

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P1031702

Luminaire Tested: S123DIW-B560D1030UB30-4F0-XX-W2A-A

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1031702  
REPORT IS A COMBINATION OF REPORTS P991539 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S123DIW-B560D1030UB30-4F0-XX-W2A-A  
Description: Define 3 Direct/Indirect Wall Mount with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}  
Light Source: -  
Ballast/Driver: -

**Summary**

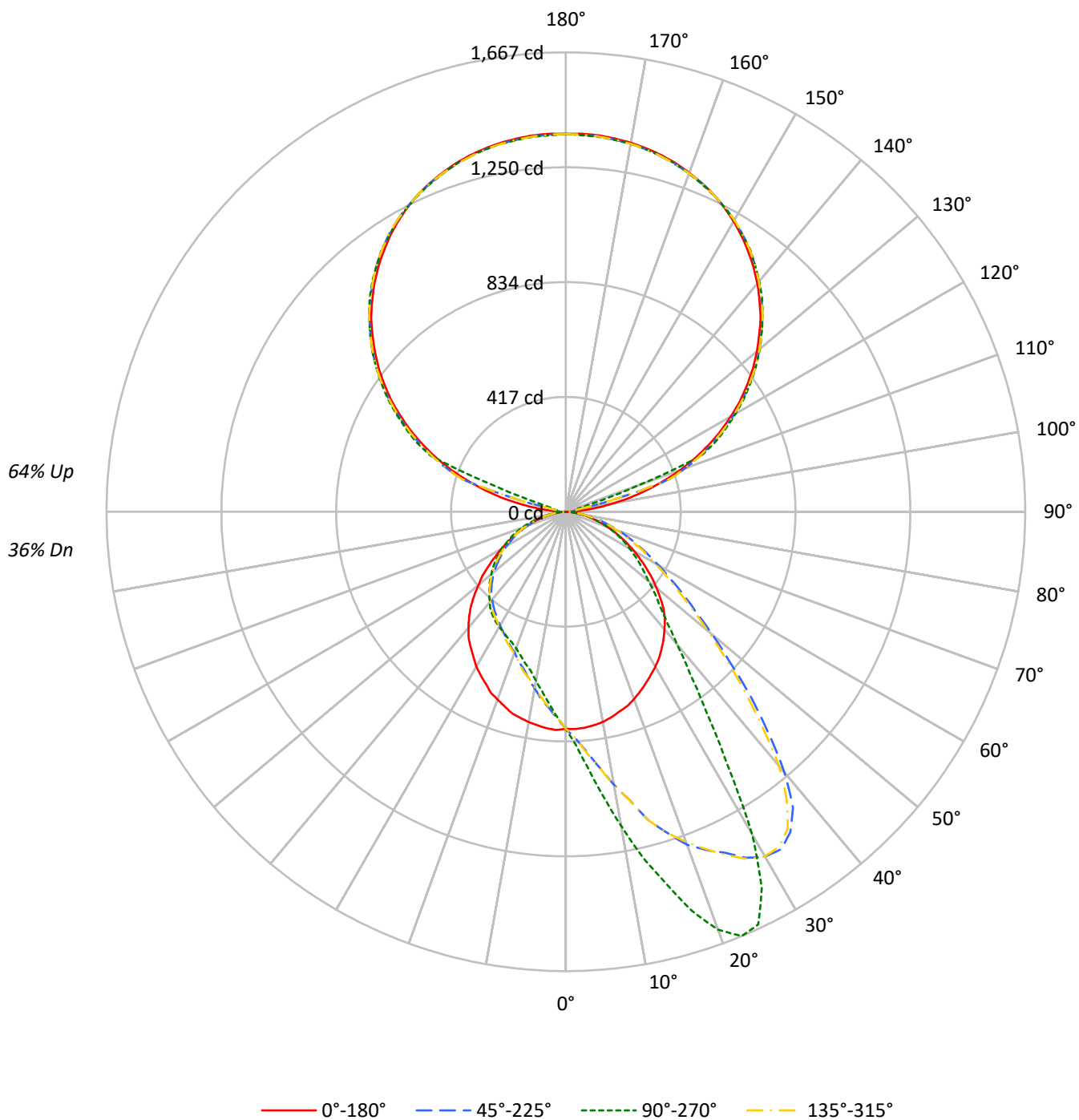
Lumens per Lamp: N/A  
Luminaire Lumens: 6559.0 lumens  
Efficiency: N/A  
Efficacy: 118.2 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')  
CIE Type: Semi-Indirect

Input Watts (W): 55.5  
Input Voltage (V):  
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: 24 FT

TEST NUMBER: P1031702

CATALOG NUMBER: S123DIW-B560D1030UB30-4F0-XX-W2A-A

### Luminous Intensity Polar Plot



TEST NUMBER: P1031702

CATALOG NUMBER: S123DIW-B560D1030UB30-4F0-XX-W2A-A

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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    | 20 |
| RC  | 80  |     |     |     | 70 |    |    |    | 50 |    |    |    | 30 |    |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 76 | 76 | 76 | 59 | 59 | 59 | 44 | 44 | 44 |
| 1   | 95  | 91  | 87  | 84  | 86 | 82 | 79 | 76 | 67 | 64 | 62 | 52 | 51 | 49 | 39 | 38 | 37 |
| 2   | 87  | 79  | 74  | 69  | 78 | 72 | 67 | 63 | 59 | 55 | 52 | 46 | 44 | 42 | 34 | 33 | 32 |
| 3   | 79  | 70  | 63  | 57  | 71 | 64 | 58 | 53 | 52 | 47 | 44 | 41 | 38 | 35 | 31 | 29 | 27 |
| 4   | 72  | 62  | 54  | 48  | 65 | 56 | 50 | 45 | 46 | 41 | 37 | 36 | 33 | 30 | 27 | 25 | 23 |
| 5   | 66  | 55  | 47  | 41  | 60 | 50 | 43 | 38 | 41 | 36 | 32 | 33 | 29 | 26 | 25 | 22 | 20 |
| 6   | 61  | 49  | 42  | 36  | 55 | 45 | 38 | 33 | 37 | 32 | 28 | 29 | 26 | 23 | 22 | 20 | 18 |
| 7   | 56  | 45  | 37  | 31  | 51 | 41 | 34 | 29 | 34 | 28 | 25 | 27 | 23 | 20 | 20 | 18 | 16 |
| 8   | 52  | 40  | 33  | 28  | 47 | 37 | 30 | 26 | 31 | 25 | 22 | 24 | 21 | 18 | 19 | 16 | 14 |
| 9   | 49  | 37  | 29  | 25  | 44 | 34 | 27 | 23 | 28 | 23 | 19 | 22 | 19 | 16 | 17 | 15 | 13 |
| 10  | 45  | 34  | 27  | 22  | 41 | 31 | 25 | 20 | 26 | 21 | 17 | 21 | 17 | 15 | 16 | 14 | 12 |

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

|     | 0°   | 90°   | 180° | 270° |
|-----|------|-------|------|------|
| 0°  | 8473 | 8473  | 8473 | 8473 |
| 5°  | 8480 | 9763  | 8504 | 7287 |
| 10° | 8426 | 11815 | 8434 | 6363 |
| 15° | 8309 | 14012 | 8376 | 5728 |
| 20° | 8209 | 16132 | 8226 | 5270 |
| 25° | 8059 | 16539 | 8078 | 5032 |
| 30° | 7954 | 13664 | 7954 | 4876 |
| 35° | 7822 | 9138  | 7773 | 4737 |
| 40° | 7664 | 6596  | 7569 | 4526 |
| 45° | 7466 | 5226  | 7250 | 4263 |
| 50° | 6984 | 4437  | 6735 | 4005 |
| 55° | 6454 | 3900  | 6191 | 3717 |
| 60° | 5918 | 3395  | 5604 | 3415 |
| 65° | 5330 | 2908  | 5072 | 3012 |
| 70° | 4718 | 2414  | 4403 | 2538 |
| 75° | 4032 | 1820  | 3774 | 1960 |
| 80° | 3187 | 1216  | 2942 | 1288 |
| 85° | 2200 | 559   | 1758 | 508  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 13666 cd/sqm

TEST NUMBER: P1031702

CATALOG NUMBER: S123DIW-B560D1030UB30-4F0-XX-W2A-A

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 77.4   | 1.2       |
| 10°-20°   | 248.7  | 3.8       |
| 20°-30°   | 418.4  | 6.4       |
| 30°-40°   | 472.9  | 7.2       |
| 40°-50°   | 423.5  | 6.5       |
| 50°-60°   | 341.9  | 5.2       |
| 60°-70°   | 238.2  | 3.6       |
| 70°-80°   | 125.0  | 1.9       |
| 80°-90°   | 32.7   | 0.5       |
| 90°-100°  | 48.4   | 0.7       |
| 100°-110° | 233.8  | 3.6       |
| 110°-120° | 572.9  | 8.7       |
| 120°-130° | 727.3  | 11.1      |
| 130°-140° | 776.9  | 11.8      |
| 140°-150° | 726.5  | 11.1      |
| 150°-160° | 586.0  | 8.9       |
| 160°-170° | 378.2  | 5.8       |
| 170°-180° | 130.3  | 2.0       |
| 0°-30°    | 744.5  | 11.4      |
| 0°-40°    | 1217.4 | 18.6      |
| 0°-60°    | 1982.7 | 30.2      |
| 0°-90°    | 2378.7 | 36.3      |
| 90°-120°  | 855.0  | 13.0      |
| 90°-150°  | 3085.8 | 47.0      |
| 90°-180°  | 4180.0 | 63.7      |
| 0°-180°   | 6559.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 787  | 787  | 787  | 787  | 787  |      |
| 5°   | 786  | 935  | 789  | 698  | 786  | 75   |
| 15°  | 751  | 1392 | 757  | 569  | 751  | 212  |
| 25°  | 686  | 1652 | 688  | 503  | 686  | 317  |
| 35°  | 606  | 890  | 602  | 462  | 606  | 379  |
| 45°  | 503  | 481  | 488  | 392  | 503  | 384  |
| 55°  | 356  | 326  | 342  | 311  | 356  | 319  |
| 65°  | 220  | 212  | 210  | 220  | 220  | 220  |
| 75°  | 106  | 109  | 99   | 118  | 106  | 114  |
| 85°  | 23   | 25   | 18   | 23   | 23   | 26   |
| 90°  | 1    | 31   | 1    | 31   | 1    | 5    |
| 95°  | 62   | 39   | 62   | 39   | 62   | 74   |
| 105° | 304  | 45   | 304  | 45   | 304  | 322  |
| 115° | 570  | 599  | 570  | 599  | 570  | 562  |
| 125° | 803  | 819  | 803  | 819  | 803  | 717  |
| 135° | 999  | 1010 | 999  | 1010 | 999  | 769  |
| 145° | 1153 | 1164 | 1153 | 1164 | 1153 | 722  |
| 155° | 1270 | 1268 | 1270 | 1268 | 1270 | 585  |
| 165° | 1340 | 1337 | 1340 | 1337 | 1340 | 379  |
| 175° | 1371 | 1366 | 1371 | 1366 | 1371 | 130  |
| 180° | 1371 | 1371 | 1371 | 1371 | 1371 |      |

TEST NUMBER: P1031702

CATALOG NUMBER: S123DIW-B560D1030UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 0°     | 787.2 | 787.2 | 787.2 | 787.2 | 787.2 | 787.2 | 787.2  | 787.2  | 787.2  | 787.2  | 787.2  |
| 2.5°   | 789.5 | 795.6 | 798.7 | 803.3 | 807.8 | 814.7 | 817.0  | 820.8  | 819.3  | 822.3  | 823.9  |
| 5°     | 786.5 | 797.2 | 806.3 | 817.7 | 828.4 | 836.1 | 843.7  | 855.9  | 865.0  | 866.6  | 873.4  |
| 7.5°   | 781.1 | 796.4 | 812.4 | 828.4 | 849.0 | 861.2 | 875.0  | 891.7  | 905.5  | 927.6  | 936.0  |
| 10°    | 774.3 | 795.6 | 818.5 | 840.6 | 868.9 | 887.9 | 904.7  | 932.9  | 961.2  | 984.0  | 1005.4 |
| 12.5°  | 763.6 | 790.3 | 820.0 | 852.8 | 889.5 | 911.6 | 934.5  | 971.8  | 1014.6 | 1049.6 | 1072.5 |
| 15°    | 750.6 | 784.2 | 822.3 | 857.4 | 897.8 | 939.0 | 963.4  | 1005.4 | 1066.4 | 1099.2 | 1158.0 |
| 17.5°  | 739.9 | 774.3 | 812.4 | 867.3 | 922.3 | 963.4 | 981.0  | 1058.0 | 1100.0 | 1154.9 | 1221.3 |
| 20°    | 723.2 | 766.6 | 815.5 | 870.4 | 941.3 | 966.5 | 1002.4 | 1080.2 | 1132.0 | 1203.7 | 1285.4 |
| 22.5°  | 705.6 | 752.1 | 810.9 | 868.1 | 947.4 | 974.1 | 1022.9 | 1084.7 | 1167.1 | 1238.1 | 1328.1 |
| 25°    | 686.5 | 736.9 | 796.4 | 864.3 | 942.1 | 981.0 | 1026.8 | 1103.0 | 1192.3 | 1281.5 | 1364.7 |
| 27.5°  | 667.5 | 722.4 | 784.2 | 852.1 | 927.6 | 973.4 | 1019.1 | 1098.5 | 1212.9 | 1309.8 | 1415.8 |
| 30°    | 649.2 | 704.1 | 765.9 | 835.3 | 914.6 | 958.9 | 1002.4 | 1101.5 | 1228.9 | 1338.0 | 1444.8 |
| 32.5°  | 629.3 | 685.8 | 750.6 | 808.6 | 888.7 | 936.0 | 984.8  | 1101.5 | 1238.8 | 1354.8 | 1452.4 |
| 35°    | 605.7 | 663.7 | 719.3 | 777.3 | 856.7 | 909.3 | 964.2  | 1093.9 | 1248.0 | 1360.1 | 1420.4 |
| 37.5°  | 582.8 | 633.9 | 682.0 | 738.4 | 821.6 | 878.0 | 941.3  | 1084.7 | 1243.4 | 1337.2 | 1354.0 |
| 40°    | 556.9 | 608.0 | 646.9 | 699.5 | 787.2 | 852.8 | 916.9  | 1072.5 | 1223.6 | 1283.1 | 1234.2 |
| 42.5°  | 531.7 | 572.1 | 605.7 | 656.8 | 752.1 | 816.2 | 885.6  | 1050.4 | 1184.7 | 1196.9 | 1087.0 |
| 45°    | 502.7 | 531.7 | 561.4 | 619.4 | 714.0 | 779.6 | 856.7  | 1018.4 | 1122.1 | 1087.0 | 948.2  |
| 47.5°  | 465.3 | 491.3 | 524.1 | 577.5 | 673.6 | 741.5 | 814.7  | 977.2  | 1031.3 | 958.1  | 806.3  |
| 50°    | 429.5 | 451.6 | 482.1 | 534.0 | 630.9 | 697.2 | 775.0  | 912.3  | 939.0  | 823.9  | 694.9  |
| 52.5°  | 393.6 | 410.4 | 440.1 | 492.0 | 588.9 | 653.0 | 723.9  | 846.0  | 830.7  | 707.1  | 592.7  |
| 55°    | 356.2 | 370.7 | 399.0 | 450.1 | 540.1 | 601.1 | 669.0  | 764.3  | 724.7  | 607.2  | 515.7  |
| 57.5°  | 319.6 | 334.9 | 363.9 | 406.6 | 491.3 | 550.8 | 604.9  | 679.7  | 620.2  | 526.3  | 445.5  |
| 60°    | 286.8 | 299.8 | 321.9 | 363.9 | 440.9 | 489.0 | 538.6  | 589.7  | 540.1  | 449.3  | 387.5  |
| 62.5°  | 252.5 | 264.7 | 285.3 | 323.4 | 389.8 | 432.5 | 472.2  | 514.1  | 459.2  | 392.9  | 337.9  |
| 65°    | 220.5 | 230.4 | 249.4 | 284.5 | 338.7 | 373.8 | 405.8  | 434.8  | 390.6  | 329.5  | 288.3  |
| 67.5°  | 191.5 | 199.9 | 215.9 | 247.2 | 292.9 | 318.1 | 344.0  | 368.4  | 331.1  | 282.2  | 247.2  |
| 70°    | 160.2 | 167.1 | 181.6 | 204.4 | 241.1 | 267.0 | 286.1  | 304.4  | 270.8  | 231.9  | 208.3  |
| 72.5°  | 132.7 | 139.6 | 148.8 | 172.4 | 197.6 | 213.6 | 234.2  | 244.1  | 225.0  | 193.0  | 169.3  |
| 75°    | 106.0 | 111.4 | 119.8 | 135.0 | 158.7 | 169.3 | 182.3  | 189.9  | 172.4  | 151.0  | 136.5  |
| 77.5°  | 83.1  | 85.4  | 91.5  | 102.2 | 118.2 | 130.4 | 140.4  | 144.9  | 132.7  | 119.0  | 106.8  |
| 80°    | 58.7  | 61.8  | 66.4  | 75.5  | 87.7  | 91.5  | 97.6   | 103.0  | 95.4   | 83.1   | 75.5   |
| 82.5°  | 38.9  | 42.7  | 45.0  | 48.8  | 56.4  | 61.0  | 62.6   | 67.1   | 60.3   | 55.7   | 52.6   |
| 85°    | 22.9  | 24.4  | 25.2  | 27.5  | 31.3  | 33.6  | 35.9   | 36.6   | 35.1   | 34.3   | 31.3   |
| 87.5°  | 11.4  | 11.4  | 11.4  | 13.0  | 13.7  | 15.3  | 16.0   | 16.0   | 16.0   | 15.3   | 14.5   |
| 90°    | 1.0   | 3.3   | 5.5   | 7.8   | 10.1  | 11.2  | 12.7   | 15.6   | 18.5   | 21.5   | 24.4   |
| 92.5°  | 23.4  | 22.0  | 20.7  | 19.3  | 18.0  | 17.3  | 18.3   | 20.4   | 22.4   | 24.5   | 26.5   |
| 95°    | 62.1  | 52.8  | 43.6  | 34.3  | 25.0  | 20.4  | 21.6   | 24.1   | 26.6   | 29.1   | 31.6   |
| 97.5°  | 113.1 | 106.8 | 100.4 | 94.1  | 87.8  | 84.6  | 78.8   | 67.3   | 55.7   | 44.2   | 32.6   |
| 100°   | 172.2 | 176.7 | 181.2 | 185.7 | 190.2 | 192.5 | 174.8  | 139.5  | 104.2  | 68.9   | 33.6   |
| 102.5° | 239.4 | 242.3 | 245.3 | 248.2 | 251.1 | 252.6 | 232.9  | 193.5  | 154.2  | 114.8  | 75.4   |
| 105°   | 303.6 | 306.1 | 308.6 | 311.1 | 313.6 | 314.8 | 304.6  | 284.2  | 263.9  | 243.5  | 223.1  |
| 107.5° | 371.8 | 373.8 | 375.9 | 377.9 | 380.0 | 381.0 | 382.7  | 386.1  | 389.5  | 392.9  | 396.3  |
| 110°   | 440.1 | 441.9 | 443.7 | 445.5 | 447.3 | 448.2 | 449.4  | 451.9  | 454.4  | 456.9  | 459.4  |

TEST NUMBER: P1031702

CATALOG NUMBER: S123DIW-B560D1030UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 505.3  | 506.9  | 508.5  | 510.0  | 511.6  | 512.4  | 513.6  | 516.1  | 518.6  | 521.1  | 523.6  |
| 115°   | 569.5  | 570.9  | 572.2  | 573.6  | 574.9  | 575.6  | 576.6  | 578.7  | 580.7  | 582.8  | 584.8  |
| 117.5° | 632.6  | 634.2  | 635.8  | 637.4  | 639.0  | 639.8  | 640.4  | 641.5  | 642.6  | 643.8  | 644.9  |
| 120°   | 690.7  | 692.7  | 694.8  | 696.8  | 698.9  | 699.9  | 700.2  | 700.9  | 701.6  | 702.2  | 702.9  |
| 122.5° | 749.8  | 751.4  | 753.0  | 754.5  | 756.1  | 756.9  | 757.4  | 758.3  | 759.2  | 760.1  | 761.0  |
| 125°   | 802.8  | 804.6  | 806.4  | 808.2  | 810.0  | 810.9  | 811.4  | 812.3  | 813.2  | 814.1  | 815.0  |
| 127.5° | 855.7  | 857.5  | 859.3  | 861.2  | 863.0  | 863.9  | 864.5  | 865.6  | 866.7  | 867.9  | 869.0  |
| 130°   | 904.6  | 906.4  | 908.2  | 910.1  | 911.9  | 912.8  | 913.3  | 914.2  | 915.1  | 916.0  | 916.9  |
| 132.5° | 951.5  | 953.3  | 955.1  | 956.9  | 958.7  | 959.6  | 959.9  | 960.6  | 961.3  | 962.0  | 962.7  |
| 135°   | 999.4  | 1000.8 | 1002.1 | 1003.5 | 1004.8 | 1005.5 | 1006.0 | 1006.9 | 1007.8 | 1008.7 | 1009.6 |
| 137.5° | 1040.1 | 1041.9 | 1043.7 | 1045.6 | 1047.4 | 1048.3 | 1048.5 | 1049.0 | 1049.4 | 1049.9 | 1050.3 |
| 140°   | 1080.9 | 1082.3 | 1083.6 | 1085.0 | 1086.3 | 1087.0 | 1087.3 | 1088.0 | 1088.7 | 1089.3 | 1090.0 |
| 142.5° | 1118.6 | 1120.0 | 1121.3 | 1122.7 | 1124.0 | 1124.7 | 1125.0 | 1125.7 | 1126.4 | 1127.0 | 1127.7 |
| 145°   | 1153.2 | 1154.8 | 1156.4 | 1157.9 | 1159.5 | 1160.3 | 1160.5 | 1161.0 | 1161.5 | 1161.9 | 1162.4 |
| 147.5° | 1186.8 | 1187.9 | 1189.1 | 1190.2 | 1191.3 | 1191.9 | 1192.1 | 1192.6 | 1193.1 | 1193.5 | 1194.0 |
| 150°   | 1217.4 | 1218.1 | 1218.7 | 1219.4 | 1220.1 | 1220.4 | 1220.6 | 1221.1 | 1221.6 | 1222.0 | 1222.5 |
| 152.5° | 1244.9 | 1245.1 | 1245.3 | 1245.6 | 1245.8 | 1245.9 | 1246.0 | 1246.2 | 1246.5 | 1246.7 | 1246.9 |
| 155°   | 1270.4 | 1269.9 | 1269.5 | 1269.0 | 1268.5 | 1268.3 | 1268.4 | 1268.6 | 1268.9 | 1269.1 | 1269.3 |
| 157.5° | 1290.7 | 1290.7 | 1290.7 | 1290.7 | 1290.7 | 1290.7 | 1290.6 | 1290.4 | 1290.1 | 1289.9 | 1289.7 |
| 160°   | 1309.1 | 1308.9 | 1308.7 | 1308.4 | 1308.2 | 1308.1 | 1308.0 | 1307.7 | 1307.5 | 1307.2 | 1307.0 |
| 162.5° | 1326.4 | 1325.7 | 1325.0 | 1324.3 | 1323.6 | 1323.3 | 1323.2 | 1323.0 | 1322.7 | 1322.5 | 1322.3 |
| 165°   | 1339.6 | 1338.9 | 1338.3 | 1337.6 | 1336.9 | 1336.6 | 1336.5 | 1336.3 | 1336.0 | 1335.8 | 1335.6 |
| 167.5° | 1350.8 | 1349.9 | 1349.0 | 1348.1 | 1347.2 | 1346.8 | 1346.8 | 1346.8 | 1346.8 | 1346.8 | 1346.8 |
| 170°   | 1360.0 | 1359.1 | 1358.2 | 1357.3 | 1356.4 | 1355.9 | 1355.9 | 1355.9 | 1355.9 | 1355.9 | 1355.9 |
| 172.5° | 1366.1 | 1365.0 | 1363.8 | 1362.7 | 1361.6 | 1361.0 | 1361.1 | 1361.3 | 1361.6 | 1361.8 | 1362.0 |
| 175°   | 1371.2 | 1370.1 | 1368.9 | 1367.8 | 1366.7 | 1366.1 | 1366.2 | 1366.4 | 1366.7 | 1366.9 | 1367.1 |
| 177.5° | 1373.3 | 1372.2 | 1371.0 | 1369.9 | 1368.8 | 1368.2 | 1368.3 | 1368.5 | 1368.8 | 1369.0 | 1369.2 |
| 180°   | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 |

TEST NUMBER: P1031702

CATALOG NUMBER: S123DIW-B560D1030UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 787.2  | 787.2  | 787.2  | 787.2  | 787.2  | 787.2  | 787.2  | 787.2  | 787.2  | 787.2  | 787.2  |
| 2.5°   | 829.2  | 830.7  | 836.1  | 839.9  | 847.5  | 846.7  | 846.7  | 846.0  | 843.7  | 847.5  | 849.8  |
| 5°     | 887.2  | 900.1  | 901.7  | 918.4  | 919.2  | 926.1  | 930.6  | 926.8  | 936.0  | 935.2  | 928.4  |
| 7.5°   | 958.9  | 976.4  | 984.8  | 1000.8 | 1019.1 | 1014.6 | 1032.1 | 1035.2 | 1033.6 | 1041.3 | 1046.6 |
| 10°    | 1037.4 | 1068.0 | 1089.3 | 1119.1 | 1126.7 | 1131.3 | 1142.7 | 1152.6 | 1172.5 | 1157.2 | 1167.1 |
| 12.5°  | 1127.5 | 1149.6 | 1177.8 | 1225.1 | 1248.7 | 1264.0 | 1269.3 | 1276.2 | 1289.9 | 1281.5 | 1282.3 |
| 15°    | 1203.0 | 1232.7 | 1280.8 | 1339.5 | 1346.4 | 1365.5 | 1360.9 | 1402.1 | 1421.9 | 1392.2 | 1408.9 |
| 17.5°  | 1281.5 | 1321.2 | 1378.4 | 1429.5 | 1458.5 | 1471.5 | 1483.7 | 1523.4 | 1521.8 | 1517.3 | 1521.1 |
| 20°    | 1331.9 | 1396.7 | 1467.7 | 1535.6 | 1544.0 | 1553.9 | 1586.7 | 1603.5 | 1600.4 | 1613.4 | 1621.8 |
| 22.5°  | 1402.8 | 1471.5 | 1547.0 | 1592.0 | 1611.1 | 1622.5 | 1648.5 | 1659.1 | 1663.7 | 1666.8 | 1661.4 |
| 25°    | 1462.3 | 1535.6 | 1591.3 | 1630.9 | 1642.4 | 1648.5 | 1656.9 | 1659.9 | 1657.6 | 1652.3 | 1656.9 |
| 27.5°  | 1502.8 | 1561.5 | 1599.6 | 1617.9 | 1611.8 | 1601.9 | 1585.9 | 1575.2 | 1551.6 | 1540.1 | 1553.9 |
| 30°    | 1519.5 | 1545.5 | 1556.9 | 1526.4 | 1495.9 | 1471.5 | 1441.0 | 1384.5 | 1340.3 | 1353.2 | 1335.7 |
| 32.5°  | 1492.8 | 1476.1 | 1421.1 | 1342.6 | 1318.9 | 1279.3 | 1193.1 | 1126.7 | 1129.0 | 1093.9 | 1108.4 |
| 35°    | 1414.3 | 1338.0 | 1234.2 | 1115.2 | 1084.0 | 1062.6 | 968.0  | 953.5  | 923.0  | 890.2  | 899.4  |
| 37.5°  | 1275.4 | 1164.1 | 1038.2 | 950.5  | 903.9  | 857.4  | 804.0  | 772.0  | 753.7  | 739.9  | 750.6  |
| 40°    | 1106.1 | 970.3  | 866.6  | 788.0  | 748.3  | 718.6  | 682.0  | 649.9  | 629.3  | 627.0  | 630.9  |
| 42.5°  | 939.8  | 825.4  | 730.0  | 655.3  | 642.3  | 607.2  | 583.6  | 558.4  | 552.3  | 542.4  | 547.7  |
| 45°    | 795.6  | 702.6  | 624.0  | 563.0  | 547.7  | 538.6  | 509.6  | 493.5  | 486.7  | 480.6  | 489.7  |
| 47.5°  | 691.1  | 593.5  | 536.3  | 499.6  | 484.4  | 469.1  | 453.1  | 442.4  | 437.1  | 437.9  | 437.1  |
| 50°    | 590.4  | 518.7  | 468.4  | 440.1  | 431.0  | 420.3  | 407.3  | 400.5  | 398.2  | 391.3  | 396.7  |
| 52.5°  | 508.0  | 456.2  | 421.1  | 394.4  | 387.5  | 379.9  | 369.2  | 365.4  | 360.1  | 358.5  | 358.5  |
| 55°    | 441.7  | 401.2  | 373.0  | 355.5  | 347.1  | 341.0  | 334.9  | 330.3  | 326.5  | 326.5  | 326.5  |
| 57.5°  | 389.8  | 354.7  | 334.1  | 318.9  | 315.8  | 309.7  | 302.8  | 302.8  | 297.5  | 296.7  | 299.0  |
| 60°    | 345.6  | 314.3  | 298.3  | 285.3  | 280.7  | 279.2  | 272.3  | 272.3  | 270.8  | 267.0  | 270.0  |
| 62.5°  | 300.6  | 277.7  | 263.9  | 254.0  | 249.4  | 249.4  | 244.1  | 240.3  | 240.3  | 241.1  | 239.5  |
| 65°    | 259.4  | 242.6  | 230.4  | 222.7  | 220.5  | 217.4  | 216.6  | 213.6  | 211.3  | 212.1  | 211.3  |
| 67.5°  | 222.7  | 209.8  | 201.4  | 195.3  | 191.5  | 189.9  | 187.7  | 187.7  | 186.1  | 186.9  | 183.1  |
| 70°    | 189.9  | 177.0  | 170.1  | 164.0  | 162.5  | 162.5  | 159.4  | 160.2  | 158.7  | 161.0  | 159.4  |
| 72.5°  | 156.4  | 146.5  | 141.1  | 138.8  | 137.3  | 136.5  | 135.0  | 133.5  | 132.7  | 134.3  | 133.5  |
| 75°    | 126.6  | 118.2  | 114.4  | 112.9  | 111.4  | 111.4  | 110.6  | 109.8  | 109.1  | 109.1  | 109.1  |
| 77.5°  | 98.4   | 93.1   | 88.5   | 90.0   | 87.7   | 88.5   | 86.2   | 86.2   | 87.0   | 86.2   | 86.2   |
| 80°    | 72.5   | 68.7   | 68.7   | 67.1   | 64.1   | 65.6   | 65.6   | 63.3   | 62.6   | 64.1   | 61.8   |
| 82.5°  | 48.1   | 47.3   | 45.8   | 45.0   | 43.5   | 44.2   | 43.5   | 42.7   | 42.0   | 43.5   | 42.0   |
| 85°    | 28.2   | 28.2   | 27.5   | 25.9   | 27.5   | 26.7   | 25.9   | 25.9   | 25.2   | 25.2   | 25.2   |
| 87.5°  | 14.5   | 13.0   | 13.0   | 12.2   | 13.0   | 11.4   | 12.2   | 11.4   | 10.7   | 11.4   | 10.7   |
| 90°    | 25.3   | 26.2   | 27.1   | 28.0   | 28.5   | 28.7   | 29.2   | 29.7   | 30.1   | 30.6   | 30.1   |
| 92.5°  | 28.1   | 29.7   | 31.2   | 32.8   | 33.6   | 33.7   | 33.9   | 34.2   | 34.4   | 34.6   | 34.4   |
| 95°    | 33.2   | 34.8   | 36.3   | 37.9   | 38.7   | 38.7   | 38.7   | 38.7   | 38.7   | 38.7   | 38.7   |
| 97.5°  | 34.4   | 36.2   | 38.0   | 39.8   | 40.7   | 40.8   | 41.1   | 41.3   | 41.6   | 41.8   | 41.6   |
| 100°   | 35.4   | 37.2   | 39.1   | 40.9   | 41.8   | 41.9   | 42.1   | 42.4   | 42.6   | 42.8   | 42.6   |
| 102.5° | 67.9   | 60.5   | 53.0   | 45.5   | 41.8   | 42.0   | 42.5   | 42.9   | 43.4   | 43.8   | 43.4   |
| 105°   | 183.0  | 143.0  | 102.9  | 62.8   | 42.8   | 43.0   | 43.5   | 43.9   | 44.4   | 44.8   | 44.4   |
| 107.5° | 361.4  | 326.6  | 291.7  | 256.8  | 239.4  | 224.6  | 194.9  | 165.2  | 135.6  | 105.9  | 135.6  |
| 110°   | 451.9  | 444.5  | 437.0  | 429.5  | 425.8  | 409.6  | 377.3  | 344.9  | 312.6  | 280.2  | 312.6  |

TEST NUMBER: P1031702

CATALOG NUMBER: S123DIW-B560D1030UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 525.6  | 527.7  | 529.7  | 531.8  | 532.8  | 532.6  | 532.1  | 531.7  | 531.2  | 530.8  | 531.2  |
| 115°   | 587.0  | 589.3  | 591.5  | 593.8  | 594.9  | 595.4  | 596.3  | 597.2  | 598.1  | 599.0  | 598.1  |
| 117.5° | 646.7  | 648.5  | 650.3  | 652.1  | 653.0  | 653.1  | 653.3  | 653.6  | 653.8  | 654.0  | 653.8  |
| 120°   | 704.7  | 706.5  | 708.4  | 710.2  | 711.1  | 711.1  | 711.1  | 711.1  | 711.1  | 711.1  | 711.1  |
| 122.5° | 762.1  | 763.3  | 764.4  | 765.5  | 766.1  | 766.2  | 766.4  | 766.7  | 766.9  | 767.1  | 766.9  |
| 125°   | 815.4  | 815.9  | 816.3  | 816.8  | 817.0  | 817.2  | 817.7  | 818.2  | 818.6  | 819.1  | 818.6  |
| 127.5° | 869.7  | 870.3  | 871.0  | 871.7  | 872.0  | 871.8  | 871.3  | 870.9  | 870.4  | 870.0  | 870.4  |
| 130°   | 917.8  | 918.7  | 919.6  | 920.5  | 920.9  | 920.7  | 920.2  | 919.8  | 919.3  | 918.9  | 919.3  |
| 132.5° | 963.6  | 964.5  | 965.4  | 966.3  | 966.8  | 966.5  | 965.8  | 965.1  | 964.4  | 963.7  | 964.4  |
| 135°   | 1010.3 | 1010.9 | 1011.6 | 1012.3 | 1012.6 | 1012.3 | 1011.6 | 1010.9 | 1010.3 | 1009.6 | 1010.3 |
| 137.5° | 1051.4 | 1052.6 | 1053.7 | 1054.8 | 1055.4 | 1055.2 | 1054.7 | 1054.3 | 1053.8 | 1053.4 | 1053.8 |
| 140°   | 1090.9 | 1091.8 | 1092.7 | 1093.6 | 1094.1 | 1093.9 | 1093.4 | 1093.0 | 1092.5 | 1092.1 | 1092.5 |
| 142.5° | 1128.4 | 1129.1 | 1129.8 | 1130.5 | 1130.8 | 1130.5 | 1129.8 | 1129.1 | 1128.4 | 1127.7 | 1128.4 |
| 145°   | 1162.8 | 1163.3 | 1163.7 | 1164.2 | 1164.4 | 1164.4 | 1164.4 | 1164.4 | 1164.4 | 1164.4 | 1164.4 |
| 147.5° | 1194.4 | 1194.9 | 1195.3 | 1195.8 | 1196.0 | 1195.4 | 1194.3 | 1193.2 | 1192.0 | 1190.9 | 1192.0 |
| 150°   | 1222.9 | 1223.4 | 1223.8 | 1224.3 | 1224.5 | 1224.2 | 1223.5 | 1222.8 | 1222.2 | 1221.5 | 1222.2 |
| 152.5° | 1247.8 | 1248.7 | 1249.6 | 1250.5 | 1251.0 | 1250.4 | 1249.3 | 1248.2 | 1247.0 | 1245.9 | 1247.0 |
| 155°   | 1270.4 | 1271.6 | 1272.7 | 1273.8 | 1274.4 | 1273.7 | 1272.4 | 1271.0 | 1269.7 | 1268.3 | 1269.7 |
| 157.5° | 1291.1 | 1292.4 | 1293.8 | 1295.1 | 1295.8 | 1294.9 | 1293.1 | 1291.3 | 1289.5 | 1287.7 | 1289.5 |
| 160°   | 1308.4 | 1309.7 | 1311.1 | 1312.4 | 1313.1 | 1312.3 | 1310.7 | 1309.2 | 1307.6 | 1306.0 | 1307.6 |
| 162.5° | 1323.9 | 1325.5 | 1327.0 | 1328.6 | 1329.4 | 1328.7 | 1327.4 | 1326.0 | 1324.7 | 1323.3 | 1324.7 |
| 165°   | 1337.4 | 1339.2 | 1341.0 | 1342.8 | 1343.7 | 1342.9 | 1341.3 | 1339.8 | 1338.2 | 1336.6 | 1338.2 |
| 167.5° | 1348.6 | 1350.4 | 1352.2 | 1354.0 | 1354.9 | 1354.0 | 1352.2 | 1350.4 | 1348.6 | 1346.8 | 1348.6 |
| 170°   | 1357.7 | 1359.5 | 1361.4 | 1363.2 | 1364.1 | 1363.2 | 1361.4 | 1359.5 | 1357.7 | 1355.9 | 1357.7 |
| 172.5° | 1363.8 | 1365.6 | 1367.5 | 1369.3 | 1370.2 | 1369.2 | 1367.1 | 1365.1 | 1363.0 | 1361.0 | 1363.0 |
| 175°   | 1368.7 | 1370.3 | 1371.9 | 1373.5 | 1374.3 | 1373.4 | 1371.6 | 1369.7 | 1367.9 | 1366.1 | 1367.9 |
| 177.5° | 1371.0 | 1372.8 | 1374.6 | 1376.4 | 1377.3 | 1376.2 | 1373.9 | 1371.6 | 1369.4 | 1367.1 | 1369.4 |
| 180°   | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 |

TEST NUMBER: P1031702

CATALOG NUMBER: S123DIW-B560D1030UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 787.2  | 787.2  | 787.2  | 787.2  | 787.2  | 787.2  | 787.2  | 787.2  | 787.2  | 787.2  | 787.2  |
| 2.5°   | 843.7  | 846.0  | 839.9  | 838.3  | 838.3  | 841.4  | 839.1  | 818.5  | 822.3  | 817.7  | 816.2  |
| 5°     | 936.7  | 932.2  | 926.1  | 923.0  | 919.2  | 908.5  | 907.8  | 884.1  | 879.5  | 864.3  | 857.4  |
| 7.5°   | 1039.0 | 1035.2 | 1016.8 | 1014.6 | 1013.0 | 1003.1 | 977.9  | 952.8  | 934.5  | 916.9  | 900.1  |
| 10°    | 1155.7 | 1144.2 | 1135.8 | 1119.1 | 1110.7 | 1096.9 | 1064.1 | 1040.5 | 1009.2 | 982.5  | 947.4  |
| 12.5°  | 1296.0 | 1283.1 | 1254.8 | 1242.6 | 1232.0 | 1193.8 | 1161.0 | 1134.3 | 1073.3 | 1055.0 | 1011.5 |
| 15°    | 1399.0 | 1371.6 | 1368.5 | 1341.8 | 1340.3 | 1298.3 | 1235.8 | 1206.8 | 1159.5 | 1092.4 | 1047.4 |
| 17.5°  | 1510.4 | 1486.0 | 1466.9 | 1434.9 | 1430.3 | 1390.6 | 1344.9 | 1273.9 | 1222.0 | 1158.0 | 1100.8 |
| 20°    | 1592.0 | 1579.0 | 1546.2 | 1533.3 | 1506.6 | 1473.0 | 1425.7 | 1338.0 | 1274.7 | 1210.6 | 1140.4 |
| 22.5°  | 1656.9 | 1643.9 | 1617.9 | 1600.4 | 1585.1 | 1541.7 | 1485.2 | 1410.5 | 1323.5 | 1239.6 | 1167.1 |
| 25°    | 1656.1 | 1652.3 | 1641.6 | 1633.2 | 1621.8 | 1589.7 | 1542.4 | 1470.7 | 1373.8 | 1281.5 | 1180.9 |
| 27.5°  | 1562.3 | 1572.9 | 1591.3 | 1600.4 | 1598.1 | 1593.5 | 1566.8 | 1506.6 | 1419.6 | 1309.8 | 1196.9 |
| 30°    | 1367.0 | 1405.9 | 1440.2 | 1486.0 | 1499.7 | 1533.3 | 1548.5 | 1514.2 | 1444.8 | 1342.6 | 1217.5 |
| 32.5°  | 1133.6 | 1190.0 | 1264.8 | 1289.9 | 1333.4 | 1398.3 | 1470.7 | 1483.7 | 1440.2 | 1361.6 | 1230.4 |
| 35°    | 929.9  | 976.4  | 1034.4 | 1074.1 | 1113.0 | 1218.2 | 1309.8 | 1389.1 | 1403.6 | 1351.7 | 1227.4 |
| 37.5°  | 769.7  | 802.5  | 853.6  | 887.2  | 923.0  | 1013.0 | 1141.2 | 1244.2 | 1316.6 | 1318.2 | 1219.0 |
| 40°    | 653.7  | 668.2  | 712.5  | 736.9  | 771.2  | 849.0  | 963.4  | 1097.7 | 1203.7 | 1252.6 | 1196.9 |
| 42.5°  | 553.8  | 572.9  | 609.5  | 627.8  | 649.9  | 717.8  | 793.3  | 920.7  | 1051.9 | 1156.4 | 1155.7 |
| 45°    | 494.3  | 508.0  | 524.8  | 540.1  | 565.3  | 605.7  | 691.9  | 787.2  | 913.1  | 1031.3 | 1077.9 |
| 47.5°  | 441.7  | 454.6  | 471.4  | 476.0  | 492.8  | 530.9  | 583.6  | 666.7  | 784.2  | 901.7  | 989.4  |
| 50°    | 397.4  | 408.1  | 419.6  | 427.9  | 435.6  | 466.8  | 506.5  | 576.7  | 670.5  | 784.2  | 893.3  |
| 52.5°  | 363.1  | 370.7  | 380.6  | 385.2  | 392.1  | 415.0  | 445.5  | 497.4  | 574.4  | 678.2  | 784.2  |
| 55°    | 331.1  | 336.4  | 342.5  | 350.1  | 353.2  | 370.0  | 393.6  | 437.9  | 495.1  | 588.1  | 688.8  |
| 57.5°  | 301.3  | 303.6  | 307.4  | 312.0  | 315.8  | 330.3  | 350.9  | 380.6  | 431.0  | 502.7  | 598.1  |
| 60°    | 267.8  | 273.9  | 276.1  | 280.7  | 283.0  | 294.5  | 310.5  | 335.6  | 374.5  | 436.3  | 508.0  |
| 62.5°  | 239.5  | 243.3  | 247.2  | 249.4  | 254.8  | 258.6  | 271.6  | 294.5  | 326.5  | 372.3  | 437.1  |
| 65°    | 214.4  | 215.9  | 218.2  | 220.5  | 222.0  | 226.6  | 238.8  | 254.0  | 278.4  | 318.9  | 369.2  |
| 67.5°  | 185.4  | 186.9  | 189.9  | 190.7  | 192.2  | 198.3  | 205.2  | 218.2  | 238.8  | 269.3  | 310.5  |
| 70°    | 157.1  | 159.4  | 161.0  | 162.5  | 164.8  | 167.1  | 174.7  | 185.4  | 201.4  | 222.7  | 254.8  |
| 72.5°  | 132.7  | 135.0  | 135.0  | 136.5  | 135.8  | 138.8  | 146.5  | 154.1  | 164.8  | 182.3  | 210.5  |
| 75°    | 108.3  | 108.3  | 109.8  | 110.6  | 111.4  | 114.4  | 117.5  | 123.6  | 132.0  | 145.7  | 163.2  |
| 77.5°  | 85.4   | 84.7   | 86.2   | 86.2   | 86.2   | 88.5   | 91.5   | 94.6   | 99.9   | 109.8  | 123.6  |
| 80°    | 62.6   | 62.6   | 64.1   | 64.8   | 63.3   | 64.1   | 65.6   | 68.7   | 72.5   | 79.3   | 87.0   |
| 82.5°  | 41.2   | 44.2   | 43.5   | 44.2   | 43.5   | 45.0   | 45.8   | 46.5   | 48.1   | 51.1   | 56.4   |
| 85°    | 25.2   | 25.2   | 25.2   | 25.9   | 25.2   | 25.9   | 25.9   | 25.9   | 26.7   | 28.2   | 30.5   |
| 87.5°  | 10.7   | 10.7   | 10.7   | 11.4   | 10.7   | 10.7   | 11.4   | 10.7   | 11.4   | 11.4   | 12.2   |
| 90°    | 29.7   | 29.2   | 28.7   | 28.5   | 28.0   | 27.1   | 26.2   | 25.3   | 24.4   | 21.5   | 18.5   |
| 92.5°  | 34.2   | 33.9   | 33.7   | 33.6   | 32.8   | 31.2   | 29.7   | 28.1   | 26.5   | 24.5   | 22.4   |
| 95°    | 38.7   | 38.7   | 38.7   | 38.7   | 37.9   | 36.3   | 34.8   | 33.2   | 31.6   | 29.1   | 26.6   |
| 97.5°  | 41.3   | 41.1   | 40.8   | 40.7   | 39.8   | 38.0   | 36.2   | 34.4   | 32.6   | 44.2   | 55.7   |
| 100°   | 42.4   | 42.1   | 41.9   | 41.8   | 40.9   | 39.1   | 37.2   | 35.4   | 33.6   | 68.9   | 104.2  |
| 102.5° | 42.9   | 42.5   | 42.0   | 41.8   | 45.5   | 53.0   | 60.5   | 67.9   | 75.4   | 114.8  | 154.2  |
| 105°   | 43.9   | 43.5   | 43.0   | 42.8   | 62.8   | 102.9  | 143.0  | 183.0  | 223.1  | 243.5  | 263.9  |
| 107.5° | 165.2  | 194.9  | 224.6  | 239.4  | 256.8  | 291.7  | 326.6  | 361.4  | 396.3  | 392.9  | 389.5  |
| 110°   | 344.9  | 377.3  | 409.6  | 425.8  | 429.5  | 437.0  | 444.5  | 451.9  | 459.4  | 456.9  | 454.4  |

TEST NUMBER: P1031702

CATALOG NUMBER: S123DIW-B560D1030UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 531.7  | 532.1  | 532.6  | 532.8  | 531.8  | 529.7  | 527.7  | 525.6  | 523.6  | 521.1  | 518.6  |
| 115°   | 597.2  | 596.3  | 595.4  | 594.9  | 593.8  | 591.5  | 589.3  | 587.0  | 584.8  | 582.8  | 580.7  |
| 117.5° | 653.6  | 653.3  | 653.1  | 653.0  | 652.1  | 650.3  | 648.5  | 646.7  | 644.9  | 643.8  | 642.6  |
| 120°   | 711.1  | 711.1  | 711.1  | 711.1  | 710.2  | 708.4  | 706.5  | 704.7  | 702.9  | 702.2  | 701.6  |
| 122.5° | 766.7  | 766.4  | 766.2  | 766.1  | 765.5  | 764.4  | 763.3  | 762.1  | 761.0  | 760.1  | 759.2  |
| 125°   | 818.2  | 817.7  | 817.2  | 817.0  | 816.8  | 816.3  | 815.9  | 815.4  | 815.0  | 814.1  | 813.2  |
| 127.5° | 870.9  | 871.3  | 871.8  | 872.0  | 871.7  | 871.0  | 870.3  | 869.7  | 869.0  | 867.9  | 866.7  |
| 130°   | 919.8  | 920.2  | 920.7  | 920.9  | 920.5  | 919.6  | 918.7  | 917.8  | 916.9  | 916.0  | 915.1  |
| 132.5° | 965.1  | 965.8  | 966.5  | 966.8  | 966.3  | 965.4  | 964.5  | 963.6  | 962.7  | 962.0  | 961.3  |
| 135°   | 1010.9 | 1011.6 | 1012.3 | 1012.6 | 1012.3 | 1011.6 | 1010.9 | 1010.3 | 1009.6 | 1008.7 | 1007.8 |
| 137.5° | 1054.3 | 1054.7 | 1055.2 | 1055.4 | 1054.8 | 1053.7 | 1052.6 | 1051.4 | 1050.3 | 1049.9 | 1049.4 |
| 140°   | 1093.0 | 1093.4 | 1093.9 | 1094.1 | 1093.6 | 1092.7 | 1091.8 | 1090.9 | 1090.0 | 1089.3 | 1088.7 |
| 142.5° | 1129.1 | 1129.8 | 1130.5 | 1130.8 | 1130.5 | 1129.8 | 1129.1 | 1128.4 | 1127.7 | 1127.0 | 1126.4 |
| 145°   | 1164.4 | 1164.4 | 1164.4 | 1164.4 | 1164.2 | 1163.7 | 1163.3 | 1162.8 | 1162.4 | 1161.9 | 1161.5 |
| 147.5° | 1193.2 | 1194.3 | 1195.4 | 1196.0 | 1195.8 | 1195.3 | 1194.9 | 1194.4 | 1194.0 | 1193.5 | 1193.1 |
| 150°   | 1222.8 | 1223.5 | 1224.2 | 1224.5 | 1224.3 | 1223.8 | 1223.4 | 1222.9 | 1222.5 | 1222.0 | 1221.6 |
| 152.5° | 1248.2 | 1249.3 | 1250.4 | 1251.0 | 1250.5 | 1249.6 | 1248.7 | 1247.8 | 1246.9 | 1246.7 | 1246.5 |
| 155°   | 1271.0 | 1272.4 | 1273.7 | 1274.4 | 1273.8 | 1272.7 | 1271.6 | 1270.4 | 1269.3 | 1269.1 | 1268.9 |
| 157.5° | 1291.3 | 1293.1 | 1294.9 | 1295.8 | 1295.1 | 1293.8 | 1292.4 | 1291.1 | 1289.7 | 1289.9 | 1290.1 |
| 160°   | 1309.2 | 1310.7 | 1312.3 | 1313.1 | 1312.4 | 1311.1 | 1309.7 | 1308.4 | 1307.0 | 1307.2 | 1307.5 |
| 162.5° | 1326.0 | 1327.4 | 1328.7 | 1329.4 | 1328.6 | 1327.0 | 1325.5 | 1323.9 | 1322.3 | 1322.5 | 1322.7 |
| 165°   | 1339.8 | 1341.3 | 1342.9 | 1343.7 | 1342.8 | 1341.0 | 1339.2 | 1337.4 | 1335.6 | 1335.8 | 1336.0 |
| 167.5° | 1350.4 | 1352.2 | 1354.0 | 1354.9 | 1354.0 | 1352.2 | 1350.4 | 1348.6 | 1346.8 | 1346.8 | 1346.8 |
| 170°   | 1359.5 | 1361.4 | 1363.2 | 1364.1 | 1363.2 | 1361.4 | 1359.5 | 1357.7 | 1355.9 | 1355.9 | 1355.9 |
| 172.5° | 1365.1 | 1367.1 | 1369.2 | 1370.2 | 1369.3 | 1367.5 | 1365.6 | 1363.8 | 1362.0 | 1361.8 | 1361.6 |
| 175°   | 1369.7 | 1371.6 | 1373.4 | 1374.3 | 1373.5 | 1371.9 | 1370.3 | 1368.7 | 1367.1 | 1366.9 | 1366.7 |
| 177.5° | 1371.6 | 1373.9 | 1376.2 | 1377.3 | 1376.4 | 1374.6 | 1372.8 | 1371.0 | 1369.2 | 1369.0 | 1368.8 |
| 180°   | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 |

TEST NUMBER: P1031702

CATALOG NUMBER: S123DIW-B560D1030UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 787.2  | 787.2  | 787.2  | 787.2 | 787.2 | 787.2 | 787.2 | 787.2 | 787.2 | 787.2 | 787.2 |
| 2.5°   | 808.6  | 806.3  | 806.3  | 804.8 | 800.2 | 791.8 | 791.0 | 792.6 | 788.0 | 783.4 | 776.6 |
| 5°     | 848.3  | 833.8  | 829.2  | 824.6 | 815.5 | 800.2 | 794.1 | 788.8 | 780.4 | 770.5 | 759.8 |
| 7.5°   | 881.8  | 861.2  | 855.1  | 846.7 | 828.4 | 807.1 | 793.3 | 781.9 | 770.5 | 756.7 | 743.8 |
| 10°    | 923.8  | 894.0  | 879.5  | 867.3 | 842.2 | 812.4 | 791.8 | 775.0 | 756.7 | 739.9 | 723.2 |
| 12.5°  | 971.1  | 923.0  | 918.4  | 888.7 | 859.7 | 815.5 | 790.3 | 765.9 | 741.5 | 720.9 | 703.3 |
| 15°    | 1010.7 | 958.1  | 939.0  | 919.2 | 863.5 | 808.6 | 784.2 | 756.7 | 728.5 | 706.4 | 680.4 |
| 17.5°  | 1035.9 | 992.4  | 952.0  | 925.3 | 867.3 | 818.5 | 771.2 | 739.9 | 710.2 | 679.7 | 658.3 |
| 20°    | 1066.4 | 1003.1 | 968.0  | 932.2 | 875.0 | 810.9 | 763.6 | 724.7 | 688.1 | 660.6 | 634.7 |
| 22.5°  | 1096.9 | 1011.5 | 982.5  | 943.6 | 876.5 | 803.3 | 749.9 | 711.0 | 669.0 | 641.5 | 613.3 |
| 25°    | 1093.9 | 1023.7 | 975.7  | 942.9 | 861.2 | 796.4 | 733.8 | 688.1 | 649.2 | 614.1 | 585.8 |
| 27.5°  | 1096.2 | 1010.0 | 961.2  | 923.0 | 850.5 | 786.5 | 717.1 | 669.0 | 628.6 | 592.0 | 562.2 |
| 30°    | 1096.9 | 989.4  | 946.7  | 900.9 | 830.7 | 762.8 | 698.0 | 649.2 | 606.4 | 566.8 | 540.1 |
| 32.5°  | 1094.7 | 972.6  | 919.2  | 878.0 | 799.4 | 739.9 | 675.9 | 624.0 | 580.5 | 543.9 | 518.7 |
| 35°    | 1089.3 | 952.8  | 891.0  | 839.1 | 767.4 | 707.1 | 655.3 | 601.9 | 555.3 | 521.8 | 492.8 |
| 37.5°  | 1074.8 | 931.4  | 861.2  | 810.1 | 730.0 | 669.0 | 623.2 | 579.0 | 534.0 | 494.3 | 469.9 |
| 40°    | 1064.1 | 902.4  | 831.5  | 775.8 | 689.6 | 630.1 | 592.0 | 550.0 | 505.8 | 469.9 | 446.3 |
| 42.5°  | 1039.7 | 875.0  | 801.0  | 734.6 | 649.9 | 588.9 | 553.0 | 519.5 | 481.3 | 446.3 | 424.9 |
| 45°    | 1000.1 | 845.2  | 763.6  | 696.5 | 606.4 | 548.5 | 515.7 | 488.2 | 454.6 | 421.1 | 399.7 |
| 47.5°  | 944.4  | 802.5  | 723.9  | 656.8 | 563.7 | 505.0 | 472.2 | 451.6 | 424.9 | 396.7 | 378.4 |
| 50°    | 884.1  | 756.0  | 683.5  | 617.1 | 522.5 | 465.3 | 433.3 | 414.2 | 396.7 | 370.7 | 353.2 |
| 52.5°  | 805.5  | 706.4  | 637.0  | 573.6 | 478.3 | 423.4 | 395.1 | 381.4 | 363.1 | 344.8 | 329.5 |
| 55°    | 729.3  | 642.3  | 585.1  | 524.8 | 434.8 | 383.7 | 356.2 | 341.7 | 331.1 | 315.8 | 303.6 |
| 57.5°  | 640.8  | 582.8  | 530.2  | 475.2 | 394.4 | 347.8 | 321.9 | 304.4 | 297.5 | 290.6 | 279.2 |
| 60°    | 559.2  | 514.9  | 472.2  | 426.4 | 352.4 | 310.5 | 285.3 | 271.6 | 264.7 | 260.1 | 252.5 |
| 62.5°  | 484.4  | 450.1  | 413.5  | 376.8 | 309.7 | 271.6 | 252.5 | 238.8 | 232.7 | 231.9 | 225.0 |
| 65°    | 412.7  | 388.3  | 358.5  | 322.7 | 270.0 | 236.5 | 218.2 | 209.8 | 202.9 | 202.9 | 197.6 |
| 67.5°  | 341.0  | 324.2  | 300.6  | 275.4 | 234.2 | 202.9 | 186.1 | 178.5 | 174.7 | 174.7 | 170.9 |
| 70°    | 283.8  | 272.3  | 251.0  | 228.8 | 193.0 | 169.3 | 156.4 | 149.5 | 147.2 | 148.0 | 144.9 |
| 72.5°  | 230.4  | 218.2  | 200.6  | 184.6 | 157.9 | 140.4 | 131.2 | 123.6 | 119.8 | 120.5 | 119.8 |
| 75°    | 178.5  | 172.4  | 157.1  | 144.9 | 123.6 | 111.4 | 103.0 | 99.2  | 96.1  | 96.9  | 95.4  |
| 77.5°  | 134.3  | 125.1  | 116.7  | 108.3 | 95.4  | 85.4  | 78.6  | 74.8  | 72.5  | 72.5  | 72.5  |
| 80°    | 91.5   | 90.0   | 83.1   | 78.6  | 67.9  | 60.3  | 54.9  | 54.2  | 51.9  | 51.9  | 51.9  |
| 82.5°  | 59.5   | 55.7   | 51.9   | 48.8  | 42.7  | 38.1  | 35.9  | 34.3  | 33.6  | 32.8  | 34.3  |
| 85°    | 32.8   | 30.5   | 29.0   | 25.9  | 23.6  | 21.4  | 19.1  | 18.3  | 17.5  | 18.3  | 17.5  |
| 87.5°  | 13.0   | 10.7   | 10.7   | 9.9   | 9.2   | 8.4   | 8.4   | 6.9   | 6.9   | 6.1   | 6.1   |
| 90°    | 15.6   | 12.7   | 11.2   | 10.1  | 7.8   | 5.5   | 3.3   | 1.0   | 3.3   | 5.5   | 7.8   |
| 92.5°  | 20.4   | 18.3   | 17.3   | 18.0  | 19.3  | 20.7  | 22.0  | 23.4  | 22.0  | 20.7  | 19.3  |
| 95°    | 24.1   | 21.6   | 20.4   | 25.0  | 34.3  | 43.6  | 52.8  | 62.1  | 52.8  | 43.6  | 34.3  |
| 97.5°  | 67.3   | 78.8   | 84.6   | 87.8  | 94.1  | 100.4 | 106.8 | 113.1 | 106.8 | 100.4 | 94.1  |
| 100°   | 139.5  | 174.8  | 192.5  | 190.2 | 185.7 | 181.2 | 176.7 | 172.2 | 176.7 | 181.2 | 185.7 |
| 102.5° | 193.5  | 232.9  | 252.6  | 251.1 | 248.2 | 245.3 | 242.3 | 239.4 | 242.3 | 245.3 | 248.2 |
| 105°   | 284.2  | 304.6  | 314.8  | 313.6 | 311.1 | 308.6 | 306.1 | 303.6 | 306.1 | 308.6 | 311.1 |
| 107.5° | 386.1  | 382.7  | 381.0  | 380.0 | 377.9 | 375.9 | 373.8 | 371.8 | 373.8 | 375.9 | 377.9 |
| 110°   | 451.9  | 449.4  | 448.2  | 447.3 | 445.5 | 443.7 | 441.9 | 440.1 | 441.9 | 443.7 | 445.5 |

TEST NUMBER: P1031702

CATALOG NUMBER: S123DIW-B560D1030UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 516.1  | 513.6  | 512.4  | 511.6  | 510.0  | 508.5  | 506.9  | 505.3  | 506.9  | 508.5  | 510.0  |
| 115°   | 578.7  | 576.6  | 575.6  | 574.9  | 573.6  | 572.2  | 570.9  | 569.5  | 570.9  | 572.2  | 573.6  |
| 117.5° | 641.5  | 640.4  | 639.8  | 639.0  | 637.4  | 635.8  | 634.2  | 632.6  | 634.2  | 635.8  | 637.4  |
| 120°   | 700.9  | 700.2  | 699.9  | 698.9  | 696.8  | 694.8  | 692.7  | 690.7  | 692.7  | 694.8  | 696.8  |
| 122.5° | 758.3  | 757.4  | 756.9  | 756.1  | 754.5  | 753.0  | 751.4  | 749.8  | 751.4  | 753.0  | 754.5  |
| 125°   | 812.3  | 811.4  | 810.9  | 810.0  | 808.2  | 806.4  | 804.6  | 802.8  | 804.6  | 806.4  | 808.2  |
| 127.5° | 865.6  | 864.5  | 863.9  | 863.0  | 861.2  | 859.3  | 857.5  | 855.7  | 857.5  | 859.3  | 861.2  |
| 130°   | 914.2  | 913.3  | 912.8  | 911.9  | 910.1  | 908.2  | 906.4  | 904.6  | 906.4  | 908.2  | 910.1  |
| 132.5° | 960.6  | 959.9  | 959.6  | 958.7  | 956.9  | 955.1  | 953.3  | 951.5  | 953.3  | 955.1  | 956.9  |
| 135°   | 1006.9 | 1006.0 | 1005.5 | 1004.8 | 1003.5 | 1002.1 | 1000.8 | 999.4  | 1000.8 | 1002.1 | 1003.5 |
| 137.5° | 1049.0 | 1048.5 | 1048.3 | 1047.4 | 1045.6 | 1043.7 | 1041.9 | 1040.1 | 1041.9 | 1043.7 | 1045.6 |
| 140°   | 1088.0 | 1087.3 | 1087.0 | 1086.3 | 1085.0 | 1083.6 | 1082.3 | 1080.9 | 1082.3 | 1083.6 | 1085.0 |
| 142.5° | 1125.7 | 1125.0 | 1124.7 | 1124.0 | 1122.7 | 1121.3 | 1120.0 | 1118.6 | 1120.0 | 1121.3 | 1122.7 |
| 145°   | 1161.0 | 1160.5 | 1160.3 | 1159.5 | 1157.9 | 1156.4 | 1154.8 | 1153.2 | 1154.8 | 1156.4 | 1157.9 |
| 147.5° | 1192.6 | 1192.1 | 1191.9 | 1191.3 | 1190.2 | 1189.1 | 1187.9 | 1186.8 | 1187.9 | 1189.1 | 1190.2 |
| 150°   | 1221.1 | 1220.6 | 1220.4 | 1220.1 | 1219.4 | 1218.7 | 1218.1 | 1217.4 | 1218.1 | 1218.7 | 1219.4 |
| 152.5° | 1246.2 | 1246.0 | 1245.9 | 1245.8 | 1245.6 | 1245.3 | 1245.1 | 1244.9 | 1245.1 | 1245.3 | 1245.6 |
| 155°   | 1268.6 | 1268.4 | 1268.3 | 1268.5 | 1269.0 | 1269.5 | 1269.9 | 1270.4 | 1269.9 | 1269.5 | 1269.0 |
| 157.5° | 1290.4 | 1290.6 | 1290.7 | 1290.7 | 1290.7 | 1290.7 | 1290.7 | 1290.7 | 1290.7 | 1290.7 | 1290.7 |
| 160°   | 1307.7 | 1308.0 | 1308.1 | 1308.2 | 1308.4 | 1308.7 | 1308.9 | 1309.1 | 1308.9 | 1308.7 | 1308.4 |
| 162.5° | 1323.0 | 1323.2 | 1323.3 | 1323.6 | 1324.3 | 1325.0 | 1325.7 | 1326.4 | 1325.7 | 1325.0 | 1324.3 |
| 165°   | 1336.3 | 1336.5 | 1336.6 | 1336.9 | 1337.6 | 1338.3 | 1338.9 | 1339.6 | 1338.9 | 1338.3 | 1337.6 |
| 167.5° | 1346.8 | 1346.8 | 1346.8 | 1347.2 | 1348.1 | 1349.0 | 1349.9 | 1350.8 | 1349.9 | 1349.0 | 1348.1 |
| 170°   | 1355.9 | 1355.9 | 1355.9 | 1356.4 | 1357.3 | 1358.2 | 1359.1 | 1360.0 | 1359.1 | 1358.2 | 1357.3 |
| 172.5° | 1361.3 | 1361.1 | 1361.0 | 1361.6 | 1362.7 | 1363.8 | 1365.0 | 1366.1 | 1365.0 | 1363.8 | 1362.7 |
| 175°   | 1366.4 | 1366.2 | 1366.1 | 1366.7 | 1367.8 | 1368.9 | 1370.1 | 1371.2 | 1370.1 | 1368.9 | 1367.8 |
| 177.5° | 1368.5 | 1368.3 | 1368.2 | 1368.8 | 1369.9 | 1371.0 | 1372.2 | 1373.3 | 1372.2 | 1371.0 | 1369.9 |
| 180°   | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 |

TEST NUMBER: P1031702

CATALOG NUMBER: S123DIW-B560D1030UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 787.2 | 787.2  | 787.2 | 787.2 | 787.2 | 787.2 | 787.2 | 787.2 | 787.2 | 787.2 | 787.2 |
| 2.5°   | 775.0 | 774.3  | 775.8 | 771.2 | 763.6 | 759.8 | 749.1 | 746.8 | 746.0 | 746.8 | 747.6 |
| 5°     | 753.7 | 752.9  | 750.6 | 743.0 | 733.8 | 727.0 | 714.0 | 713.2 | 708.7 | 704.1 | 706.4 |
| 7.5°   | 733.1 | 730.0  | 725.4 | 715.5 | 703.3 | 695.7 | 685.0 | 677.4 | 671.3 | 667.5 | 664.4 |
| 10°    | 712.5 | 707.9  | 703.3 | 690.4 | 675.1 | 663.7 | 650.7 | 644.6 | 637.7 | 634.7 | 631.6 |
| 12.5°  | 685.8 | 681.2  | 672.8 | 657.6 | 648.4 | 633.9 | 620.9 | 614.8 | 611.0 | 604.9 | 601.1 |
| 15°    | 664.4 | 655.3  | 650.7 | 634.7 | 615.6 | 614.1 | 590.4 | 588.9 | 581.3 | 581.3 | 575.2 |
| 17.5°  | 640.0 | 633.1  | 624.8 | 608.7 | 595.0 | 581.3 | 569.1 | 564.5 | 557.6 | 556.1 | 553.0 |
| 20°    | 616.4 | 607.2  | 604.2 | 588.1 | 573.6 | 556.9 | 543.9 | 539.3 | 536.3 | 533.2 | 535.5 |
| 22.5°  | 592.0 | 584.3  | 576.7 | 562.2 | 551.5 | 534.7 | 527.1 | 522.5 | 518.0 | 516.4 | 517.2 |
| 25°    | 568.3 | 561.4  | 553.8 | 539.3 | 527.9 | 514.1 | 507.3 | 505.0 | 502.7 | 502.7 | 501.9 |
| 27.5°  | 545.4 | 538.6  | 531.7 | 518.7 | 507.3 | 497.4 | 492.0 | 489.7 | 487.4 | 489.0 | 490.5 |
| 30°    | 521.8 | 515.7  | 509.6 | 498.1 | 489.0 | 479.8 | 476.8 | 475.2 | 474.5 | 478.3 | 478.3 |
| 32.5°  | 500.4 | 495.1  | 490.5 | 479.8 | 470.7 | 463.0 | 460.7 | 461.5 | 462.3 | 464.6 | 466.1 |
| 35°    | 478.3 | 474.5  | 469.9 | 460.7 | 453.1 | 446.3 | 447.0 | 447.0 | 448.5 | 452.4 | 455.4 |
| 37.5°  | 458.5 | 453.1  | 449.3 | 441.7 | 435.6 | 429.5 | 431.8 | 434.0 | 435.6 | 440.1 | 441.7 |
| 40°    | 434.8 | 432.5  | 429.5 | 421.8 | 416.5 | 415.7 | 416.5 | 418.0 | 421.1 | 423.4 | 425.7 |
| 42.5°  | 415.7 | 412.7  | 408.9 | 402.8 | 398.2 | 399.0 | 399.7 | 401.2 | 402.8 | 406.6 | 408.9 |
| 45°    | 394.4 | 392.1  | 389.0 | 383.7 | 379.9 | 380.6 | 381.4 | 381.4 | 382.9 | 387.5 | 389.0 |
| 47.5°  | 370.7 | 371.5  | 367.7 | 362.3 | 360.1 | 360.1 | 360.1 | 361.6 | 365.4 | 366.9 | 367.7 |
| 50°    | 347.8 | 346.3  | 345.6 | 340.2 | 338.7 | 337.9 | 338.7 | 339.5 | 344.8 | 344.0 | 346.3 |
| 52.5°  | 323.4 | 323.4  | 322.7 | 319.6 | 317.3 | 317.3 | 315.8 | 319.6 | 321.1 | 322.7 | 325.0 |
| 55°    | 299.8 | 297.5  | 296.7 | 295.2 | 292.2 | 291.4 | 292.9 | 297.5 | 299.0 | 300.6 | 302.8 |
| 57.5°  | 273.9 | 273.9  | 272.3 | 270.0 | 270.0 | 270.0 | 270.0 | 273.1 | 275.4 | 276.9 | 281.5 |
| 60°    | 250.2 | 247.2  | 244.9 | 244.9 | 244.9 | 244.1 | 248.7 | 248.7 | 253.3 | 254.0 | 255.5 |
| 62.5°  | 222.0 | 220.5  | 218.9 | 219.7 | 218.9 | 220.5 | 222.0 | 225.0 | 225.8 | 228.1 | 230.4 |
| 65°    | 195.3 | 195.3  | 193.8 | 198.3 | 195.3 | 195.3 | 199.1 | 199.1 | 200.6 | 202.9 | 206.0 |
| 67.5°  | 169.3 | 170.1  | 168.6 | 168.6 | 170.1 | 170.9 | 171.6 | 174.7 | 175.4 | 178.5 | 182.3 |
| 70°    | 142.6 | 144.2  | 144.9 | 143.4 | 144.9 | 146.5 | 148.0 | 148.8 | 151.8 | 153.3 | 155.6 |
| 72.5°  | 119.0 | 120.5  | 118.2 | 119.0 | 119.8 | 121.3 | 122.1 | 123.6 | 125.1 | 129.7 | 131.2 |
| 75°    | 95.4  | 94.6   | 93.8  | 96.9  | 95.4  | 98.4  | 99.2  | 99.2  | 100.7 | 104.5 | 106.0 |
| 77.5°  | 73.2  | 73.2   | 74.0  | 72.5  | 74.8  | 74.0  | 74.8  | 77.0  | 79.3  | 79.3  | 85.4  |
| 80°    | 51.1  | 52.6   | 52.6  | 52.6  | 53.4  | 54.2  | 52.6  | 56.4  | 57.2  | 57.2  | 59.5  |
| 82.5°  | 32.8  | 33.6   | 32.8  | 34.3  | 34.3  | 35.9  | 35.1  | 35.9  | 37.4  | 38.9  | 39.7  |
| 85°    | 17.5  | 17.5   | 19.1  | 19.1  | 18.3  | 19.1  | 18.3  | 19.1  | 20.6  | 20.6  | 21.4  |
| 87.5°  | 6.1   | 6.1    | 6.1   | 6.1   | 6.9   | 6.1   | 6.9   | 6.9   | 6.1   | 6.1   | 8.4   |
| 90°    | 10.1  | 11.2   | 12.7  | 15.6  | 18.5  | 21.5  | 24.4  | 25.3  | 26.2  | 27.1  | 28.0  |
| 92.5°  | 18.0  | 17.3   | 18.3  | 20.4  | 22.4  | 24.5  | 26.5  | 28.1  | 29.7  | 31.2  | 32.8  |
| 95°    | 25.0  | 20.4   | 21.6  | 24.1  | 26.6  | 29.1  | 31.6  | 33.2  | 34.8  | 36.3  | 37.9  |
| 97.5°  | 87.8  | 84.6   | 78.8  | 67.3  | 55.7  | 44.2  | 32.6  | 34.4  | 36.2  | 38.0  | 39.8  |
| 100°   | 190.2 | 192.5  | 174.8 | 139.5 | 104.2 | 68.9  | 33.6  | 35.4  | 37.2  | 39.1  | 40.9  |
| 102.5° | 251.1 | 252.6  | 232.9 | 193.5 | 154.2 | 114.8 | 75.4  | 67.9  | 60.5  | 53.0  | 45.5  |
| 105°   | 313.6 | 314.8  | 304.6 | 284.2 | 263.9 | 243.5 | 223.1 | 183.0 | 143.0 | 102.9 | 62.8  |
| 107.5° | 380.0 | 381.0  | 382.7 | 386.1 | 389.5 | 392.9 | 396.3 | 361.4 | 326.6 | 291.7 | 256.8 |
| 110°   | 447.3 | 448.2  | 449.4 | 451.9 | 454.4 | 456.9 | 459.4 | 451.9 | 444.5 | 437.0 | 429.5 |

TEST NUMBER: P1031702

CATALOG NUMBER: S123DIW-B560D1030UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 511.6  | 512.4  | 513.6  | 516.1  | 518.6  | 521.1  | 523.6  | 525.6  | 527.7  | 529.7  | 531.8  |
| 115°   | 574.9  | 575.6  | 576.6  | 578.7  | 580.7  | 582.8  | 584.8  | 587.0  | 589.3  | 591.5  | 593.8  |
| 117.5° | 639.0  | 639.8  | 640.4  | 641.5  | 642.6  | 643.8  | 644.9  | 646.7  | 648.5  | 650.3  | 652.1  |
| 120°   | 698.9  | 699.9  | 700.2  | 700.9  | 701.6  | 702.2  | 702.9  | 704.7  | 706.5  | 708.4  | 710.2  |
| 122.5° | 756.1  | 756.9  | 757.4  | 758.3  | 759.2  | 760.1  | 761.0  | 762.1  | 763.3  | 764.4  | 765.5  |
| 125°   | 810.0  | 810.9  | 811.4  | 812.3  | 813.2  | 814.1  | 815.0  | 815.4  | 815.9  | 816.3  | 816.8  |
| 127.5° | 863.0  | 863.9  | 864.5  | 865.6  | 866.7  | 867.9  | 869.0  | 869.7  | 870.3  | 871.0  | 871.7  |
| 130°   | 911.9  | 912.8  | 913.3  | 914.2  | 915.1  | 916.0  | 916.9  | 917.8  | 918.7  | 919.6  | 920.5  |
| 132.5° | 958.7  | 959.6  | 959.9  | 960.6  | 961.3  | 962.0  | 962.7  | 963.6  | 964.5  | 965.4  | 966.3  |
| 135°   | 1004.8 | 1005.5 | 1006.0 | 1006.9 | 1007.8 | 1008.7 | 1009.6 | 1010.3 | 1010.9 | 1011.6 | 1012.3 |
| 137.5° | 1047.4 | 1048.3 | 1048.5 | 1049.0 | 1049.4 | 1049.9 | 1050.3 | 1051.4 | 1052.6 | 1053.7 | 1054.8 |
| 140°   | 1086.3 | 1087.0 | 1087.3 | 1088.0 | 1088.7 | 1089.3 | 1090.0 | 1090.9 | 1091.8 | 1092.7 | 1093.6 |
| 142.5° | 1124.0 | 1124.7 | 1125.0 | 1125.7 | 1126.4 | 1127.0 | 1127.7 | 1128.4 | 1129.1 | 1129.8 | 1130.5 |
| 145°   | 1159.5 | 1160.3 | 1160.5 | 1161.0 | 1161.5 | 1161.9 | 1162.4 | 1162.8 | 1163.3 | 1163.7 | 1164.2 |
| 147.5° | 1191.3 | 1191.9 | 1192.1 | 1192.6 | 1193.1 | 1193.5 | 1194.0 | 1194.4 | 1194.9 | 1195.3 | 1195.8 |
| 150°   | 1220.1 | 1220.4 | 1220.6 | 1221.1 | 1221.6 | 1222.0 | 1222.5 | 1222.9 | 1223.4 | 1223.8 | 1224.3 |
| 152.5° | 1245.8 | 1245.9 | 1246.0 | 1246.2 | 1246.5 | 1246.7 | 1246.9 | 1247.8 | 1248.7 | 1249.6 | 1250.5 |
| 155°   | 1268.5 | 1268.3 | 1268.4 | 1268.6 | 1268.9 | 1269.1 | 1269.3 | 1270.4 | 1271.6 | 1272.7 | 1273.8 |
| 157.5° | 1290.7 | 1290.7 | 1290.6 | 1290.4 | 1290.1 | 1289.9 | 1289.7 | 1291.1 | 1292.4 | 1293.8 | 1295.1 |
| 160°   | 1308.2 | 1308.1 | 1308.0 | 1307.7 | 1307.5 | 1307.2 | 1307.0 | 1308.4 | 1309.7 | 1311.1 | 1312.4 |
| 162.5° | 1323.6 | 1323.3 | 1323.2 | 1323.0 | 1322.7 | 1322.5 | 1322.3 | 1323.9 | 1325.5 | 1327.0 | 1328.6 |
| 165°   | 1336.9 | 1336.6 | 1336.5 | 1336.3 | 1336.0 | 1335.8 | 1335.6 | 1337.4 | 1339.2 | 1341.0 | 1342.8 |
| 167.5° | 1347.2 | 1346.8 | 1346.8 | 1346.8 | 1346.8 | 1346.8 | 1346.8 | 1348.6 | 1350.4 | 1352.2 | 1354.0 |
| 170°   | 1356.4 | 1355.9 | 1355.9 | 1355.9 | 1355.9 | 1355.9 | 1355.9 | 1357.7 | 1359.5 | 1361.4 | 1363.2 |
| 172.5° | 1361.6 | 1361.0 | 1361.1 | 1361.3 | 1361.6 | 1361.8 | 1362.0 | 1363.8 | 1365.6 | 1367.5 | 1369.3 |
| 175°   | 1366.7 | 1366.1 | 1366.2 | 1366.4 | 1366.7 | 1366.9 | 1367.1 | 1368.7 | 1370.3 | 1371.9 | 1373.5 |
| 177.5° | 1368.8 | 1368.2 | 1368.3 | 1368.5 | 1368.8 | 1369.0 | 1369.2 | 1371.0 | 1372.8 | 1374.6 | 1376.4 |
| 180°   | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 |

TEST NUMBER: P1031702

CATALOG NUMBER: S123DIW-B560D1030UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0°     | 787.2  | 787.2 | 787.2 | 787.2 | 787.2 | 787.2 | 787.2 | 787.2 | 787.2 | 787.2 | 787.2  |
| 2.5°   | 746.8  | 747.6 | 744.5 | 742.2 | 748.3 | 744.5 | 744.5 | 745.3 | 743.8 | 746.0 | 745.3  |
| 5°     | 704.8  | 705.6 | 700.3 | 701.8 | 698.7 | 698.0 | 697.2 | 701.8 | 701.0 | 700.3 | 701.8  |
| 7.5°   | 663.7  | 663.7 | 661.4 | 659.8 | 659.8 | 657.6 | 660.6 | 659.8 | 661.4 | 661.4 | 663.7  |
| 10°    | 629.3  | 630.9 | 627.0 | 623.2 | 622.5 | 623.2 | 623.2 | 624.0 | 624.8 | 630.1 | 629.3  |
| 12.5°  | 601.1  | 598.8 | 598.1 | 595.8 | 592.0 | 590.4 | 588.9 | 597.3 | 595.0 | 595.0 | 595.0  |
| 15°    | 569.8  | 575.2 | 574.4 | 567.5 | 566.0 | 569.1 | 567.5 | 567.5 | 575.2 | 574.4 | 573.6  |
| 17.5°  | 553.0  | 551.5 | 550.0 | 546.2 | 546.9 | 546.2 | 546.9 | 546.9 | 551.5 | 551.5 | 551.5  |
| 20°    | 534.0  | 530.9 | 530.9 | 529.4 | 529.4 | 527.1 | 530.2 | 530.9 | 534.0 | 534.0 | 534.7  |
| 22.5°  | 517.2  | 514.9 | 514.9 | 514.1 | 515.7 | 512.6 | 515.7 | 516.4 | 516.4 | 518.7 | 518.7  |
| 25°    | 502.7  | 501.2 | 501.2 | 502.7 | 502.7 | 502.7 | 502.7 | 505.8 | 503.5 | 504.2 | 503.5  |
| 27.5°  | 489.7  | 490.5 | 491.3 | 492.0 | 491.3 | 492.0 | 492.8 | 494.3 | 495.1 | 494.3 | 492.8  |
| 30°    | 477.5  | 479.8 | 480.6 | 480.6 | 482.1 | 482.9 | 483.6 | 483.6 | 484.4 | 482.1 | 483.6  |
| 32.5°  | 468.4  | 468.4 | 469.9 | 470.7 | 472.2 | 473.0 | 473.0 | 474.5 | 473.7 | 471.4 | 472.2  |
| 35°    | 455.4  | 455.4 | 458.5 | 460.0 | 462.3 | 461.5 | 462.3 | 462.3 | 463.0 | 461.5 | 459.2  |
| 37.5°  | 442.4  | 444.0 | 444.0 | 447.0 | 447.8 | 448.5 | 447.8 | 449.3 | 448.5 | 447.0 | 446.3  |
| 40°    | 427.2  | 426.4 | 427.2 | 429.5 | 430.2 | 430.2 | 430.2 | 431.8 | 431.8 | 431.8 | 431.0  |
| 42.5°  | 408.1  | 410.4 | 409.6 | 411.9 | 411.2 | 411.2 | 412.7 | 414.2 | 415.0 | 412.7 | 413.5  |
| 45°    | 389.8  | 389.8 | 391.3 | 391.3 | 392.1 | 392.1 | 395.1 | 393.6 | 395.1 | 393.6 | 394.4  |
| 47.5°  | 370.0  | 370.7 | 370.7 | 371.5 | 373.0 | 374.5 | 373.0 | 373.8 | 373.8 | 374.5 | 373.0  |
| 50°    | 347.8  | 347.8 | 349.4 | 351.7 | 354.7 | 353.2 | 352.4 | 355.5 | 353.2 | 353.2 | 351.7  |
| 52.5°  | 325.0  | 327.3 | 328.0 | 330.3 | 332.6 | 333.4 | 334.1 | 332.6 | 333.4 | 331.1 | 331.8  |
| 55°    | 302.8  | 303.6 | 306.7 | 308.9 | 311.2 | 311.2 | 310.5 | 311.2 | 312.0 | 308.9 | 308.9  |
| 57.5°  | 280.7  | 283.0 | 286.1 | 286.1 | 289.1 | 289.1 | 288.3 | 288.3 | 289.1 | 286.8 | 286.1  |
| 60°    | 257.1  | 259.4 | 263.2 | 263.2 | 267.8 | 268.5 | 267.0 | 265.5 | 265.5 | 263.2 | 263.9  |
| 62.5°  | 231.9  | 234.2 | 236.5 | 240.3 | 243.3 | 241.8 | 244.9 | 241.8 | 242.6 | 238.0 | 238.0  |
| 65°    | 209.8  | 210.5 | 214.4 | 218.2 | 218.2 | 219.7 | 218.2 | 218.9 | 216.6 | 216.6 | 213.6  |
| 67.5°  | 183.8  | 183.8 | 187.7 | 191.5 | 195.3 | 195.3 | 195.3 | 193.0 | 193.0 | 190.7 | 190.7  |
| 70°    | 161.0  | 160.2 | 164.0 | 166.3 | 168.6 | 169.3 | 167.8 | 167.1 | 165.5 | 163.2 | 162.5  |
| 72.5°  | 132.7  | 134.3 | 138.1 | 139.6 | 143.4 | 142.6 | 146.5 | 141.9 | 141.9 | 138.1 | 137.3  |
| 75°    | 107.6  | 109.1 | 112.9 | 115.2 | 117.5 | 117.5 | 119.8 | 117.5 | 114.4 | 112.9 | 112.1  |
| 77.5°  | 85.4   | 84.7  | 87.7  | 91.5  | 92.3  | 91.5  | 93.1  | 92.3  | 89.3  | 89.3  | 87.7   |
| 80°    | 61.0   | 63.3  | 66.4  | 65.6  | 68.7  | 67.9  | 67.9  | 66.4  | 66.4  | 64.1  | 65.6   |
| 82.5°  | 40.4   | 42.7  | 43.5  | 42.7  | 43.5  | 45.0  | 45.8  | 45.0  | 45.0  | 43.5  | 44.2   |
| 85°    | 21.4   | 21.4  | 22.9  | 23.6  | 22.9  | 22.9  | 23.6  | 25.9  | 24.4  | 22.9  | 24.4   |
| 87.5°  | 6.9    | 6.1   | 6.1   | 6.9   | 6.1   | 6.1   | 6.9   | 6.9   | 7.6   | 7.6   | 7.6    |
| 90°    | 28.5   | 28.7  | 29.2  | 29.7  | 30.1  | 30.6  | 30.1  | 29.7  | 29.2  | 28.7  | 28.5   |
| 92.5°  | 33.6   | 33.7  | 33.9  | 34.2  | 34.4  | 34.6  | 34.4  | 34.2  | 33.9  | 33.7  | 33.6   |
| 95°    | 38.7   | 38.7  | 38.7  | 38.7  | 38.7  | 38.7  | 38.7  | 38.7  | 38.7  | 38.7  | 38.7   |
| 97.5°  | 40.7   | 40.8  | 41.1  | 41.3  | 41.6  | 41.8  | 41.6  | 41.3  | 41.1  | 40.8  | 40.7   |
| 100°   | 41.8   | 41.9  | 42.1  | 42.4  | 42.6  | 42.8  | 42.6  | 42.4  | 42.1  | 41.9  | 41.8   |
| 102.5° | 41.8   | 42.0  | 42.5  | 42.9  | 43.4  | 43.8  | 43.4  | 42.9  | 42.5  | 42.0  | 41.8   |
| 105°   | 42.8   | 43.0  | 43.5  | 43.9  | 44.4  | 44.8  | 44.4  | 43.9  | 43.5  | 43.0  | 42.8   |
| 107.5° | 239.4  | 224.6 | 194.9 | 165.2 | 135.6 | 105.9 | 135.6 | 165.2 | 194.9 | 224.6 | 239.4  |
| 110°   | 425.8  | 409.6 | 377.3 | 344.9 | 312.6 | 280.2 | 312.6 | 344.9 | 377.3 | 409.6 | 425.8  |

TEST NUMBER: P1031702

CATALOG NUMBER: S123DIW-B560D1030UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 532.8  | 532.6  | 532.1  | 531.7  | 531.2  | 530.8  | 531.2  | 531.7  | 532.1  | 532.6  | 532.8  |
| 115°   | 594.9  | 595.4  | 596.3  | 597.2  | 598.1  | 599.0  | 598.1  | 597.2  | 596.3  | 595.4  | 594.9  |
| 117.5° | 653.0  | 653.1  | 653.3  | 653.6  | 653.8  | 654.0  | 653.8  | 653.6  | 653.3  | 653.1  | 653.0  |
| 120°   | 711.1  | 711.1  | 711.1  | 711.1  | 711.1  | 711.1  | 711.1  | 711.1  | 711.1  | 711.1  | 711.1  |
| 122.5° | 766.1  | 766.2  | 766.4  | 766.7  | 766.9  | 767.1  | 766.9  | 766.7  | 766.4  | 766.2  | 766.1  |
| 125°   | 817.0  | 817.2  | 817.7  | 818.2  | 818.6  | 819.1  | 818.6  | 818.2  | 817.7  | 817.2  | 817.0  |
| 127.5° | 872.0  | 871.8  | 871.3  | 870.9  | 870.4  | 870.0  | 870.4  | 870.9  | 871.3  | 871.8  | 872.0  |
| 130°   | 920.9  | 920.7  | 920.2  | 919.8  | 919.3  | 918.9  | 919.3  | 919.8  | 920.2  | 920.7  | 920.9  |
| 132.5° | 966.8  | 966.5  | 965.8  | 965.1  | 964.4  | 963.7  | 964.4  | 965.1  | 965.8  | 966.5  | 966.8  |
| 135°   | 1012.6 | 1012.3 | 1011.6 | 1010.9 | 1010.3 | 1009.6 | 1010.3 | 1010.9 | 1011.6 | 1012.3 | 1012.6 |
| 137.5° | 1055.4 | 1055.2 | 1054.7 | 1054.3 | 1053.8 | 1053.4 | 1053.8 | 1054.3 | 1054.7 | 1055.2 | 1055.4 |
| 140°   | 1094.1 | 1093.9 | 1093.4 | 1093.0 | 1092.5 | 1092.1 | 1092.5 | 1093.0 | 1093.4 | 1093.9 | 1094.1 |
| 142.5° | 1130.8 | 1130.5 | 1129.8 | 1129.1 | 1128.4 | 1127.7 | 1128.4 | 1129.1 | 1129.8 | 1130.5 | 1130.8 |
| 145°   | 1164.4 | 1164.4 | 1164.4 | 1164.4 | 1164.4 | 1164.4 | 1164.4 | 1164.4 | 1164.4 | 1164.4 | 1164.4 |
| 147.5° | 1196.0 | 1195.4 | 1194.3 | 1193.2 | 1192.0 | 1190.9 | 1192.0 | 1193.2 | 1194.3 | 1195.4 | 1196.0 |
| 150°   | 1224.5 | 1224.2 | 1223.5 | 1222.8 | 1222.2 | 1221.5 | 1222.2 | 1222.8 | 1223.5 | 1224.2 | 1224.5 |
| 152.5° | 1251.0 | 1250.4 | 1249.3 | 1248.2 | 1247.0 | 1245.9 | 1247.0 | 1248.2 | 1249.3 | 1250.4 | 1251.0 |
| 155°   | 1274.4 | 1273.7 | 1272.4 | 1271.0 | 1269.7 | 1268.3 | 1269.7 | 1271.0 | 1272.4 | 1273.7 | 1274.4 |
| 157.5° | 1295.8 | 1294.9 | 1293.1 | 1291.3 | 1289.5 | 1287.7 | 1289.5 | 1291.3 | 1293.1 | 1294.9 | 1295.8 |
| 160°   | 1313.1 | 1312.3 | 1310.7 | 1309.2 | 1307.6 | 1306.0 | 1307.6 | 1309.2 | 1310.7 | 1312.3 | 1313.1 |
| 162.5° | 1329.4 | 1328.7 | 1327.4 | 1326.0 | 1324.7 | 1323.3 | 1324.7 | 1326.0 | 1327.4 | 1328.7 | 1329.4 |
| 165°   | 1343.7 | 1342.9 | 1341.3 | 1339.8 | 1338.2 | 1336.6 | 1338.2 | 1339.8 | 1341.3 | 1342.9 | 1343.7 |
| 167.5° | 1354.9 | 1354.0 | 1352.2 | 1350.4 | 1348.6 | 1346.8 | 1348.6 | 1350.4 | 1352.2 | 1354.0 | 1354.9 |
| 170°   | 1364.1 | 1363.2 | 1361.4 | 1359.5 | 1357.7 | 1355.9 | 1357.7 | 1359.5 | 1361.4 | 1363.2 | 1364.1 |
| 172.5° | 1370.2 | 1369.2 | 1367.1 | 1365.1 | 1363.0 | 1361.0 | 1363.0 | 1365.1 | 1367.1 | 1369.2 | 1370.2 |
| 175°   | 1374.3 | 1373.4 | 1371.6 | 1369.7 | 1367.9 | 1366.1 | 1367.9 | 1369.7 | 1371.6 | 1373.4 | 1374.3 |
| 177.5° | 1377.3 | 1376.2 | 1373.9 | 1371.6 | 1369.4 | 1367.1 | 1369.4 | 1371.6 | 1373.9 | 1376.2 | 1377.3 |
| 180°   | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 |

TEST NUMBER: P1031702

CATALOG NUMBER: S123DIW-B560D1030UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 0°     | 787.2 | 787.2 | 787.2 | 787.2 | 787.2 | 787.2 | 787.2 | 787.2 | 787.2 | 787.2  | 787.2 |
| 2.5°   | 747.6 | 749.1 | 749.9 | 746.8 | 744.5 | 748.3 | 753.7 | 757.5 | 760.5 | 764.3  | 766.6 |
| 5°     | 703.3 | 708.7 | 708.7 | 710.2 | 712.5 | 716.3 | 726.2 | 733.1 | 739.2 | 743.8  | 747.6 |
| 7.5°   | 665.9 | 669.8 | 672.0 | 675.9 | 679.7 | 685.0 | 696.5 | 706.4 | 715.5 | 720.9  | 727.0 |
| 10°    | 632.4 | 635.4 | 639.2 | 641.5 | 648.4 | 656.0 | 670.5 | 678.9 | 689.6 | 698.0  | 705.6 |
| 12.5°  | 600.3 | 611.0 | 613.3 | 612.5 | 618.7 | 627.0 | 641.5 | 654.5 | 665.9 | 674.3  | 682.7 |
| 15°    | 577.5 | 581.3 | 585.8 | 585.1 | 598.1 | 600.3 | 612.5 | 627.8 | 643.1 | 648.4  | 656.0 |
| 17.5°  | 552.3 | 558.4 | 563.0 | 565.3 | 569.1 | 577.5 | 588.9 | 600.3 | 620.2 | 620.9  | 640.8 |
| 20°    | 532.5 | 538.6 | 541.6 | 544.7 | 546.9 | 556.9 | 566.8 | 579.7 | 595.8 | 604.2  | 614.8 |
| 22.5°  | 519.5 | 522.5 | 524.8 | 527.1 | 530.2 | 535.5 | 547.7 | 562.2 | 572.9 | 582.0  | 588.9 |
| 25°    | 504.2 | 507.3 | 510.3 | 511.9 | 514.1 | 517.2 | 526.3 | 537.8 | 553.0 | 559.2  | 566.0 |
| 27.5°  | 493.5 | 493.5 | 495.1 | 495.1 | 498.1 | 501.2 | 508.0 | 518.7 | 530.9 | 538.6  | 547.7 |
| 30°    | 482.1 | 481.3 | 482.1 | 481.3 | 480.6 | 485.2 | 491.3 | 500.4 | 508.8 | 518.0  | 524.1 |
| 32.5°  | 470.7 | 469.9 | 469.9 | 470.7 | 467.6 | 469.9 | 473.0 | 481.3 | 490.5 | 495.1  | 501.9 |
| 35°    | 458.5 | 456.9 | 456.9 | 456.9 | 455.4 | 453.9 | 456.9 | 464.6 | 470.7 | 476.8  | 482.1 |
| 37.5°  | 446.3 | 444.0 | 444.0 | 442.4 | 440.9 | 438.6 | 438.6 | 444.7 | 453.1 | 455.4  | 462.3 |
| 40°    | 429.5 | 429.5 | 427.9 | 427.2 | 425.7 | 424.1 | 421.8 | 427.2 | 434.8 | 437.1  | 442.4 |
| 42.5°  | 412.7 | 410.4 | 409.6 | 409.6 | 409.6 | 407.3 | 405.8 | 409.6 | 414.2 | 418.0  | 421.1 |
| 45°    | 393.6 | 392.1 | 392.9 | 392.1 | 390.6 | 389.8 | 389.0 | 390.6 | 395.9 | 397.4  | 401.2 |
| 47.5°  | 373.0 | 372.3 | 372.3 | 371.5 | 370.7 | 371.5 | 368.4 | 372.3 | 373.8 | 375.3  | 378.4 |
| 50°    | 351.7 | 350.9 | 350.1 | 349.4 | 349.4 | 350.1 | 349.4 | 349.4 | 352.4 | 354.0  | 357.0 |
| 52.5°  | 330.3 | 328.0 | 328.0 | 327.3 | 327.3 | 325.7 | 327.3 | 328.0 | 329.5 | 331.1  | 332.6 |
| 55°    | 307.4 | 307.4 | 305.1 | 305.1 | 303.6 | 303.6 | 304.4 | 303.6 | 306.7 | 308.2  | 308.2 |
| 57.5°  | 285.3 | 282.2 | 283.0 | 281.5 | 280.0 | 279.2 | 279.2 | 280.7 | 282.2 | 282.2  | 283.8 |
| 60°    | 261.6 | 258.6 | 257.8 | 254.8 | 256.3 | 254.0 | 254.8 | 254.8 | 257.8 | 256.3  | 257.8 |
| 62.5°  | 238.0 | 234.2 | 231.9 | 230.4 | 230.4 | 231.1 | 229.6 | 228.8 | 230.4 | 231.9  | 234.9 |
| 65°    | 212.8 | 210.5 | 208.3 | 206.0 | 206.0 | 205.2 | 206.7 | 204.4 | 203.7 | 204.4  | 206.0 |
| 67.5°  | 186.9 | 184.6 | 182.3 | 180.0 | 180.8 | 178.5 | 177.0 | 179.3 | 177.7 | 178.5  | 180.0 |
| 70°    | 161.7 | 160.2 | 155.6 | 154.1 | 153.3 | 154.1 | 153.3 | 151.8 | 154.1 | 153.3  | 154.1 |
| 72.5°  | 136.5 | 135.0 | 132.7 | 128.9 | 128.9 | 128.2 | 127.4 | 127.4 | 126.6 | 126.6  | 126.6 |
| 75°    | 112.1 | 109.1 | 106.8 | 106.0 | 104.5 | 103.7 | 103.0 | 101.5 | 102.2 | 103.0  | 101.5 |
| 77.5°  | 87.0  | 83.1  | 82.4  | 82.4  | 80.1  | 80.1  | 80.9  | 80.1  | 79.3  | 79.3   | 79.3  |
| 80°    | 64.1  | 61.0  | 61.0  | 59.5  | 58.0  | 58.0  | 58.0  | 58.0  | 57.2  | 56.4   | 57.2  |
| 82.5°  | 41.2  | 40.4  | 39.7  | 39.7  | 41.2  | 38.1  | 39.7  | 38.9  | 38.1  | 38.1   | 37.4  |
| 85°    | 22.9  | 23.6  | 22.9  | 23.6  | 22.1  | 22.9  | 22.9  | 22.9  | 22.1  | 22.9   | 21.4  |
| 87.5°  | 8.4   | 8.4   | 8.4   | 9.2   | 9.2   | 9.2   | 9.2   | 9.2   | 9.9   | 9.2    | 9.2   |
| 90°    | 28.0  | 27.1  | 26.2  | 25.3  | 24.4  | 21.5  | 18.5  | 15.6  | 12.7  | 11.2   | 10.1  |
| 92.5°  | 32.8  | 31.2  | 29.7  | 28.1  | 26.5  | 24.5  | 22.4  | 20.4  | 18.3  | 17.3   | 18.0  |
| 95°    | 37.9  | 36.3  | 34.8  | 33.2  | 31.6  | 29.1  | 26.6  | 24.1  | 21.6  | 20.4   | 25.0  |
| 97.5°  | 39.8  | 38.0  | 36.2  | 34.4  | 32.6  | 44.2  | 55.7  | 67.3  | 78.8  | 84.6   | 87.8  |
| 100°   | 40.9  | 39.1  | 37.2  | 35.4  | 33.6  | 68.9  | 104.2 | 139.5 | 174.8 | 192.5  | 190.2 |
| 102.5° | 45.5  | 53.0  | 60.5  | 67.9  | 75.4  | 114.8 | 154.2 | 193.5 | 232.9 | 252.6  | 251.1 |
| 105°   | 62.8  | 102.9 | 143.0 | 183.0 | 223.1 | 243.5 | 263.9 | 284.2 | 304.6 | 314.8  | 313.6 |
| 107.5° | 256.8 | 291.7 | 326.6 | 361.4 | 396.3 | 392.9 | 389.5 | 386.1 | 382.7 | 381.0  | 380.0 |
| 110°   | 429.5 | 437.0 | 444.5 | 451.9 | 459.4 | 456.9 | 454.4 | 451.9 | 449.4 | 448.2  | 447.3 |

TEST NUMBER: P1031702

CATALOG NUMBER: S123DIW-B560D1030UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 531.8  | 529.7  | 527.7  | 525.6  | 523.6  | 521.1  | 518.6  | 516.1  | 513.6  | 512.4  | 511.6  |
| 115°   | 593.8  | 591.5  | 589.3  | 587.0  | 584.8  | 582.8  | 580.7  | 578.7  | 576.6  | 575.6  | 574.9  |
| 117.5° | 652.1  | 650.3  | 648.5  | 646.7  | 644.9  | 643.8  | 642.6  | 641.5  | 640.4  | 639.8  | 639.0  |
| 120°   | 710.2  | 708.4  | 706.5  | 704.7  | 702.9  | 702.2  | 701.6  | 700.9  | 700.2  | 699.9  | 698.9  |
| 122.5° | 765.5  | 764.4  | 763.3  | 762.1  | 761.0  | 760.1  | 759.2  | 758.3  | 757.4  | 756.9  | 756.1  |
| 125°   | 816.8  | 816.3  | 815.9  | 815.4  | 815.0  | 814.1  | 813.2  | 812.3  | 811.4  | 810.9  | 810.0  |
| 127.5° | 871.7  | 871.0  | 870.3  | 869.7  | 869.0  | 867.9  | 866.7  | 865.6  | 864.5  | 863.9  | 863.0  |
| 130°   | 920.5  | 919.6  | 918.7  | 917.8  | 916.9  | 916.0  | 915.1  | 914.2  | 913.3  | 912.8  | 911.9  |
| 132.5° | 966.3  | 965.4  | 964.5  | 963.6  | 962.7  | 962.0  | 961.3  | 960.6  | 959.9  | 959.6  | 958.7  |
| 135°   | 1012.3 | 1011.6 | 1010.9 | 1010.3 | 1009.6 | 1008.7 | 1007.8 | 1006.9 | 1006.0 | 1005.5 | 1004.8 |
| 137.5° | 1054.8 | 1053.7 | 1052.6 | 1051.4 | 1050.3 | 1049.9 | 1049.4 | 1049.0 | 1048.5 | 1048.3 | 1047.4 |
| 140°   | 1093.6 | 1092.7 | 1091.8 | 1090.9 | 1090.0 | 1089.3 | 1088.7 | 1088.0 | 1087.3 | 1087.0 | 1086.3 |
| 142.5° | 1130.5 | 1129.8 | 1129.1 | 1128.4 | 1127.7 | 1127.0 | 1126.4 | 1125.7 | 1125.0 | 1124.7 | 1124.0 |
| 145°   | 1164.2 | 1163.7 | 1163.3 | 1162.8 | 1162.4 | 1161.9 | 1161.5 | 1161.0 | 1160.5 | 1160.3 | 1159.5 |
| 147.5° | 1195.8 | 1195.3 | 1194.9 | 1194.4 | 1194.0 | 1193.5 | 1193.1 | 1192.6 | 1192.1 | 1191.9 | 1191.3 |
| 150°   | 1224.3 | 1223.8 | 1223.4 | 1222.9 | 1222.5 | 1222.0 | 1221.6 | 1221.1 | 1220.6 | 1220.4 | 1220.1 |
| 152.5° | 1250.5 | 1249.6 | 1248.7 | 1247.8 | 1246.9 | 1246.7 | 1246.5 | 1246.2 | 1246.0 | 1245.9 | 1245.8 |
| 155°   | 1273.8 | 1272.7 | 1271.6 | 1270.4 | 1269.3 | 1269.1 | 1268.9 | 1268.6 | 1268.4 | 1268.3 | 1268.5 |
| 157.5° | 1295.1 | 1293.8 | 1292.4 | 1291.1 | 1289.7 | 1289.9 | 1290.1 | 1290.4 | 1290.6 | 1290.7 | 1290.7 |
| 160°   | 1312.4 | 1311.1 | 1309.7 | 1308.4 | 1307.0 | 1307.2 | 1307.5 | 1307.7 | 1308.0 | 1308.1 | 1308.2 |
| 162.5° | 1328.6 | 1327.0 | 1325.5 | 1323.9 | 1322.3 | 1322.5 | 1322.7 | 1323.0 | 1323.2 | 1323.3 | 1323.6 |
| 165°   | 1342.8 | 1341.0 | 1339.2 | 1337.4 | 1335.6 | 1335.8 | 1336.0 | 1336.3 | 1336.5 | 1336.6 | 1336.9 |
| 167.5° | 1354.0 | 1352.2 | 1350.4 | 1348.6 | 1346.8 | 1346.8 | 1346.8 | 1346.8 | 1346.8 | 1346.8 | 1347.2 |
| 170°   | 1363.2 | 1361.4 | 1359.5 | 1357.7 | 1355.9 | 1355.9 | 1355.9 | 1355.9 | 1355.9 | 1355.9 | 1356.4 |
| 172.5° | 1369.3 | 1367.5 | 1365.6 | 1363.8 | 1362.0 | 1361.8 | 1361.6 | 1361.3 | 1361.1 | 1361.0 | 1361.6 |
| 175°   | 1373.5 | 1371.9 | 1370.3 | 1368.7 | 1367.1 | 1366.9 | 1366.7 | 1366.4 | 1366.2 | 1366.1 | 1366.7 |
| 177.5° | 1376.4 | 1374.6 | 1372.8 | 1371.0 | 1369.2 | 1369.0 | 1368.8 | 1368.5 | 1368.3 | 1368.2 | 1368.8 |
| 180°   | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 | 1371.2 |

TEST NUMBER: P1031702

CATALOG NUMBER: S123DIW-B560D1030UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 0°     | 787.2 | 787.2 | 787.2 | 787.2 |
| 2.5°   | 770.5 | 772.7 | 780.4 | 789.5 |
| 5°     | 755.2 | 761.3 | 772.0 | 786.5 |
| 7.5°   | 738.4 | 747.6 | 762.8 | 781.1 |
| 10°    | 719.3 | 732.3 | 751.4 | 774.3 |
| 12.5°  | 698.7 | 715.5 | 739.9 | 763.6 |
| 15°    | 685.8 | 702.6 | 724.7 | 750.6 |
| 17.5°  | 660.6 | 680.4 | 703.3 | 739.9 |
| 20°    | 634.7 | 656.8 | 686.5 | 723.2 |
| 22.5°  | 614.8 | 638.5 | 666.7 | 705.6 |
| 25°    | 591.2 | 615.6 | 646.1 | 686.5 |
| 27.5°  | 566.0 | 590.4 | 624.8 | 667.5 |
| 30°    | 546.9 | 570.6 | 603.4 | 649.2 |
| 32.5°  | 524.1 | 546.9 | 581.3 | 629.3 |
| 35°    | 498.1 | 524.1 | 556.9 | 605.7 |
| 37.5°  | 478.3 | 501.9 | 536.3 | 582.8 |
| 40°    | 456.9 | 477.5 | 511.1 | 556.9 |
| 42.5°  | 434.0 | 456.9 | 485.9 | 531.7 |
| 45°    | 412.7 | 429.5 | 459.2 | 502.7 |
| 47.5°  | 389.8 | 408.9 | 431.8 | 465.3 |
| 50°    | 365.4 | 381.4 | 406.6 | 429.5 |
| 52.5°  | 341.7 | 354.7 | 376.1 | 393.6 |
| 55°    | 316.6 | 329.5 | 345.6 | 356.2 |
| 57.5°  | 292.9 | 302.1 | 312.8 | 319.6 |
| 60°    | 263.9 | 273.1 | 280.0 | 286.8 |
| 62.5°  | 238.0 | 244.9 | 248.7 | 252.5 |
| 65°    | 211.3 | 215.1 | 217.4 | 220.5 |
| 67.5°  | 182.3 | 186.1 | 186.9 | 191.5 |
| 70°    | 155.6 | 156.4 | 157.9 | 160.2 |
| 72.5°  | 130.4 | 132.0 | 131.2 | 132.7 |
| 75°    | 104.5 | 106.0 | 104.5 | 106.0 |
| 77.5°  | 79.3  | 80.9  | 80.9  | 83.1  |
| 80°    | 57.2  | 58.0  | 58.7  | 58.7  |
| 82.5°  | 37.4  | 39.7  | 38.1  | 38.9  |
| 85°    | 21.4  | 22.1  | 22.1  | 22.9  |
| 87.5°  | 9.9   | 10.7  | 9.9   | 11.4  |
| 90°    | 7.8   | 5.5   | 3.3   | 1.0   |
| 92.5°  | 19.3  | 20.7  | 22.0  | 23.4  |
| 95°    | 34.3  | 43.6  | 52.8  | 62.1  |
| 97.5°  | 94.1  | 100.4 | 106.8 | 113.1 |
| 100°   | 185.7 | 181.2 | 176.7 | 172.2 |
| 102.5° | 248.2 | 245.3 | 242.3 | 239.4 |
| 105°   | 311.1 | 308.6 | 306.1 | 303.6 |
| 107.5° | 377.9 | 375.9 | 373.8 | 371.8 |
| 110°   | 445.5 | 443.7 | 441.9 | 440.1 |

TEST NUMBER: P1031702

CATALOG NUMBER: S123DIW-B560D1030UB30-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 112.5° | 510.0  | 508.5  | 506.9  | 505.3  |
| 115°   | 573.6  | 572.2  | 570.9  | 569.5  |
| 117.5° | 637.4  | 635.8  | 634.2  | 632.6  |
| 120°   | 696.8  | 694.8  | 692.7  | 690.7  |
| 122.5° | 754.5  | 753.0  | 751.4  | 749.8  |
| 125°   | 808.2  | 806.4  | 804.6  | 802.8  |
| 127.5° | 861.2  | 859.3  | 857.5  | 855.7  |
| 130°   | 910.1  | 908.2  | 906.4  | 904.6  |
| 132.5° | 956.9  | 955.1  | 953.3  | 951.5  |
| 135°   | 1003.5 | 1002.1 | 1000.8 | 999.4  |
| 137.5° | 1045.6 | 1043.7 | 1041.9 | 1040.1 |
| 140°   | 1085.0 | 1083.6 | 1082.3 | 1080.9 |
| 142.5° | 1122.7 | 1121.3 | 1120.0 | 1118.6 |
| 145°   | 1157.9 | 1156.4 | 1154.8 | 1153.2 |
| 147.5° | 1190.2 | 1189.1 | 1187.9 | 1186.8 |
| 150°   | 1219.4 | 1218.7 | 1218.1 | 1217.4 |
| 152.5° | 1245.6 | 1245.3 | 1245.1 | 1244.9 |
| 155°   | 1269.0 | 1269.5 | 1269.9 | 1270.4 |
| 157.5° | 1290.7 | 1290.7 | 1290.7 | 1290.7 |
| 160°   | 1308.4 | 1308.7 | 1308.9 | 1309.1 |
| 162.5° | 1324.3 | 1325.0 | 1325.7 | 1326.4 |
| 165°   | 1337.6 | 1338.3 | 1338.9 | 1339.6 |
| 167.5° | 1348.1 | 1349.0 | 1349.9 | 1350.8 |
| 170°   | 1357.3 | 1358.2 | 1359.1 | 1360.0 |
| 172.5° | 1362.7 | 1363.8 | 1365.0 | 1366.1 |
| 175°   | 1367.8 | 1368.9 | 1370.1 | 1371.2 |
| 177.5° | 1369.9 | 1371.0 | 1372.2 | 1373.3 |
| 180°   | 1371.2 | 1371.2 | 1371.2 | 1371.2 |

(END OF REPORT)