2 | 1216.7 | 1218.1 | 1219.6 |
| 167.5° | 1229.7 | 1228.6 | 1227.4 | 1226.2 | 1225.9 | 1226.4 | 1227.0 | 1227.6 | 1228.1 | 1229.5 | 1230.9 |
| 170°   | 1236.2 | 1235.1 | 1233.9 | 1232.7 | 1232.3 | 1232.7 | 1233.0 | 1233.5 | 1233.9 | 1235.3 | 1236.7 |
| 172.5° | 1240.6 | 1239.3 | 1238.2 | 1237.0 | 1236.6 | 1237.0 | 1237.4 | 1237.7 | 1238.2 | 1239.6 | 1241.0 |
| 175°   | 1245.9 | 1244.5 | 1243.2 | 1241.8 | 1241.2 | 1241.7 | 1242.1 | 1242.5 | 1242.8 | 1244.3 | 1245.7 |
| 177.5° | 1247.2 | 1246.0 | 1244.9 | 1243.8 | 1243.3 | 1243.5 | 1243.6 | 1243.8 | 1244.0 | 1245.1 | 1246.2 |
| 180°   | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 |



TEST NUMBER: P331477-830

CATALOG NUMBER: S122DIW-S290D970U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 335°  | 340°  | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 | 557.1 |
| 2.5°   | 577.9 | 580.2 | 580.2 | 580.6 | 583.3 | 583.0 | 582.8 |
| 5°     | 614.9 | 618.6 | 619.0 | 622.8 | 625.4 | 624.5 | 622.2 |
| 7.5°   | 649.9 | 656.7 | 661.9 | 664.7 | 668.1 | 670.1 | 669.2 |
| 10°    | 677.7 | 687.5 | 693.5 | 697.6 | 702.5 | 706.2 | 704.8 |
| 12.5°  | 702.9 | 714.5 | 722.8 | 729.8 | 730.4 | 735.1 | 731.9 |
| 15°    | 742.2 | 754.5 | 755.8 | 760.9 | 765.1 | 764.6 | 764.8 |
| 17.5°  | 755.1 | 759.0 | 759.9 | 760.0 | 760.1 | 758.6 | 755.3 |
| 20°    | 750.5 | 748.9 | 745.4 | 742.5 | 737.6 | 737.0 | 732.7 |
| 22.5°  | 728.5 | 723.8 | 714.6 | 708.6 | 701.0 | 699.0 | 697.8 |
| 25°    | 685.4 | 674.9 | 660.3 | 646.4 | 642.5 | 635.1 | 637.2 |
| 27.5°  | 626.1 | 609.8 | 594.0 | 582.8 | 572.5 | 561.3 | 564.5 |
| 30°    | 584.6 | 566.1 | 543.8 | 526.7 | 515.8 | 505.1 | 503.1 |
| 32.5°  | 534.9 | 507.8 | 483.1 | 468.0 | 451.2 | 444.4 | 437.1 |
| 35°    | 449.2 | 422.8 | 398.2 | 377.0 | 364.9 | 355.4 | 346.9 |
| 37.5°  | 372.2 | 341.9 | 322.0 | 304.8 | 296.0 | 290.6 | 292.0 |
| 40°    | 324.4 | 297.8 | 283.2 | 270.2 | 262.0 | 258.3 | 259.1 |
| 42.5°  | 285.7 | 265.8 | 253.8 | 244.9 | 239.1 | 237.0 | 236.5 |
| 45°    | 241.8 | 230.6 | 220.7 | 215.7 | 212.8 | 210.5 | 209.0 |
| 47.5°  | 211.8 | 202.6 | 197.1 | 194.1 | 191.6 | 189.3 | 189.2 |
| 50°    | 193.8 | 187.8 | 183.9 | 180.7 | 178.8 | 177.1 | 178.6 |
| 52.5°  | 180.0 | 174.6 | 170.7 | 167.9 | 167.1 | 165.6 | 165.5 |
| 55°    | 159.8 | 155.4 | 152.7 | 150.1 | 148.8 | 148.0 | 146.8 |
| 57.5°  | 141.2 | 137.1 | 134.6 | 133.0 | 130.5 | 129.7 | 129.3 |
| 60°    | 128.0 | 124.8 | 122.2 | 120.1 | 119.0 | 117.3 | 117.3 |
| 62.5°  | 115.8 | 112.6 | 110.3 | 108.7 | 106.9 | 106.2 | 106.4 |
| 65°    | 98.3  | 95.7  | 93.3  | 91.6  | 91.2  | 89.9  | 90.4  |
| 67.5°  | 82.1  | 80.4  | 77.9  | 76.9  | 76.2  | 75.5  | 74.9  |
| 70°    | 71.3  | 69.6  | 68.3  | 67.0  | 66.4  | 66.4  | 66.4  |
| 72.5°  | 62.2  | 60.1  | 59.4  | 57.8  | 58.2  | 57.5  | 56.7  |
| 75°    | 48.2  | 46.8  | 46.3  | 45.6  | 44.6  | 44.6  | 44.6  |
| 77.5°  | 35.4  | 35.1  | 34.3  | 33.6  | 33.4  | 33.2  | 33.3  |
| 80°    | 27.4  | 27.1  | 26.8  | 26.8  | 26.3  | 26.1  | 25.7  |
| 82.5°  | 21.1  | 20.5  | 20.3  | 20.1  | 20.0  | 20.0  | 19.9  |
| 85°    | 12.0  | 11.6  | 11.6  | 11.8  | 11.3  | 11.3  | 11.6  |
| 87.5°  | 8.9   | 9.0   | 9.0   | 9.0   | 9.3   | 9.2   | 9.3   |
| 90°    | 21.0  | 22.1  | 22.7  | 23.1  | 23.5  | 23.9  | 24.3  |
| 92.5°  | 22.4  | 23.0  | 23.4  | 23.6  | 23.8  | 24.0  | 24.3  |
| 95°    | 38.2  | 39.1  | 39.5  | 39.3  | 39.1  | 38.9  | 38.7  |
| 97.5°  | 49.4  | 50.2  | 50.7  | 51.0  | 51.2  | 51.5  | 51.7  |
| 100°   | 56.2  | 57.8  | 58.7  | 59.1  | 59.6  | 59.9  | 60.3  |
| 102.5° | 59.0  | 61.1  | 62.4  | 63.0  | 63.5  | 64.1  | 64.7  |
| 105°   | 61.5  | 63.7  | 65.2  | 66.1  | 66.8  | 67.7  | 68.4  |
| 107.5° | 70.2  | 68.0  | 67.2  | 68.1  | 68.8  | 69.7  | 70.4  |
| 110°   | 97.6  | 77.6  | 68.0  | 68.7  | 69.6  | 70.3  | 71.2  |



TEST NUMBER: P331477-830

CATALOG NUMBER: S122DIW-S290D970U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 178.5  | 105.5  | 69.3   | 69.9   | 70.6   | 71.3   | 71.9   |
| 115°   | 277.7  | 185.0  | 131.5  | 117.1  | 102.6  | 88.2   | 73.9   |
| 117.5° | 548.3  | 525.8  | 491.0  | 443.6  | 396.2  | 348.9  | 301.5  |
| 120°   | 667.3  | 669.8  | 657.4  | 630.5  | 603.4  | 576.4  | 549.4  |
| 122.5° | 707.0  | 708.4  | 706.5  | 701.3  | 696.1  | 690.8  | 685.6  |
| 125°   | 765.3  | 766.7  | 767.6  | 768.3  | 768.8  | 769.4  | 770.1  |
| 127.5° | 819.7  | 821.8  | 822.8  | 823.0  | 823.1  | 823.2  | 823.3  |
| 130°   | 854.1  | 856.3  | 857.3  | 857.1  | 856.9  | 856.7  | 856.5  |
| 132.5° | 887.0  | 888.9  | 889.8  | 889.5  | 889.3  | 889.1  | 888.9  |
| 135°   | 934.5  | 936.5  | 937.4  | 937.0  | 936.5  | 936.1  | 935.8  |
| 137.5° | 978.5  | 980.5  | 981.2  | 980.5  | 979.8  | 979.1  | 978.5  |
| 140°   | 1006.9 | 1008.7 | 1009.1 | 1008.1 | 1007.1 | 1006.1 | 1005.1 |
| 142.5° | 1033.1 | 1034.7 | 1035.0 | 1034.1 | 1033.0 | 1032.1 | 1031.0 |
| 145°   | 1069.7 | 1071.0 | 1071.3 | 1070.3 | 1069.2 | 1068.3 | 1067.2 |
| 147.5° | 1101.4 | 1102.4 | 1102.5 | 1101.6 | 1100.8 | 1099.9 | 1099.1 |
| 150°   | 1121.2 | 1122.5 | 1122.6 | 1121.6 | 1120.6 | 1119.6 | 1118.6 |
| 152.5° | 1139.3 | 1140.5 | 1140.5 | 1139.2 | 1137.8 | 1136.5 | 1135.2 |
| 155°   | 1163.6 | 1164.8 | 1164.6 | 1163.0 | 1161.4 | 1159.8 | 1158.2 |
| 157.5° | 1184.3 | 1185.6 | 1185.5 | 1183.9 | 1182.4 | 1180.8 | 1179.3 |
| 160°   | 1196.0 | 1197.2 | 1197.1 | 1195.7 | 1194.3 | 1193.0 | 1191.6 |
| 162.5° | 1207.3 | 1208.7 | 1208.5 | 1206.7 | 1205.0 | 1203.3 | 1201.6 |
| 165°   | 1221.0 | 1222.4 | 1222.4 | 1221.0 | 1219.6 | 1218.1 | 1216.7 |
| 167.5° | 1232.3 | 1233.7 | 1233.5 | 1231.7 | 1229.9 | 1228.1 | 1226.3 |
| 170°   | 1238.0 | 1239.4 | 1239.3 | 1237.5 | 1235.7 | 1233.9 | 1232.1 |
| 172.5° | 1242.4 | 1243.8 | 1243.6 | 1241.8 | 1240.0 | 1238.2 | 1236.4 |
| 175°   | 1247.1 | 1248.5 | 1248.2 | 1246.1 | 1244.2 | 1242.2 | 1240.2 |
| 177.5° | 1247.3 | 1248.4 | 1248.3 | 1246.8 | 1245.4 | 1244.0 | 1242.6 |
| 180°   | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 | 1244.6 |

(END OF REPORT)