

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: P331520-930

Luminaire Tested: **S122DIW-S485D1440U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331520-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122DIW-S485D1440U930-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1440 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5826.3 lumens  
Efficiency: N/A  
Efficacy: 96.1 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

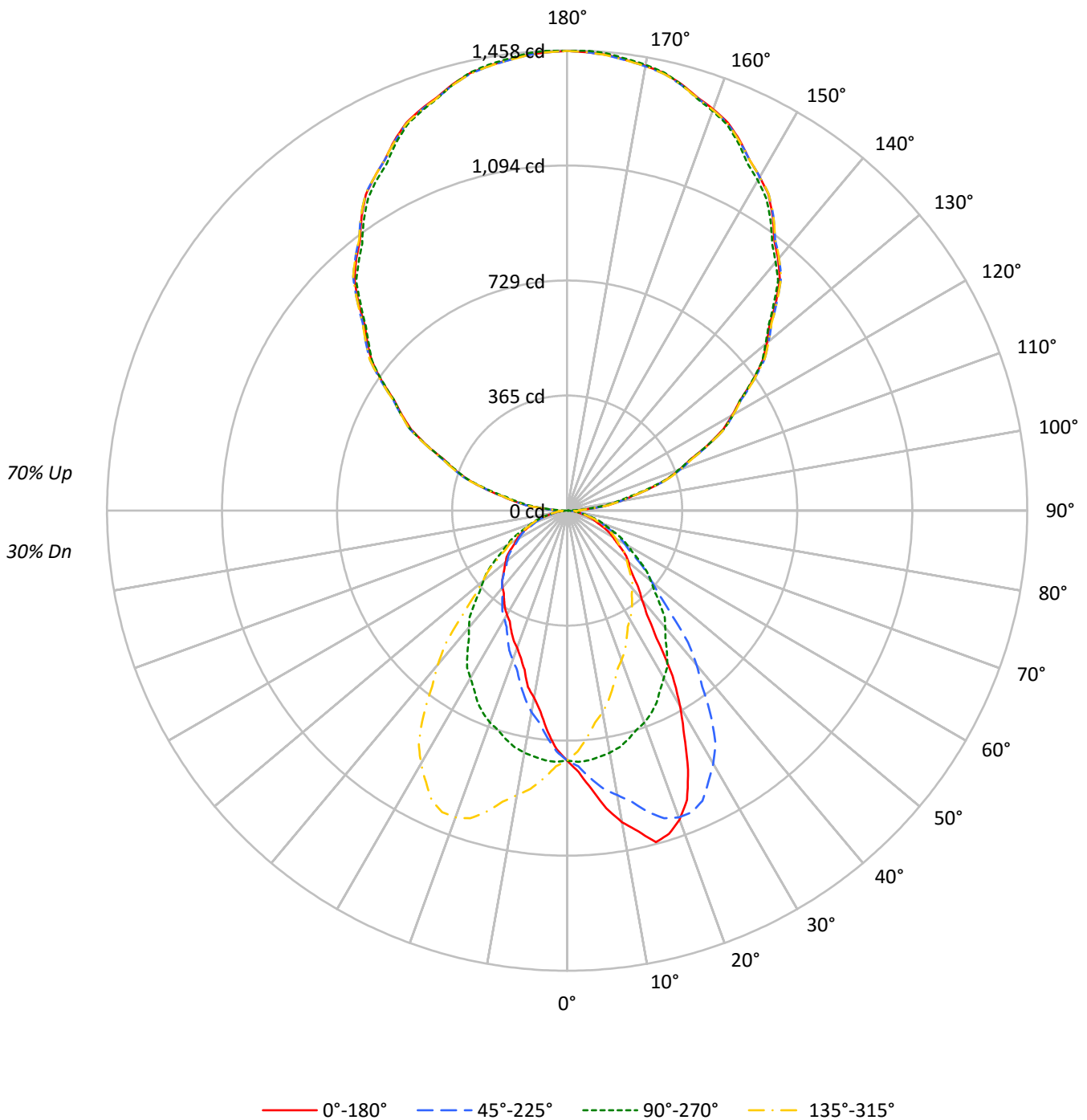
Input Watts (W): 60.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P331520-930

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### Luminous Intensity Polar Plot





TEST NUMBER: P331520-930

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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    | 20 |    |
| RC  | 80  |     |     |     | 70 |    |    |    | 50 |    |    |    | 30 |    |    |    | 10 | 0  |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0  |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 102 | 102 | 102 | 102 | 92 | 92 | 92 | 92 | 72 | 72 | 72 | 54 | 54 | 54 | 38 | 38 | 38 | 30 |
| 1   | 94  | 89  | 86  | 83  | 84 | 80 | 77 | 75 | 64 | 62 | 60 | 48 | 47 | 46 | 34 | 33 | 32 | 26 |
| 2   | 85  | 78  | 73  | 68  | 76 | 71 | 66 | 62 | 56 | 53 | 50 | 43 | 40 | 39 | 30 | 29 | 28 | 22 |
| 3   | 78  | 69  | 62  | 57  | 70 | 62 | 57 | 52 | 50 | 46 | 42 | 38 | 35 | 33 | 27 | 25 | 24 | 19 |
| 4   | 71  | 61  | 54  | 48  | 64 | 55 | 49 | 44 | 44 | 40 | 36 | 34 | 31 | 28 | 24 | 22 | 21 | 17 |
| 5   | 66  | 55  | 47  | 41  | 59 | 49 | 43 | 38 | 40 | 35 | 31 | 30 | 27 | 25 | 22 | 20 | 18 | 15 |
| 6   | 60  | 49  | 41  | 36  | 54 | 44 | 38 | 33 | 36 | 31 | 27 | 28 | 24 | 22 | 20 | 18 | 16 | 13 |
| 7   | 56  | 44  | 37  | 31  | 50 | 40 | 34 | 29 | 32 | 28 | 24 | 25 | 22 | 19 | 18 | 16 | 15 | 12 |
| 8   | 52  | 40  | 33  | 28  | 46 | 36 | 30 | 25 | 29 | 25 | 21 | 23 | 20 | 17 | 17 | 15 | 13 | 11 |
| 9   | 48  | 36  | 29  | 25  | 43 | 33 | 27 | 23 | 27 | 22 | 19 | 21 | 18 | 15 | 16 | 13 | 12 | 10 |
| 10  | 45  | 33  | 27  | 22  | 40 | 30 | 24 | 20 | 25 | 20 | 17 | 20 | 16 | 14 | 14 | 12 | 11 | 9  |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 12791 | 12791 | 12791 | 12791 |
| 5°  | 14340 | 12875 | 11408 | 12875 |
| 10° | 16433 | 12770 | 9875  | 12770 |
| 15° | 18180 | 12535 | 8724  | 12535 |
| 20° | 17904 | 12283 | 7952  | 12283 |
| 25° | 16142 | 11948 | 7464  | 11948 |
| 30° | 13340 | 11415 | 7107  | 11415 |
| 35° | 9723  | 10857 | 6853  | 10857 |
| 40° | 7765  | 10197 | 6713  | 10197 |
| 45° | 6786  | 9435  | 6521  | 9435  |
| 50° | 6380  | 8696  | 6393  | 8696  |
| 55° | 5880  | 7947  | 6221  | 7947  |
| 60° | 5389  | 7149  | 5958  | 7149  |
| 65° | 4909  | 6434  | 5700  | 6434  |
| 70° | 4456  | 5736  | 5320  | 5736  |
| 75° | 3949  | 4959  | 4710  | 4959  |
| 80° | 3394  | 4110  | 3794  | 4110  |
| 85° | 3057  | 3057  | 2242  | 3057  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 75.5   | 1.3       |
| 10°-20°   | 219.3  | 3.8       |
| 20°-30°   | 318.3  | 5.5       |
| 30°-40°   | 335.9  | 5.8       |
| 40°-50°   | 297.4  | 5.1       |
| 50°-60°   | 237.4  | 4.1       |
| 60°-70°   | 161.3  | 2.8       |
| 70°-80°   | 82.7   | 1.4       |
| 80°-90°   | 25.8   | 0.4       |
| 90°-100°  | 92.3   | 1.6       |
| 100°-110° | 286.6  | 4.9       |
| 110°-120° | 490.0  | 8.4       |
| 120°-130° | 644.3  | 11.1      |
| 130°-140° | 723.2  | 12.4      |
| 140°-150° | 709.1  | 12.2      |
| 150°-160° | 594.8  | 10.2      |
| 160°-170° | 394.5  | 6.8       |
| 170°-180° | 137.9  | 2.4       |
| 0°-30°    | 613.1  | 10.5      |
| 0°-40°    | 949.1  | 16.3      |
| 0°-60°    | 1483.9 | 25.5      |
| 0°-90°    | 1753.7 | 30.1      |
| 90°-120°  | 868.9  | 14.9      |
| 90°-150°  | 2945.5 | 50.6      |
| 90°-180°  | 4073.0 | 69.9      |
| 0°-180°   | 5826.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 792  | 792  | 792  | 792  | 792  |      |
| 5°   | 885  | 794  | 704  | 794  | 885  | 88   |
| 15°  | 1088 | 750  | 522  | 750  | 1088 | 300  |
| 25°  | 906  | 671  | 419  | 671  | 906  | 410  |
| 35°  | 493  | 551  | 348  | 551  | 493  | 321  |
| 45°  | 297  | 413  | 286  | 413  | 297  | 234  |
| 55°  | 209  | 282  | 221  | 282  | 209  | 187  |
| 65°  | 128  | 168  | 149  | 168  | 128  | 128  |
| 75°  | 63   | 80   | 76   | 80   | 63   | 68   |
| 85°  | 16   | 16   | 12   | 16   | 16   | 19   |
| 90°  | 42   | 1    | 42   | 1    | 42   | 19   |
| 95°  | 76   | 64   | 76   | 64   | 76   | 85   |
| 105° | 273  | 264  | 273  | 264  | 273  | 287  |
| 115° | 492  | 492  | 492  | 492  | 492  | 486  |
| 125° | 718  | 715  | 718  | 715  | 718  | 640  |
| 135° | 937  | 926  | 937  | 926  | 937  | 721  |
| 145° | 1136 | 1123 | 1136 | 1123 | 1136 | 709  |
| 155° | 1294 | 1284 | 1294 | 1284 | 1294 | 596  |
| 165° | 1399 | 1398 | 1399 | 1398 | 1399 | 394  |
| 175° | 1449 | 1454 | 1449 | 1454 | 1449 | 138  |
| 180° | 1456 | 1456 | 1456 | 1456 | 1456 |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 792.2  | 792.2  | 792.2  | 792.2  | 792.2  | 792.2  | 792.2  | 792.2  | 792.2  | 792.2  | 792.2  |
| 2.5°   | 828.8  | 829.1  | 829.5  | 825.7  | 825.2  | 825.2  | 821.7  | 818.8  | 815.4  | 810.7  | 811.2  |
| 5°     | 884.8  | 888.2  | 889.4  | 885.7  | 880.3  | 879.6  | 874.5  | 865.9  | 858.0  | 851.7  | 847.1  |
| 7.5°   | 951.7  | 953.0  | 950.1  | 945.3  | 941.2  | 933.8  | 924.2  | 914.8  | 901.6  | 889.4  | 880.4  |
| 10°    | 1002.3 | 1004.2 | 999.0  | 992.0  | 986.2  | 977.7  | 963.7  | 949.3  | 932.1  | 915.3  | 901.9  |
| 12.5°  | 1040.8 | 1045.4 | 1038.7 | 1037.8 | 1027.8 | 1016.2 | 999.5  | 992.2  | 967.8  | 944.5  | 930.1  |
| 15°    | 1087.6 | 1087.3 | 1087.9 | 1082.1 | 1074.8 | 1073.0 | 1055.3 | 1036.2 | 1001.8 | 988.1  | 964.3  |
| 17.5°  | 1074.1 | 1078.7 | 1080.8 | 1080.8 | 1080.6 | 1079.5 | 1073.7 | 1061.7 | 1044.4 | 1022.2 | 994.8  |
| 20°    | 1042.0 | 1048.0 | 1049.0 | 1056.0 | 1059.9 | 1065.1 | 1067.2 | 1063.9 | 1053.2 | 1034.6 | 1010.9 |
| 22.5°  | 992.2  | 993.9  | 996.8  | 1007.7 | 1016.3 | 1029.2 | 1036.0 | 1047.3 | 1043.2 | 1034.1 | 1014.3 |
| 25°    | 906.1  | 903.1  | 913.7  | 919.2  | 939.0  | 959.7  | 974.6  | 991.1  | 1005.7 | 1014.6 | 1008.8 |
| 27.5°  | 802.7  | 798.2  | 814.2  | 828.7  | 844.7  | 867.2  | 890.4  | 917.9  | 940.7  | 969.3  | 979.1  |
| 30°    | 715.5  | 718.3  | 733.5  | 749.0  | 773.4  | 805.0  | 831.2  | 861.4  | 894.0  | 925.9  | 948.1  |
| 32.5°  | 621.5  | 632.0  | 641.6  | 665.4  | 686.9  | 722.2  | 760.6  | 798.3  | 838.9  | 875.2  | 909.6  |
| 35°    | 493.3  | 505.4  | 518.9  | 536.2  | 566.3  | 601.4  | 638.8  | 689.7  | 745.1  | 794.7  | 835.5  |
| 37.5°  | 415.2  | 413.3  | 420.9  | 433.5  | 457.9  | 486.2  | 529.2  | 579.5  | 644.7  | 703.0  | 760.6  |
| 40°    | 368.4  | 367.2  | 372.7  | 384.3  | 402.8  | 423.5  | 461.3  | 505.4  | 566.1  | 637.2  | 705.8  |
| 42.5°  | 336.2  | 337.0  | 340.1  | 348.2  | 360.9  | 378.0  | 406.3  | 443.8  | 499.3  | 566.4  | 640.0  |
| 45°    | 297.2  | 299.3  | 302.6  | 306.6  | 313.9  | 327.9  | 343.7  | 370.6  | 414.4  | 470.4  | 542.9  |
| 47.5°  | 269.0  | 269.1  | 272.5  | 276.0  | 280.3  | 288.2  | 301.2  | 318.0  | 348.9  | 394.5  | 456.8  |
| 50°    | 254.0  | 251.8  | 254.2  | 257.0  | 261.5  | 267.0  | 275.6  | 291.4  | 312.1  | 348.9  | 401.0  |
| 52.5°  | 235.5  | 235.5  | 237.7  | 238.7  | 242.8  | 248.3  | 256.1  | 267.0  | 285.8  | 314.6  | 357.4  |
| 55°    | 208.9  | 210.4  | 211.7  | 213.4  | 217.1  | 221.0  | 227.1  | 234.5  | 249.1  | 270.7  | 302.3  |
| 57.5°  | 183.9  | 184.4  | 185.6  | 189.1  | 191.4  | 195.0  | 200.8  | 207.5  | 217.0  | 233.0  | 256.8  |
| 60°    | 166.9  | 166.9  | 169.3  | 170.8  | 173.8  | 177.5  | 182.1  | 188.5  | 197.0  | 210.1  | 229.3  |
| 62.5°  | 151.2  | 151.0  | 152.0  | 154.5  | 156.8  | 160.2  | 164.8  | 170.2  | 178.2  | 189.9  | 205.6  |
| 65°    | 128.5  | 127.9  | 129.7  | 130.3  | 132.7  | 136.1  | 139.7  | 145.5  | 152.0  | 160.5  | 174.5  |
| 67.5°  | 106.6  | 107.3  | 108.3  | 109.4  | 110.8  | 114.3  | 116.8  | 120.8  | 126.2  | 133.3  | 142.8  |
| 70°    | 94.4   | 94.4   | 94.4   | 95.3   | 97.1   | 99.0   | 101.4  | 104.8  | 109.9  | 116.0  | 124.5  |
| 72.5°  | 80.7   | 81.7   | 82.7   | 82.2   | 84.5   | 85.5   | 88.5   | 90.3   | 95.3   | 99.2   | 106.7  |
| 75°    | 63.3   | 63.3   | 63.3   | 64.8   | 65.8   | 66.7   | 68.5   | 70.4   | 72.8   | 77.6   | 81.6   |
| 77.5°  | 47.3   | 47.1   | 47.5   | 47.8   | 48.8   | 49.9   | 50.4   | 52.1   | 54.3   | 56.6   | 59.9   |
| 80°    | 36.5   | 37.2   | 37.4   | 38.1   | 38.1   | 38.6   | 39.0   | 41.1   | 42.6   | 44.2   | 46.3   |
| 82.5°  | 28.3   | 28.4   | 28.5   | 28.5   | 28.8   | 29.2   | 29.9   | 30.7   | 31.1   | 32.4   | 34.1   |
| 85°    | 16.5   | 16.1   | 16.1   | 16.7   | 16.5   | 16.5   | 17.0   | 17.7   | 17.7   | 17.9   | 18.9   |
| 87.5°  | 14.7   | 14.7   | 14.8   | 14.5   | 14.5   | 14.8   | 14.8   | 14.8   | 15.1   | 15.4   | 14.4   |
| 90°    | 41.8   | 41.5   | 41.3   | 41.0   | 40.7   | 40.8   | 41.4   | 41.9   | 42.5   | 43.0   | 37.0   |
| 92.5°  | 39.8   | 39.8   | 39.7   | 39.6   | 39.6   | 39.5   | 39.4   | 39.3   | 39.2   | 39.1   | 37.7   |
| 95°    | 76.2   | 76.7   | 77.3   | 77.9   | 78.4   | 78.7   | 78.7   | 78.7   | 78.7   | 78.7   | 78.1   |
| 97.5°  | 132.0  | 132.1  | 132.1  | 132.2  | 132.2  | 132.2  | 132.2  | 132.2  | 132.2  | 132.2  | 131.2  |
| 100°   | 168.4  | 168.7  | 168.9  | 169.2  | 169.5  | 169.6  | 169.6  | 169.6  | 169.6  | 169.6  | 168.8  |
| 102.5° | 209.7  | 209.9  | 210.3  | 210.5  | 210.8  | 210.8  | 210.6  | 210.3  | 210.2  | 209.9  | 208.9  |
| 105°   | 272.9  | 272.9  | 272.9  | 272.9  | 272.9  | 272.6  | 272.1  | 271.5  | 270.9  | 270.4  | 269.9  |
| 107.5° | 332.3  | 333.6  | 334.8  | 336.1  | 337.4  | 337.9  | 337.7  | 337.5  | 337.2  | 337.0  | 337.0  |
| 110°   | 378.5  | 379.4  | 380.2  | 381.0  | 381.8  | 382.3  | 382.3  | 382.3  | 382.3  | 382.3  | 382.3  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 422.8  | 423.4  | 424.0  | 424.6  | 425.2  | 425.8  | 426.5  | 427.1  | 427.8  | 428.4  | 428.7  |
| 115°   | 491.6  | 492.4  | 493.3  | 494.1  | 494.9  | 495.5  | 495.7  | 496.0  | 496.3  | 496.6  | 497.1  |
| 117.5° | 557.3  | 558.1  | 558.9  | 559.7  | 560.5  | 561.3  | 562.0  | 562.6  | 563.3  | 563.9  | 565.4  |
| 120°   | 603.5  | 604.3  | 605.1  | 605.9  | 606.7  | 607.2  | 607.2  | 607.2  | 607.2  | 607.2  | 609.4  |
| 122.5° | 648.7  | 649.3  | 650.0  | 650.5  | 651.1  | 651.8  | 652.4  | 653.1  | 653.7  | 654.4  | 655.9  |
| 125°   | 717.8  | 718.1  | 718.4  | 718.6  | 718.9  | 719.4  | 720.2  | 721.1  | 721.9  | 722.7  | 723.6  |
| 127.5° | 780.7  | 781.6  | 782.4  | 783.3  | 784.2  | 785.1  | 786.1  | 787.1  | 788.1  | 789.1  | 790.1  |
| 130°   | 826.0  | 827.0  | 828.2  | 829.2  | 830.3  | 831.1  | 831.7  | 832.3  | 832.8  | 833.3  | 833.9  |
| 132.5° | 869.2  | 870.1  | 871.0  | 871.9  | 872.7  | 873.8  | 875.0  | 876.2  | 877.3  | 878.6  | 878.5  |
| 135°   | 936.6  | 937.4  | 938.2  | 939.1  | 939.9  | 940.4  | 940.7  | 940.9  | 941.3  | 941.5  | 940.9  |
| 137.5° | 997.5  | 998.7  | 999.7  | 1000.9 | 1001.9 | 1002.6 | 1002.8 | 1003.0 | 1003.2 | 1003.5 | 1002.7 |
| 140°   | 1039.8 | 1040.9 | 1042.0 | 1043.1 | 1044.2 | 1044.7 | 1044.7 | 1044.7 | 1044.7 | 1044.7 | 1043.4 |
| 142.5° | 1078.2 | 1079.3 | 1080.4 | 1081.5 | 1082.6 | 1083.0 | 1082.8 | 1082.6 | 1082.3 | 1082.1 | 1081.2 |
| 145°   | 1135.7 | 1136.8 | 1137.9 | 1139.0 | 1140.0 | 1140.4 | 1140.2 | 1140.0 | 1139.6 | 1139.4 | 1137.8 |
| 147.5° | 1187.1 | 1188.1 | 1189.1 | 1190.2 | 1191.2 | 1191.5 | 1190.8 | 1190.3 | 1189.7 | 1189.0 | 1188.0 |
| 150°   | 1220.5 | 1221.3 | 1222.1 | 1222.9 | 1223.8 | 1223.8 | 1222.9 | 1222.1 | 1221.3 | 1220.5 | 1219.4 |
| 152.5° | 1252.0 | 1253.0 | 1254.0 | 1255.1 | 1256.1 | 1256.1 | 1255.1 | 1254.0 | 1253.0 | 1252.0 | 1250.7 |
| 155°   | 1294.3 | 1295.1 | 1295.9 | 1296.7 | 1297.5 | 1297.2 | 1295.9 | 1294.5 | 1293.1 | 1291.8 | 1290.9 |
| 157.5° | 1330.6 | 1332.0 | 1333.3 | 1334.6 | 1335.9 | 1335.6 | 1333.7 | 1331.9 | 1330.0 | 1328.2 | 1327.7 |
| 160°   | 1353.2 | 1354.4 | 1355.4 | 1356.5 | 1357.6 | 1357.3 | 1355.7 | 1354.0 | 1352.4 | 1350.8 | 1350.5 |
| 162.5° | 1372.9 | 1374.3 | 1375.6 | 1376.9 | 1378.2 | 1377.9 | 1376.1 | 1374.2 | 1372.3 | 1370.4 | 1370.2 |
| 165°   | 1398.7 | 1400.1 | 1401.5 | 1402.8 | 1404.2 | 1403.9 | 1402.0 | 1400.1 | 1398.2 | 1396.3 | 1396.3 |
| 167.5° | 1419.8 | 1421.3 | 1422.7 | 1424.2 | 1425.6 | 1425.3 | 1423.4 | 1421.5 | 1419.6 | 1417.6 | 1417.7 |
| 170°   | 1430.7 | 1432.3 | 1433.9 | 1435.6 | 1437.2 | 1437.1 | 1435.2 | 1433.3 | 1431.3 | 1429.5 | 1429.7 |
| 172.5° | 1439.6 | 1441.2 | 1442.8 | 1444.5 | 1446.1 | 1445.9 | 1444.1 | 1442.1 | 1440.2 | 1438.3 | 1438.6 |
| 175°   | 1449.1 | 1450.7 | 1452.4 | 1454.0 | 1455.7 | 1455.6 | 1453.6 | 1451.7 | 1449.8 | 1447.9 | 1448.5 |
| 177.5° | 1453.5 | 1454.8 | 1456.2 | 1457.5 | 1458.8 | 1458.8 | 1457.5 | 1456.2 | 1454.8 | 1453.5 | 1454.0 |
| 180°   | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 |



TEST NUMBER: P331520-930

CATALOG NUMBER: S122DIW-S485D1440U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 |
| 2.5°   | 812.9 | 811.0 | 809.8 | 805.4 | 801.5 | 797.6 | 796.4 | 796.9 | 791.5 | 786.4 | 784.2 |
| 5°     | 844.7 | 838.5 | 832.7 | 824.5 | 814.8 | 804.1 | 798.7 | 794.4 | 783.7 | 772.2 | 765.5 |
| 7.5°   | 873.0 | 864.3 | 853.1 | 837.7 | 823.5 | 806.7 | 796.1 | 786.7 | 771.0 | 754.7 | 744.8 |
| 10°    | 890.3 | 878.4 | 864.1 | 845.2 | 827.9 | 807.5 | 793.2 | 778.9 | 760.6 | 741.1 | 729.0 |
| 12.5°  | 905.1 | 889.2 | 875.1 | 850.8 | 830.3 | 804.8 | 787.8 | 767.7 | 748.4 | 725.3 | 713.3 |
| 15°    | 940.5 | 911.0 | 884.2 | 856.8 | 831.5 | 795.9 | 777.1 | 749.9 | 724.6 | 696.0 | 682.3 |
| 17.5°  | 967.8 | 934.7 | 892.5 | 857.7 | 828.2 | 788.7 | 761.0 | 728.6 | 698.6 | 665.9 | 647.3 |
| 20°    | 983.5 | 945.4 | 900.0 | 858.7 | 823.3 | 778.3 | 748.1 | 714.9 | 679.9 | 643.0 | 623.0 |
| 22.5°  | 992.7 | 952.8 | 907.8 | 855.0 | 813.6 | 769.7 | 731.8 | 695.5 | 659.9 | 620.2 | 599.1 |
| 25°    | 995.6 | 959.1 | 911.6 | 851.9 | 801.4 | 751.8 | 706.0 | 670.7 | 627.9 | 590.7 | 559.9 |
| 27.5°  | 981.1 | 955.0 | 909.3 | 846.2 | 787.3 | 729.3 | 678.4 | 638.4 | 593.0 | 552.8 | 521.8 |
| 30°    | 963.4 | 948.1 | 903.7 | 840.3 | 776.1 | 713.7 | 657.7 | 612.3 | 567.3 | 526.4 | 494.8 |
| 32.5°  | 935.9 | 932.5 | 893.5 | 832.1 | 764.2 | 694.0 | 636.0 | 590.1 | 540.2 | 500.1 | 469.9 |
| 35°    | 881.7 | 896.4 | 871.7 | 813.6 | 741.7 | 665.9 | 603.2 | 550.8 | 499.0 | 460.6 | 432.4 |
| 37.5°  | 809.3 | 845.6 | 839.2 | 786.4 | 711.3 | 635.4 | 566.1 | 511.4 | 462.0 | 423.3 | 395.5 |
| 40°    | 759.4 | 805.7 | 812.4 | 765.7 | 690.0 | 611.7 | 538.3 | 483.8 | 435.7 | 400.4 | 372.3 |
| 42.5°  | 705.8 | 759.9 | 778.3 | 740.9 | 666.6 | 586.9 | 513.5 | 457.1 | 409.4 | 375.0 | 350.3 |
| 45°    | 616.0 | 687.5 | 720.7 | 699.4 | 627.5 | 545.9 | 470.4 | 413.2 | 370.0 | 337.7 | 318.5 |
| 47.5°  | 532.0 | 610.2 | 654.8 | 647.3 | 584.1 | 503.3 | 428.7 | 373.7 | 331.7 | 305.9 | 288.7 |
| 50°    | 472.5 | 552.9 | 606.8 | 609.3 | 552.9 | 472.9 | 397.9 | 346.2 | 307.5 | 283.5 | 269.5 |
| 52.5°  | 420.9 | 497.7 | 556.4 | 569.3 | 518.1 | 441.2 | 370.4 | 318.9 | 284.9 | 262.8 | 250.2 |
| 55°    | 353.5 | 418.3 | 483.6 | 507.3 | 466.2 | 393.1 | 327.6 | 282.3 | 250.3 | 235.1 | 224.1 |
| 57.5°  | 293.9 | 348.0 | 408.1 | 434.4 | 409.0 | 346.5 | 285.1 | 245.7 | 219.8 | 206.4 | 198.0 |
| 60°    | 262.4 | 305.1 | 358.7 | 390.0 | 368.1 | 312.4 | 258.8 | 221.4 | 200.1 | 188.2 | 180.3 |
| 62.5°  | 233.3 | 271.0 | 316.3 | 345.0 | 333.0 | 280.5 | 232.5 | 199.4 | 181.1 | 169.9 | 164.2 |
| 65°    | 192.4 | 222.3 | 257.3 | 283.8 | 275.9 | 235.9 | 196.7 | 168.4 | 153.8 | 145.0 | 140.4 |
| 67.5°  | 158.4 | 180.0 | 204.3 | 227.5 | 221.1 | 192.8 | 161.3 | 139.3 | 128.3 | 120.7 | 118.1 |
| 70°    | 137.1 | 153.4 | 175.0 | 193.6 | 188.5 | 165.3 | 140.4 | 121.5 | 112.0 | 105.7 | 102.9 |
| 72.5°  | 116.6 | 130.0 | 146.6 | 161.8 | 158.2 | 139.0 | 118.2 | 104.0 | 96.7  | 90.8  | 88.5  |
| 75°    | 88.0  | 98.3  | 108.4 | 118.5 | 117.6 | 102.6 | 90.4  | 79.5  | 73.7  | 69.1  | 68.2  |
| 77.5°  | 65.0  | 70.8  | 77.6  | 83.6  | 81.9  | 73.4  | 63.8  | 57.6  | 53.3  | 50.2  | 49.7  |
| 80°    | 49.7  | 53.0  | 57.9  | 62.1  | 60.0  | 56.3  | 48.8  | 44.2  | 41.1  | 38.1  | 36.9  |
| 82.5°  | 36.0  | 39.4  | 42.2  | 44.6  | 43.0  | 39.5  | 34.8  | 31.7  | 29.9  | 27.8  | 27.3  |
| 85°    | 18.9  | 20.7  | 21.9  | 22.5  | 21.9  | 19.8  | 17.7  | 16.5  | 14.9  | 14.0  | 13.7  |
| 87.5°  | 13.5  | 12.3  | 11.1  | 10.7  | 9.3   | 8.6   | 7.0   | 5.6   | 6.0   | 6.4   | 6.6   |
| 90°    | 31.0  | 25.0  | 19.0  | 14.3  | 11.1  | 7.7   | 4.5   | 1.2   | 4.5   | 7.7   | 11.1  |
| 92.5°  | 36.3  | 34.8  | 33.4  | 31.5  | 29.1  | 26.7  | 24.3  | 21.9  | 24.3  | 26.7  | 29.1  |
| 95°    | 77.5  | 77.0  | 76.5  | 74.8  | 72.1  | 69.4  | 66.6  | 63.9  | 66.6  | 69.4  | 72.1  |
| 97.5°  | 130.2 | 129.1 | 128.1 | 126.4 | 124.0 | 121.6 | 119.2 | 116.8 | 119.2 | 121.6 | 124.0 |
| 100°   | 168.0 | 167.1 | 166.3 | 164.9 | 162.7 | 160.5 | 158.2 | 156.1 | 158.2 | 160.5 | 162.7 |
| 102.5° | 207.8 | 206.8 | 205.8 | 204.4 | 202.6 | 200.9 | 199.2 | 197.4 | 199.2 | 200.9 | 202.6 |
| 105°   | 269.3 | 268.8 | 268.2 | 267.5 | 266.7 | 265.9 | 265.1 | 264.2 | 265.1 | 265.9 | 266.7 |
| 107.5° | 337.0 | 337.0 | 337.0 | 336.4 | 335.3 | 334.0 | 332.8 | 331.6 | 332.8 | 334.0 | 335.3 |
| 110°   | 382.3 | 382.3 | 382.3 | 381.4 | 379.8 | 378.1 | 376.5 | 374.9 | 376.5 | 378.1 | 379.8 |





TEST NUMBER: P331520-930

CATALOG NUMBER: S122DIW-S485D1440U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 428.9  | 429.1  | 429.3  | 428.6  | 427.0  | 425.3  | 423.7  | 422.1  | 423.7  | 425.3  | 427.0  |
| 115°   | 497.7  | 498.2  | 498.7  | 498.2  | 496.6  | 494.9  | 493.3  | 491.6  | 493.3  | 494.9  | 496.6  |
| 117.5° | 567.0  | 568.5  | 570.1  | 569.7  | 567.5  | 565.3  | 563.1  | 561.0  | 563.1  | 565.3  | 567.5  |
| 120°   | 611.6  | 613.8  | 616.0  | 616.0  | 613.8  | 611.6  | 609.4  | 607.2  | 609.4  | 611.6  | 613.8  |
| 122.5° | 657.5  | 659.0  | 660.5  | 660.0  | 657.3  | 654.7  | 652.1  | 649.5  | 652.1  | 654.7  | 657.3  |
| 125°   | 724.4  | 725.2  | 726.0  | 725.2  | 722.7  | 720.2  | 717.8  | 715.3  | 717.8  | 720.2  | 722.7  |
| 127.5° | 791.1  | 792.1  | 793.0  | 792.0  | 788.9  | 785.7  | 782.6  | 779.5  | 782.6  | 785.7  | 788.9  |
| 130°   | 834.5  | 834.9  | 835.5  | 834.1  | 830.5  | 827.0  | 823.4  | 819.8  | 823.4  | 827.0  | 830.5  |
| 132.5° | 878.3  | 878.2  | 878.2  | 876.6  | 873.8  | 870.8  | 868.0  | 865.0  | 868.0  | 870.8  | 873.8  |
| 135°   | 940.4  | 939.9  | 939.3  | 937.5  | 934.5  | 931.6  | 928.5  | 925.5  | 928.5  | 931.6  | 934.5  |
| 137.5° | 1002.0 | 1001.4 | 1000.6 | 999.0  | 996.5  | 994.1  | 991.6  | 989.2  | 991.6  | 994.1  | 996.5  |
| 140°   | 1042.0 | 1040.6 | 1039.3 | 1037.4 | 1034.9 | 1032.5 | 1030.0 | 1027.5 | 1030.0 | 1032.5 | 1034.9 |
| 142.5° | 1080.3 | 1079.3 | 1078.4 | 1076.7 | 1074.2 | 1071.8 | 1069.3 | 1066.9 | 1069.3 | 1071.8 | 1074.2 |
| 145°   | 1136.1 | 1134.5 | 1132.9 | 1131.1 | 1129.1 | 1127.2 | 1125.4 | 1123.4 | 1125.4 | 1127.2 | 1129.1 |
| 147.5° | 1186.8 | 1185.8 | 1184.7 | 1183.0 | 1180.7 | 1178.4 | 1176.1 | 1173.8 | 1176.1 | 1178.4 | 1180.7 |
| 150°   | 1218.3 | 1217.2 | 1216.1 | 1214.8 | 1213.2 | 1211.5 | 1209.8 | 1208.2 | 1209.8 | 1211.5 | 1213.2 |
| 152.5° | 1249.4 | 1248.1 | 1246.8 | 1245.3 | 1243.6 | 1241.9 | 1240.3 | 1238.7 | 1240.3 | 1241.9 | 1243.6 |
| 155°   | 1290.1 | 1289.3 | 1288.5 | 1287.7 | 1286.9 | 1286.1 | 1285.2 | 1284.4 | 1285.2 | 1286.1 | 1286.9 |
| 157.5° | 1327.2 | 1326.7 | 1326.2 | 1325.7 | 1325.2 | 1324.6 | 1324.0 | 1323.5 | 1324.0 | 1324.6 | 1325.2 |
| 160°   | 1350.2 | 1350.0 | 1349.7 | 1349.3 | 1348.7 | 1348.2 | 1347.7 | 1347.1 | 1347.7 | 1348.2 | 1348.7 |
| 162.5° | 1369.9 | 1369.6 | 1369.4 | 1369.2 | 1369.1 | 1369.0 | 1368.9 | 1368.7 | 1368.9 | 1369.0 | 1369.1 |
| 165°   | 1396.3 | 1396.3 | 1396.3 | 1396.4 | 1396.7 | 1396.9 | 1397.3 | 1397.5 | 1397.3 | 1396.9 | 1396.7 |
| 167.5° | 1417.8 | 1417.8 | 1417.9 | 1418.3 | 1419.1 | 1419.9 | 1420.7 | 1421.6 | 1420.7 | 1419.9 | 1419.1 |
| 170°   | 1430.0 | 1430.3 | 1430.5 | 1431.1 | 1431.9 | 1432.7 | 1433.5 | 1434.4 | 1433.5 | 1432.7 | 1431.9 |
| 172.5° | 1438.8 | 1439.2 | 1439.4 | 1440.0 | 1440.8 | 1441.6 | 1442.4 | 1443.2 | 1442.4 | 1441.6 | 1440.8 |
| 175°   | 1448.9 | 1449.5 | 1450.1 | 1450.7 | 1451.6 | 1452.4 | 1453.2 | 1454.0 | 1453.2 | 1452.4 | 1451.6 |
| 177.5° | 1454.4 | 1454.8 | 1455.3 | 1455.9 | 1456.5 | 1457.2 | 1457.8 | 1458.5 | 1457.8 | 1457.2 | 1456.5 |
| 180°   | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 |



TEST NUMBER: P331520-930

CATALOG NUMBER: S122DIW-S485D1440U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 |
| 2.5°   | 781.8 | 780.3 | 775.2 | 772.5 | 768.2 | 764.0 | 761.3 | 762.5 | 763.5 | 763.0 | 762.3 |
| 5°     | 759.4 | 753.6 | 744.8 | 737.1 | 731.6 | 721.6 | 717.4 | 715.3 | 713.4 | 711.3 | 709.1 |
| 7.5°   | 732.7 | 723.6 | 710.9 | 700.1 | 689.8 | 677.4 | 670.3 | 665.9 | 661.5 | 656.7 | 652.5 |
| 10°    | 713.7 | 700.9 | 687.5 | 672.3 | 660.1 | 648.8 | 638.8 | 632.1 | 626.0 | 620.2 | 616.0 |
| 12.5°  | 693.7 | 679.0 | 662.4 | 641.6 | 628.2 | 612.0 | 610.6 | 598.8 | 589.2 | 585.6 | 580.7 |
| 15°    | 661.9 | 641.2 | 620.2 | 595.6 | 584.9 | 570.3 | 561.2 | 552.0 | 543.8 | 538.0 | 536.5 |
| 17.5°  | 625.8 | 599.0 | 578.1 | 560.4 | 543.0 | 528.0 | 519.6 | 512.3 | 505.5 | 497.7 | 496.8 |
| 20°    | 598.3 | 575.2 | 552.4 | 536.8 | 518.9 | 503.6 | 493.3 | 485.9 | 480.1 | 475.6 | 471.7 |
| 22.5°  | 572.3 | 546.9 | 526.0 | 509.0 | 491.3 | 479.0 | 470.8 | 463.8 | 459.0 | 454.0 | 450.2 |
| 25°    | 530.4 | 510.6 | 487.8 | 468.6 | 454.0 | 446.1 | 439.4 | 433.3 | 430.2 | 426.9 | 422.7 |
| 27.5°  | 493.8 | 471.8 | 450.5 | 435.6 | 422.7 | 415.7 | 411.0 | 406.8 | 404.0 | 402.0 | 399.6 |
| 30°    | 468.0 | 445.7 | 429.0 | 414.4 | 403.7 | 396.7 | 393.7 | 391.3 | 387.9 | 386.7 | 385.5 |
| 32.5°  | 443.1 | 423.1 | 408.8 | 396.2 | 386.0 | 381.4 | 378.6 | 376.4 | 373.8 | 372.6 | 370.1 |
| 35°    | 408.0 | 391.3 | 377.2 | 370.2 | 362.0 | 358.1 | 356.0 | 352.9 | 350.5 | 349.3 | 348.9 |
| 37.5°  | 375.0 | 360.4 | 351.1 | 342.2 | 338.7 | 336.2 | 333.4 | 331.3 | 330.5 | 330.4 | 330.0 |
| 40°    | 353.5 | 341.6 | 333.4 | 326.1 | 324.6 | 320.9 | 318.5 | 316.7 | 316.7 | 317.0 | 316.7 |
| 42.5°  | 334.0 | 323.3 | 316.1 | 309.8 | 308.0 | 305.8 | 303.4 | 303.3 | 303.8 | 304.8 | 303.8 |
| 45°    | 304.5 | 296.9 | 291.7 | 288.6 | 285.3 | 283.2 | 282.8 | 283.8 | 284.1 | 284.4 | 285.3 |
| 47.5°  | 277.3 | 272.2 | 267.6 | 264.2 | 262.8 | 262.4 | 262.0 | 263.6 | 265.1 | 265.6 | 267.0 |
| 50°    | 261.2 | 255.4 | 251.5 | 249.4 | 248.2 | 247.5 | 248.2 | 250.0 | 251.2 | 252.7 | 253.6 |
| 52.5°  | 243.2 | 239.1 | 236.4 | 234.7 | 234.2 | 234.6 | 234.7 | 236.8 | 238.8 | 239.3 | 239.8 |
| 55°    | 218.3 | 215.2 | 214.7 | 211.9 | 213.1 | 212.8 | 214.3 | 215.6 | 217.4 | 219.2 | 219.6 |
| 57.5°  | 193.5 | 191.0 | 189.4 | 189.6 | 190.0 | 191.4 | 192.6 | 194.8 | 196.7 | 198.6 | 198.9 |
| 60°    | 176.9 | 175.7 | 174.8 | 174.8 | 175.4 | 177.2 | 178.7 | 180.8 | 182.1 | 183.3 | 184.2 |
| 62.5°  | 161.8 | 160.6 | 159.6 | 160.1 | 161.8 | 162.8 | 164.6 | 165.8 | 167.0 | 168.2 | 168.6 |
| 65°    | 137.9 | 137.3 | 138.3 | 138.8 | 139.2 | 140.6 | 142.8 | 143.7 | 145.0 | 145.5 | 147.7 |
| 67.5°  | 115.9 | 116.1 | 115.9 | 116.8 | 118.5 | 119.0 | 120.9 | 123.1 | 123.4 | 124.5 | 125.9 |
| 70°    | 101.1 | 101.7 | 102.3 | 102.9 | 104.4 | 105.0 | 106.6 | 107.5 | 108.7 | 109.6 | 110.6 |
| 72.5°  | 87.5  | 87.6  | 88.2  | 88.1  | 89.4  | 90.7  | 92.0  | 92.9  | 94.1  | 95.2  | 96.1  |
| 75°    | 67.3  | 67.3  | 67.9  | 68.2  | 69.7  | 71.3  | 70.9  | 71.6  | 72.8  | 74.0  | 74.6  |
| 77.5°  | 49.2  | 48.5  | 49.2  | 49.4  | 49.9  | 51.2  | 51.4  | 52.3  | 53.7  | 53.3  | 54.0  |
| 80°    | 37.4  | 36.5  | 37.4  | 37.7  | 37.7  | 39.3  | 39.3  | 39.9  | 40.8  | 39.9  | 40.8  |
| 82.5°  | 26.7  | 26.3  | 27.0  | 27.1  | 27.6  | 27.6  | 28.0  | 28.2  | 29.1  | 28.7  | 29.1  |
| 85°    | 13.4  | 13.1  | 13.4  | 13.1  | 13.4  | 13.7  | 13.7  | 13.4  | 13.4  | 14.0  | 13.1  |
| 87.5°  | 7.0   | 7.7   | 8.6   | 9.9   | 10.8  | 11.7  | 11.4  | 11.3  | 11.2  | 10.6  | 10.6  |
| 90°    | 14.3  | 19.0  | 25.0  | 31.0  | 37.0  | 43.0  | 42.5  | 41.9  | 41.4  | 40.8  | 40.7  |
| 92.5°  | 31.5  | 33.4  | 34.8  | 36.3  | 37.7  | 39.1  | 39.2  | 39.3  | 39.4  | 39.5  | 39.6  |
| 95°    | 74.8  | 76.5  | 77.0  | 77.5  | 78.1  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  | 78.4  |
| 97.5°  | 126.4 | 128.1 | 129.1 | 130.2 | 131.2 | 132.2 | 132.2 | 132.2 | 132.2 | 132.2 | 132.2 |
| 100°   | 164.9 | 166.3 | 167.1 | 168.0 | 168.8 | 169.6 | 169.6 | 169.6 | 169.6 | 169.6 | 169.5 |
| 102.5° | 204.4 | 205.8 | 206.8 | 207.8 | 208.9 | 209.9 | 210.2 | 210.3 | 210.6 | 210.8 | 210.8 |
| 105°   | 267.5 | 268.2 | 268.8 | 269.3 | 269.9 | 270.4 | 270.9 | 271.5 | 272.1 | 272.6 | 272.9 |
| 107.5° | 336.4 | 337.0 | 337.0 | 337.0 | 337.0 | 337.0 | 337.2 | 337.5 | 337.7 | 337.9 | 337.4 |
| 110°   | 381.4 | 382.3 | 382.3 | 382.3 | 382.3 | 382.3 | 382.3 | 382.3 | 382.3 | 382.3 | 381.8 |



TEST NUMBER: P331520-930

CATALOG NUMBER: S122DIW-S485D1440U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 428.6  | 429.3  | 429.1  | 428.9  | 428.7  | 428.4  | 427.8  | 427.1  | 426.5  | 425.8  | 425.2  |
| 115°   | 498.2  | 498.7  | 498.2  | 497.7  | 497.1  | 496.6  | 496.3  | 496.0  | 495.7  | 495.5  | 494.9  |
| 117.5° | 569.7  | 570.1  | 568.5  | 567.0  | 565.4  | 563.9  | 563.3  | 562.6  | 562.0  | 561.3  | 560.5  |
| 120°   | 616.0  | 616.0  | 613.8  | 611.6  | 609.4  | 607.2  | 607.2  | 607.2  | 607.2  | 607.2  | 606.7  |
| 122.5° | 660.0  | 660.5  | 659.0  | 657.5  | 655.9  | 654.4  | 653.7  | 653.1  | 652.4  | 651.8  | 651.1  |
| 125°   | 725.2  | 726.0  | 725.2  | 724.4  | 723.6  | 722.7  | 721.9  | 721.1  | 720.2  | 719.4  | 718.9  |
| 127.5° | 792.0  | 793.0  | 792.1  | 791.1  | 790.1  | 789.1  | 788.1  | 787.1  | 786.1  | 785.1  | 784.2  |
| 130°   | 834.1  | 835.5  | 834.9  | 834.5  | 833.9  | 833.3  | 832.8  | 832.3  | 831.7  | 831.1  | 830.3  |
| 132.5° | 876.6  | 878.2  | 878.2  | 878.3  | 878.5  | 878.6  | 877.3  | 876.2  | 875.0  | 873.8  | 872.7  |
| 135°   | 937.5  | 939.3  | 939.9  | 940.4  | 940.9  | 941.5  | 941.3  | 940.9  | 940.7  | 940.4  | 939.9  |
| 137.5° | 999.0  | 1000.6 | 1001.4 | 1002.0 | 1002.7 | 1003.5 | 1003.2 | 1003.0 | 1002.8 | 1002.6 | 1001.9 |
| 140°   | 1037.4 | 1039.3 | 1040.6 | 1042.0 | 1043.4 | 1044.7 | 1044.7 | 1044.7 | 1044.7 | 1044.7 | 1044.2 |
| 142.5° | 1076.7 | 1078.4 | 1079.3 | 1080.3 | 1081.2 | 1082.1 | 1082.3 | 1082.6 | 1082.8 | 1083.0 | 1082.6 |
| 145°   | 1131.1 | 1132.9 | 1134.5 | 1136.1 | 1137.8 | 1139.4 | 1139.6 | 1140.0 | 1140.2 | 1140.4 | 1140.0 |
| 147.5° | 1183.0 | 1184.7 | 1185.8 | 1186.8 | 1188.0 | 1189.0 | 1189.7 | 1190.3 | 1190.8 | 1191.5 | 1191.2 |
| 150°   | 1214.8 | 1216.1 | 1217.2 | 1218.3 | 1219.4 | 1220.5 | 1221.3 | 1222.1 | 1222.9 | 1223.8 | 1223.8 |
| 152.5° | 1245.3 | 1246.8 | 1248.1 | 1249.4 | 1250.7 | 1252.0 | 1253.0 | 1254.0 | 1255.1 | 1256.1 | 1256.1 |
| 155°   | 1287.7 | 1288.5 | 1289.3 | 1290.1 | 1290.9 | 1291.8 | 1293.1 | 1294.5 | 1295.9 | 1297.2 | 1297.5 |
| 157.5° | 1325.7 | 1326.2 | 1326.7 | 1327.2 | 1327.7 | 1328.2 | 1330.0 | 1331.9 | 1333.7 | 1335.6 | 1335.9 |
| 160°   | 1349.3 | 1349.7 | 1350.0 | 1350.2 | 1350.5 | 1350.8 | 1352.4 | 1354.0 | 1355.7 | 1357.3 | 1357.6 |
| 162.5° | 1369.2 | 1369.4 | 1369.6 | 1369.9 | 1370.2 | 1370.4 | 1372.3 | 1374.2 | 1376.1 | 1377.9 | 1378.2 |
| 165°   | 1396.4 | 1396.3 | 1396.3 | 1396.3 | 1396.3 | 1396.3 | 1398.2 | 1400.1 | 1402.0 | 1403.9 | 1404.2 |
| 167.5° | 1418.3 | 1417.9 | 1417.8 | 1417.8 | 1417.7 | 1417.6 | 1419.6 | 1421.5 | 1423.4 | 1425.3 | 1425.6 |
| 170°   | 1431.1 | 1430.5 | 1430.3 | 1430.0 | 1429.7 | 1429.5 | 1431.3 | 1433.3 | 1435.2 | 1437.1 | 1437.2 |
| 172.5° | 1440.0 | 1439.4 | 1439.2 | 1438.8 | 1438.6 | 1438.3 | 1440.2 | 1442.1 | 1444.1 | 1445.9 | 1446.1 |
| 175°   | 1450.7 | 1450.1 | 1449.5 | 1448.9 | 1448.5 | 1447.9 | 1449.8 | 1451.7 | 1453.6 | 1455.6 | 1455.7 |
| 177.5° | 1455.9 | 1455.3 | 1454.8 | 1454.4 | 1454.0 | 1453.5 | 1454.8 | 1456.2 | 1457.5 | 1458.8 | 1458.8 |
| 180°   | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 |



TEST NUMBER: P331520-930

CATALOG NUMBER: S122DIW-S485D1440U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 |
| 2.5°   | 759.9 | 759.4 | 759.4 | 757.2 | 759.4 | 759.4 | 759.9 | 762.3 | 763.0 | 763.5 | 762.5 |
| 5°     | 704.9 | 703.9 | 702.5 | 703.9 | 702.5 | 703.9 | 704.9 | 709.1 | 711.3 | 713.4 | 715.3 |
| 7.5°   | 650.5 | 646.9 | 646.3 | 642.7 | 646.3 | 646.9 | 650.5 | 652.5 | 656.7 | 661.5 | 665.9 |
| 10°    | 610.8 | 608.4 | 608.1 | 602.3 | 608.1 | 608.4 | 610.8 | 616.0 | 620.2 | 626.0 | 632.1 |
| 12.5°  | 580.6 | 574.7 | 575.9 | 572.6 | 575.9 | 574.7 | 580.6 | 580.7 | 585.6 | 589.2 | 598.8 |
| 15°    | 528.2 | 528.2 | 527.1 | 521.9 | 527.1 | 528.2 | 528.2 | 536.5 | 538.0 | 543.8 | 552.0 |
| 17.5°  | 490.7 | 490.1 | 487.1 | 488.6 | 487.1 | 490.1 | 490.7 | 496.8 | 497.7 | 505.5 | 512.3 |
| 20°    | 468.3 | 466.4 | 462.8 | 462.8 | 462.8 | 466.4 | 468.3 | 471.7 | 475.6 | 480.1 | 485.9 |
| 22.5°  | 447.1 | 446.9 | 443.1 | 444.3 | 443.1 | 446.9 | 447.1 | 450.2 | 454.0 | 459.0 | 463.8 |
| 25°    | 422.3 | 419.9 | 418.1 | 419.0 | 418.1 | 419.9 | 422.3 | 422.7 | 426.9 | 430.2 | 433.3 |
| 27.5°  | 398.8 | 397.5 | 397.4 | 394.8 | 397.4 | 397.5 | 398.8 | 399.6 | 402.0 | 404.0 | 406.8 |
| 30°    | 385.1 | 382.1 | 382.7 | 381.2 | 382.7 | 382.1 | 385.1 | 385.5 | 386.7 | 387.9 | 391.3 |
| 32.5°  | 369.6 | 368.5 | 367.9 | 366.6 | 367.9 | 368.5 | 369.6 | 370.1 | 372.6 | 373.8 | 376.4 |
| 35°    | 348.3 | 348.6 | 347.1 | 347.7 | 347.1 | 348.6 | 348.3 | 348.9 | 349.3 | 350.5 | 352.9 |
| 37.5°  | 329.8 | 330.8 | 330.0 | 330.2 | 330.0 | 330.8 | 329.8 | 330.0 | 330.4 | 330.5 | 331.3 |
| 40°    | 317.6 | 317.6 | 317.6 | 318.5 | 317.6 | 317.6 | 317.6 | 316.7 | 317.0 | 316.7 | 316.7 |
| 42.5°  | 305.9 | 305.4 | 304.9 | 304.8 | 304.9 | 305.4 | 305.9 | 303.8 | 304.8 | 303.8 | 303.3 |
| 45°    | 285.9 | 286.8 | 287.1 | 285.6 | 287.1 | 286.8 | 285.9 | 285.3 | 284.4 | 284.1 | 283.8 |
| 47.5°  | 267.8 | 267.9 | 267.8 | 269.1 | 267.8 | 267.9 | 267.8 | 267.0 | 265.6 | 265.1 | 263.6 |
| 50°    | 255.2 | 254.5 | 255.2 | 254.5 | 255.2 | 254.5 | 255.2 | 253.6 | 252.7 | 251.2 | 250.0 |
| 52.5°  | 241.7 | 241.9 | 241.5 | 241.4 | 241.5 | 241.9 | 241.7 | 239.8 | 239.3 | 238.8 | 236.8 |
| 55°    | 220.8 | 221.4 | 221.0 | 221.0 | 221.0 | 221.4 | 220.8 | 219.6 | 219.2 | 217.4 | 215.6 |
| 57.5°  | 199.0 | 199.6 | 200.0 | 198.6 | 200.0 | 199.6 | 199.0 | 198.9 | 198.6 | 196.7 | 194.8 |
| 60°    | 183.9 | 185.4 | 185.2 | 184.5 | 185.2 | 185.4 | 183.9 | 184.2 | 183.3 | 182.1 | 180.8 |
| 62.5°  | 170.0 | 170.6 | 170.5 | 170.4 | 170.5 | 170.6 | 170.0 | 168.6 | 168.2 | 167.0 | 165.8 |
| 65°    | 148.5 | 149.2 | 148.3 | 149.2 | 148.3 | 149.2 | 148.5 | 147.7 | 145.5 | 145.0 | 143.7 |
| 67.5°  | 125.5 | 125.7 | 126.4 | 126.8 | 126.4 | 125.7 | 125.5 | 125.9 | 124.5 | 123.4 | 123.1 |
| 70°    | 111.1 | 110.8 | 111.8 | 112.7 | 111.8 | 110.8 | 111.1 | 110.6 | 109.6 | 108.7 | 107.5 |
| 72.5°  | 96.0  | 96.7  | 96.4  | 97.1  | 96.4  | 96.7  | 96.0  | 96.1  | 95.2  | 94.1  | 92.9  |
| 75°    | 74.0  | 74.9  | 74.6  | 75.5  | 74.6  | 74.9  | 74.0  | 74.6  | 74.0  | 72.8  | 71.6  |
| 77.5°  | 53.5  | 53.6  | 53.5  | 54.0  | 53.5  | 53.6  | 53.5  | 54.0  | 53.3  | 53.7  | 52.3  |
| 80°    | 40.8  | 40.2  | 39.5  | 40.8  | 39.5  | 40.2  | 40.8  | 40.8  | 39.9  | 40.8  | 39.9  |
| 82.5°  | 28.4  | 28.8  | 28.1  | 28.1  | 28.1  | 28.8  | 28.4  | 29.1  | 28.7  | 29.1  | 28.2  |
| 85°    | 13.1  | 12.8  | 12.1  | 12.1  | 12.1  | 12.8  | 13.1  | 13.1  | 14.0  | 13.4  | 13.4  |
| 87.5°  | 10.6  | 10.4  | 10.5  | 10.3  | 10.5  | 10.4  | 10.6  | 10.6  | 10.6  | 11.2  | 11.3  |
| 90°    | 41.0  | 41.3  | 41.5  | 41.8  | 41.5  | 41.3  | 41.0  | 40.7  | 40.8  | 41.4  | 41.9  |
| 92.5°  | 39.6  | 39.7  | 39.8  | 39.8  | 39.8  | 39.7  | 39.6  | 39.6  | 39.5  | 39.4  | 39.3  |
| 95°    | 77.9  | 77.3  | 76.7  | 76.2  | 76.7  | 77.3  | 77.9  | 78.4  | 78.7  | 78.7  | 78.7  |
| 97.5°  | 132.2 | 132.1 | 132.1 | 132.0 | 132.1 | 132.1 | 132.2 | 132.2 | 132.2 | 132.2 | 132.2 |
| 100°   | 169.2 | 168.9 | 168.7 | 168.4 | 168.7 | 168.9 | 169.2 | 169.5 | 169.6 | 169.6 | 169.6 |
| 102.5° | 210.5 | 210.3 | 209.9 | 209.7 | 209.9 | 210.3 | 210.5 | 210.8 | 210.8 | 210.6 | 210.3 |
| 105°   | 272.9 | 272.9 | 272.9 | 272.9 | 272.9 | 272.9 | 272.9 | 272.9 | 272.6 | 272.1 | 271.5 |
| 107.5° | 336.1 | 334.8 | 333.6 | 332.3 | 333.6 | 334.8 | 336.1 | 337.4 | 337.9 | 337.7 | 337.5 |
| 110°   | 381.0 | 380.2 | 379.4 | 378.5 | 379.4 | 380.2 | 381.0 | 381.8 | 382.3 | 382.3 | 382.3 |



TEST NUMBER: P331520-930

CATALOG NUMBER: S122DIW-S485D1440U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 424.6  | 424.0  | 423.4  | 422.8  | 423.4  | 424.0  | 424.6  | 425.2  | 425.8  | 426.5  | 427.1  |
| 115°   | 494.1  | 493.3  | 492.4  | 491.6  | 492.4  | 493.3  | 494.1  | 494.9  | 495.5  | 495.7  | 496.0  |
| 117.5° | 559.7  | 558.9  | 558.1  | 557.3  | 558.1  | 558.9  | 559.7  | 560.5  | 561.3  | 562.0  | 562.6  |
| 120°   | 605.9  | 605.1  | 604.3  | 603.5  | 604.3  | 605.1  | 605.9  | 606.7  | 607.2  | 607.2  | 607.2  |
| 122.5° | 650.5  | 650.0  | 649.3  | 648.7  | 649.3  | 650.0  | 650.5  | 651.1  | 651.8  | 652.4  | 653.1  |
| 125°   | 718.6  | 718.4  | 718.1  | 717.8  | 718.1  | 718.4  | 718.6  | 718.9  | 719.4  | 720.2  | 721.1  |
| 127.5° | 783.3  | 782.4  | 781.6  | 780.7  | 781.6  | 782.4  | 783.3  | 784.2  | 785.1  | 786.1  | 787.1  |
| 130°   | 829.2  | 828.2  | 827.0  | 826.0  | 827.0  | 828.2  | 829.2  | 830.3  | 831.1  | 831.7  | 832.3  |
| 132.5° | 871.9  | 871.0  | 870.1  | 869.2  | 870.1  | 871.0  | 871.9  | 872.7  | 873.8  | 875.0  | 876.2  |
| 135°   | 939.1  | 938.2  | 937.4  | 936.6  | 937.4  | 938.2  | 939.1  | 939.9  | 940.4  | 940.7  | 940.9  |
| 137.5° | 1000.9 | 999.7  | 998.7  | 997.5  | 998.7  | 999.7  | 1000.9 | 1001.9 | 1002.6 | 1002.8 | 1003.0 |
| 140°   | 1043.1 | 1042.0 | 1040.9 | 1039.8 | 1040.9 | 1042.0 | 1043.1 | 1044.2 | 1044.7 | 1044.7 | 1044.7 |
| 142.5° | 1081.5 | 1080.4 | 1079.3 | 1078.2 | 1079.3 | 1080.4 | 1081.5 | 1082.6 | 1083.0 | 1082.8 | 1082.6 |
| 145°   | 1139.0 | 1137.9 | 1136.8 | 1135.7 | 1136.8 | 1137.9 | 1139.0 | 1140.0 | 1140.4 | 1140.2 | 1140.0 |
| 147.5° | 1190.2 | 1189.1 | 1188.1 | 1187.1 | 1188.1 | 1189.1 | 1190.2 | 1191.2 | 1191.5 | 1190.8 | 1190.3 |
| 150°   | 1222.9 | 1222.1 | 1221.3 | 1220.5 | 1221.3 | 1222.1 | 1222.9 | 1223.8 | 1223.8 | 1222.9 | 1222.1 |
| 152.5° | 1255.1 | 1254.0 | 1253.0 | 1252.0 | 1253.0 | 1254.0 | 1255.1 | 1256.1 | 1256.1 | 1255.1 | 1254.0 |
| 155°   | 1296.7 | 1295.9 | 1295.1 | 1294.3 | 1295.1 | 1295.9 | 1296.7 | 1297.5 | 1297.2 | 1295.9 | 1294.5 |
| 157.5° | 1334.6 | 1333.3 | 1332.0 | 1330.6 | 1332.0 | 1333.3 | 1334.6 | 1335.9 | 1335.6 | 1333.7 | 1331.9 |
| 160°   | 1356.5 | 1355.4 | 1354.4 | 1353.2 | 1354.4 | 1355.4 | 1356.5 | 1357.6 | 1357.3 | 1355.7 | 1354.0 |
| 162.5° | 1376.9 | 1375.6 | 1374.3 | 1372.9 | 1374.3 | 1375.6 | 1376.9 | 1378.2 | 1377.9 | 1376.1 | 1374.2 |
| 165°   | 1402.8 | 1401.5 | 1400.1 | 1398.7 | 1400.1 | 1401.5 | 1402.8 | 1404.2 | 1403.9 | 1402.0 | 1400.1 |
| 167.5° | 1424.2 | 1422.7 | 1421.3 | 1419.8 | 1421.3 | 1422.7 | 1424.2 | 1425.6 | 1425.3 | 1423.4 | 1421.5 |
| 170°   | 1435.6 | 1433.9 | 1432.3 | 1430.7 | 1432.3 | 1433.9 | 1435.6 | 1437.2 | 1437.1 | 1435.2 | 1433.3 |
| 172.5° | 1444.5 | 1442.8 | 1441.2 | 1439.6 | 1441.2 | 1442.8 | 1444.5 | 1446.1 | 1445.9 | 1444.1 | 1442.1 |
| 175°   | 1454.0 | 1452.4 | 1450.7 | 1449.1 | 1450.7 | 1452.4 | 1454.0 | 1455.7 | 1455.6 | 1453.6 | 1451.7 |
| 177.5° | 1457.5 | 1456.2 | 1454.8 | 1453.5 | 1454.8 | 1456.2 | 1457.5 | 1458.8 | 1458.8 | 1457.5 | 1456.2 |
| 180°   | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 |



TEST NUMBER: P331520-930

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**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 |
| 2.5°   | 761.3 | 764.0 | 768.2 | 772.5 | 775.2 | 780.3 | 781.8 | 784.2 | 786.4 | 791.5 | 796.9 |
| 5°     | 717.4 | 721.6 | 731.6 | 737.1 | 744.8 | 753.6 | 759.4 | 765.5 | 772.2 | 783.7 | 794.4 |
| 7.5°   | 670.3 | 677.4 | 689.8 | 700.1 | 710.9 | 723.6 | 732.7 | 744.8 | 754.7 | 771.0 | 786.7 |
| 10°    | 638.8 | 648.8 | 660.1 | 672.3 | 687.5 | 700.9 | 713.7 | 729.0 | 741.1 | 760.6 | 778.9 |
| 12.5°  | 610.6 | 612.0 | 628.2 | 641.6 | 662.4 | 679.0 | 693.7 | 713.3 | 725.3 | 748.4 | 767.7 |
| 15°    | 561.2 | 570.3 | 584.9 | 595.6 | 620.2 | 641.2 | 661.9 | 682.3 | 696.0 | 724.6 | 749.9 |
| 17.5°  | 519.6 | 528.0 | 543.0 | 560.4 | 578.1 | 599.0 | 625.8 | 647.3 | 665.9 | 698.6 | 728.6 |
| 20°    | 493.3 | 503.6 | 518.9 | 536.8 | 552.4 | 575.2 | 598.3 | 623.0 | 643.0 | 679.9 | 714.9 |
| 22.5°  | 470.8 | 479.0 | 491.3 | 509.0 | 526.0 | 546.9 | 572.3 | 599.1 | 620.2 | 659.9 | 695.5 |
| 25°    | 439.4 | 446.1 | 454.0 | 468.6 | 487.8 | 510.6 | 530.4 | 559.9 | 590.7 | 627.9 | 670.7 |
| 27.5°  | 411.0 | 415.7 | 422.7 | 435.6 | 450.5 | 471.8 | 493.8 | 521.8 | 552.8 | 593.0 | 638.4 |
| 30°    | 393.7 | 396.7 | 403.7 | 414.4 | 429.0 | 445.7 | 468.0 | 494.8 | 526.4 | 567.3 | 612.3 |
| 32.5°  | 378.6 | 381.4 | 386.0 | 396.2 | 408.8 | 423.1 | 443.1 | 469.9 | 500.1 | 540.2 | 590.1 |
| 35°    | 356.0 | 358.1 | 362.0 | 370.2 | 377.2 | 391.3 | 408.0 | 432.4 | 460.6 | 499.0 | 550.8 |
| 37.5°  | 333.4 | 336.2 | 338.7 | 342.2 | 351.1 | 360.4 | 375.0 | 395.5 | 423.3 | 462.0 | 511.4 |
| 40°    | 318.5 | 320.9 | 324.6 | 326.1 | 333.4 | 341.6 | 353.5 | 372.3 | 400.4 | 435.7 | 483.8 |
| 42.5°  | 303.4 | 305.8 | 308.0 | 309.8 | 316.1 | 323.3 | 334.0 | 350.3 | 375.0 | 409.4 | 457.1 |
| 45°    | 282.8 | 283.2 | 285.3 | 288.6 | 291.7 | 296.9 | 304.5 | 318.5 | 337.7 | 370.0 | 413.2 |
| 47.5°  | 262.0 | 262.4 | 262.8 | 264.2 | 267.6 | 272.2 | 277.3 | 288.7 | 305.9 | 331.7 | 373.7 |
| 50°    | 248.2 | 247.5 | 248.2 | 249.4 | 251.5 | 255.4 | 261.2 | 269.5 | 283.5 | 307.5 | 346.2 |
| 52.5°  | 234.7 | 234.6 | 234.2 | 234.7 | 236.4 | 239.1 | 243.2 | 250.2 | 262.8 | 284.9 | 318.9 |
| 55°    | 214.3 | 212.8 | 213.1 | 211.9 | 214.7 | 215.2 | 218.3 | 224.1 | 235.1 | 250.3 | 282.3 |
| 57.5°  | 192.6 | 191.4 | 190.0 | 189.6 | 189.4 | 191.0 | 193.5 | 198.0 | 206.4 | 219.8 | 245.7 |
| 60°    | 178.7 | 177.2 | 175.4 | 174.8 | 174.8 | 175.7 | 176.9 | 180.3 | 188.2 | 200.1 | 221.4 |
| 62.5°  | 164.6 | 162.8 | 161.8 | 160.1 | 159.6 | 160.6 | 161.8 | 164.2 | 169.9 | 181.1 | 199.4 |
| 65°    | 142.8 | 140.6 | 139.2 | 138.8 | 138.3 | 137.3 | 137.9 | 140.4 | 145.0 | 153.8 | 168.4 |
| 67.5°  | 120.9 | 119.0 | 118.5 | 116.8 | 115.9 | 116.1 | 115.9 | 118.1 | 120.7 | 128.3 | 139.3 |
| 70°    | 106.6 | 105.0 | 104.4 | 102.9 | 102.3 | 101.7 | 101.1 | 102.9 | 105.7 | 112.0 | 121.5 |
| 72.5°  | 92.0  | 90.7  | 89.4  | 88.1  | 88.2  | 87.6  | 87.5  | 88.5  | 90.8  | 96.7  | 104.0 |
| 75°    | 70.9  | 71.3  | 69.7  | 68.2  | 67.9  | 67.3  | 67.3  | 68.2  | 69.1  | 73.7  | 79.5  |
| 77.5°  | 51.4  | 51.2  | 49.9  | 49.4  | 49.2  | 48.5  | 49.2  | 49.7  | 50.2  | 53.3  | 57.6  |
| 80°    | 39.3  | 39.3  | 37.7  | 37.7  | 37.4  | 36.5  | 37.4  | 36.9  | 38.1  | 41.1  | 44.2  |
| 82.5°  | 28.0  | 27.6  | 27.6  | 27.1  | 27.0  | 26.3  | 26.7  | 27.3  | 27.8  | 29.9  | 31.7  |
| 85°    | 13.7  | 13.7  | 13.4  | 13.1  | 13.4  | 13.1  | 13.4  | 13.7  | 14.0  | 14.9  | 16.5  |
| 87.5°  | 11.4  | 11.7  | 10.8  | 9.9   | 8.6   | 7.7   | 7.0   | 6.6   | 6.4   | 6.0   | 5.6   |
| 90°    | 42.5  | 43.0  | 37.0  | 31.0  | 25.0  | 19.0  | 14.3  | 11.1  | 7.7   | 4.5   | 1.2   |
| 92.5°  | 39.2  | 39.1  | 37.7  | 36.3  | 34.8  | 33.4  | 31.5  | 29.1  | 26.7  | 24.3  | 21.9  |
| 95°    | 78.7  | 78.7  | 78.1  | 77.5  | 77.0  | 76.5  | 74.8  | 72.1  | 69.4  | 66.6  | 63.9  |
| 97.5°  | 132.2 | 132.2 | 131.2 | 130.2 | 129.1 | 128.1 | 126.4 | 124.0 | 121.6 | 119.2 | 116.8 |
| 100°   | 169.6 | 169.6 | 168.8 | 168.0 | 167.1 | 166.3 | 164.9 | 162.7 | 160.5 | 158.2 | 156.1 |
| 102.5° | 210.2 | 209.9 | 208.9 | 207.8 | 206.8 | 205.8 | 204.4 | 202.6 | 200.9 | 199.2 | 197.4 |
| 105°   | 270.9 | 270.4 | 269.9 | 269.3 | 268.8 | 268.2 | 267.5 | 266.7 | 265.9 | 265.1 | 264.2 |
| 107.5° | 337.2 | 337.0 | 337.0 | 337.0 | 337.0 | 337.0 | 336.4 | 335.3 | 334.0 | 332.8 | 331.6 |
| 110°   | 382.3 | 382.3 | 382.3 | 382.3 | 382.3 | 382.3 | 381.4 | 379.8 | 378.1 | 376.5 | 374.9 |



TEST NUMBER: P331520-930

CATALOG NUMBER: S122DIW-S485D1440U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 427.8  | 428.4  | 428.7  | 428.9  | 429.1  | 429.3  | 428.6  | 427.0  | 425.3  | 423.7  | 422.1  |
| 115°   | 496.3  | 496.6  | 497.1  | 497.7  | 498.2  | 498.7  | 498.2  | 496.6  | 494.9  | 493.3  | 491.6  |
| 117.5° | 563.3  | 563.9  | 565.4  | 567.0  | 568.5  | 570.1  | 569.7  | 567.5  | 565.3  | 563.1  | 561.0  |
| 120°   | 607.2  | 607.2  | 609.4  | 611.6  | 613.8  | 616.0  | 616.0  | 613.8  | 611.6  | 609.4  | 607.2  |
| 122.5° | 653.7  | 654.4  | 655.9  | 657.5  | 659.0  | 660.5  | 660.0  | 657.3  | 654.7  | 652.1  | 649.5  |
| 125°   | 721.9  | 722.7  | 723.6  | 724.4  | 725.2  | 726.0  | 725.2  | 722.7  | 720.2  | 717.8  | 715.3  |
| 127.5° | 788.1  | 789.1  | 790.1  | 791.1  | 792.1  | 793.0  | 792.0  | 788.9  | 785.7  | 782.6  | 779.5  |
| 130°   | 832.8  | 833.3  | 833.9  | 834.5  | 834.9  | 835.5  | 834.1  | 830.5  | 827.0  | 823.4  | 819.8  |
| 132.5° | 877.3  | 878.6  | 878.5  | 878.3  | 878.2  | 878.2  | 876.6  | 873.8  | 870.8  | 868.0  | 865.0  |
| 135°   | 941.3  | 941.5  | 940.9  | 940.4  | 939.9  | 939.3  | 937.5  | 934.5  | 931.6  | 928.5  | 925.5  |
| 137.5° | 1003.2 | 1003.5 | 1002.7 | 1002.0 | 1001.4 | 1000.6 | 999.0  | 996.5  | 994.1  | 991.6  | 989.2  |
| 140°   | 1044.7 | 1044.7 | 1043.4 | 1042.0 | 1040.6 | 1039.3 | 1037.4 | 1034.9 | 1032.5 | 1030.0 | 1027.5 |
| 142.5° | 1082.3 | 1082.1 | 1081.2 | 1080.3 | 1079.3 | 1078.4 | 1076.7 | 1074.2 | 1071.8 | 1069.3 | 1066.9 |
| 145°   | 1139.6 | 1139.4 | 1137.8 | 1136.1 | 1134.5 | 1132.9 | 1131.1 | 1129.1 | 1127.2 | 1125.4 | 1123.4 |
| 147.5° | 1189.7 | 1189.0 | 1188.0 | 1186.8 | 1185.8 | 1184.7 | 1183.0 | 1180.7 | 1178.4 | 1176.1 | 1173.8 |
| 150°   | 1221.3 | 1220.5 | 1219.4 | 1218.3 | 1217.2 | 1216.1 | 1214.8 | 1213.2 | 1211.5 | 1209.8 | 1208.2 |
| 152.5° | 1253.0 | 1252.0 | 1250.7 | 1249.4 | 1248.1 | 1246.8 | 1245.3 | 1243.6 | 1241.9 | 1240.3 | 1238.7 |
| 155°   | 1293.1 | 1291.8 | 1290.9 | 1290.1 | 1289.3 | 1288.5 | 1287.7 | 1286.9 | 1286.1 | 1285.2 | 1284.4 |
| 157.5° | 1330.0 | 1328.2 | 1327.7 | 1327.2 | 1326.7 | 1326.2 | 1325.7 | 1325.2 | 1324.6 | 1324.0 | 1323.5 |
| 160°   | 1352.4 | 1350.8 | 1350.5 | 1350.2 | 1350.0 | 1349.7 | 1349.3 | 1348.7 | 1348.2 | 1347.7 | 1347.1 |
| 162.5° | 1372.3 | 1370.4 | 1370.2 | 1369.9 | 1369.6 | 1369.4 | 1369.2 | 1369.1 | 1369.0 | 1368.9 | 1368.7 |
| 165°   | 1398.2 | 1396.3 | 1396.3 | 1396.3 | 1396.3 | 1396.3 | 1396.4 | 1396.7 | 1396.9 | 1397.3 | 1397.5 |
| 167.5° | 1419.6 | 1417.6 | 1417.7 | 1417.8 | 1417.8 | 1417.9 | 1418.3 | 1419.1 | 1419.9 | 1420.7 | 1421.6 |
| 170°   | 1431.3 | 1429.5 | 1429.7 | 1430.0 | 1430.3 | 1430.5 | 1431.1 | 1431.9 | 1432.7 | 1433.5 | 1434.4 |
| 172.5° | 1440.2 | 1438.3 | 1438.6 | 1438.8 | 1439.2 | 1439.4 | 1440.0 | 1440.8 | 1441.6 | 1442.4 | 1443.2 |
| 175°   | 1449.8 | 1447.9 | 1448.5 | 1448.9 | 1449.5 | 1450.1 | 1450.7 | 1451.6 | 1452.4 | 1453.2 | 1454.0 |
| 177.5° | 1454.8 | 1453.5 | 1454.0 | 1454.4 | 1454.8 | 1455.3 | 1455.9 | 1456.5 | 1457.2 | 1457.8 | 1458.5 |
| 180°   | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 |



TEST NUMBER: P331520-930

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**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°   | 315°   | 320°   | 325°   |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0°     | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 792.2 | 792.2  | 792.2  | 792.2  | 792.2  |
| 2.5°   | 796.4 | 797.6 | 801.5 | 805.4 | 809.8 | 811.0 | 812.9 | 811.2  | 810.7  | 815.4  | 818.8  |
| 5°     | 798.7 | 804.1 | 814.8 | 824.5 | 832.7 | 838.5 | 844.7 | 847.1  | 851.7  | 858.0  | 865.9  |
| 7.5°   | 796.1 | 806.7 | 823.5 | 837.7 | 853.1 | 864.3 | 873.0 | 880.4  | 889.4  | 901.6  | 914.8  |
| 10°    | 793.2 | 807.5 | 827.9 | 845.2 | 864.1 | 878.4 | 890.3 | 901.9  | 915.3  | 932.1  | 949.3  |
| 12.5°  | 787.8 | 804.8 | 830.3 | 850.8 | 875.1 | 889.2 | 905.1 | 930.1  | 944.5  | 967.8  | 992.2  |
| 15°    | 777.1 | 795.9 | 831.5 | 856.8 | 884.2 | 911.0 | 940.5 | 964.3  | 988.1  | 1001.8 | 1036.2 |
| 17.5°  | 761.0 | 788.7 | 828.2 | 857.7 | 892.5 | 934.7 | 967.8 | 994.8  | 1022.2 | 1044.4 | 1061.7 |
| 20°    | 748.1 | 778.3 | 823.3 | 858.7 | 900.0 | 945.4 | 983.5 | 1010.9 | 1034.6 | 1053.2 | 1063.9 |
| 22.5°  | 731.8 | 769.7 | 813.6 | 855.0 | 907.8 | 952.8 | 992.7 | 1014.3 | 1034.1 | 1043.2 | 1047.3 |
| 25°    | 706.0 | 751.8 | 801.4 | 851.9 | 911.6 | 959.1 | 995.6 | 1008.8 | 1014.6 | 1005.7 | 991.1  |
| 27.5°  | 678.4 | 729.3 | 787.3 | 846.2 | 909.3 | 955.0 | 981.1 | 979.1  | 969.3  | 940.7  | 917.9  |
| 30°    | 657.7 | 713.7 | 776.1 | 840.3 | 903.7 | 948.1 | 963.4 | 948.1  | 925.9  | 894.0  | 861.4  |
| 32.5°  | 636.0 | 694.0 | 764.2 | 832.1 | 893.5 | 932.5 | 935.9 | 909.6  | 875.2  | 838.9  | 798.3  |
| 35°    | 603.2 | 665.9 | 741.7 | 813.6 | 871.7 | 896.4 | 881.7 | 835.5  | 794.7  | 745.1  | 689.7  |
| 37.5°  | 566.1 | 635.4 | 711.3 | 786.4 | 839.2 | 845.6 | 809.3 | 760.6  | 703.0  | 644.7  | 579.5  |
| 40°    | 538.3 | 611.7 | 690.0 | 765.7 | 812.4 | 805.7 | 759.4 | 705.8  | 637.2  | 566.1  | 505.4  |
| 42.5°  | 513.5 | 586.9 | 666.6 | 740.9 | 778.3 | 759.9 | 705.8 | 640.0  | 566.4  | 499.3  | 443.8  |
| 45°    | 470.4 | 545.9 | 627.5 | 699.4 | 720.7 | 687.5 | 616.0 | 542.9  | 470.4  | 414.4  | 370.6  |
| 47.5°  | 428.7 | 503.3 | 584.1 | 647.3 | 654.8 | 610.2 | 532.0 | 456.8  | 394.5  | 348.9  | 318.0  |
| 50°    | 397.9 | 472.9 | 552.9 | 609.3 | 606.8 | 552.9 | 472.5 | 401.0  | 348.9  | 312.1  | 291.4  |
| 52.5°  | 370.4 | 441.2 | 518.1 | 569.3 | 556.4 | 497.7 | 420.9 | 357.4  | 314.6  | 285.8  | 267.0  |
| 55°    | 327.6 | 393.1 | 466.2 | 507.3 | 483.6 | 418.3 | 353.5 | 302.3  | 270.7  | 249.1  | 234.5  |
| 57.5°  | 285.1 | 346.5 | 409.0 | 434.4 | 408.1 | 348.0 | 293.9 | 256.8  | 233.0  | 217.0  | 207.5  |
| 60°    | 258.8 | 312.4 | 368.1 | 390.0 | 358.7 | 305.1 | 262.4 | 229.3  | 210.1  | 197.0  | 188.5  |
| 62.5°  | 232.5 | 280.5 | 333.0 | 345.0 | 316.3 | 271.0 | 233.3 | 205.6  | 189.9  | 178.2  | 170.2  |
| 65°    | 196.7 | 235.9 | 275.9 | 283.8 | 257.3 | 222.3 | 192.4 | 174.5  | 160.5  | 152.0  | 145.5  |
| 67.5°  | 161.3 | 192.8 | 221.1 | 227.5 | 204.3 | 180.0 | 158.4 | 142.8  | 133.3  | 126.2  | 120.8  |
| 70°    | 140.4 | 165.3 | 188.5 | 193.6 | 175.0 | 153.4 | 137.1 | 124.5  | 116.0  | 109.9  | 104.8  |
| 72.5°  | 118.2 | 139.0 | 158.2 | 161.8 | 146.6 | 130.0 | 116.6 | 106.7  | 99.2   | 95.3   | 90.3   |
| 75°    | 90.4  | 102.6 | 117.6 | 118.5 | 108.4 | 98.3  | 88.0  | 81.6   | 77.6   | 72.8   | 70.4   |
| 77.5°  | 63.8  | 73.4  | 81.9  | 83.6  | 77.6  | 70.8  | 65.0  | 59.9   | 56.6   | 54.3   | 52.1   |
| 80°    | 48.8  | 56.3  | 60.0  | 62.1  | 57.9  | 53.0  | 49.7  | 46.3   | 44.2   | 42.6   | 41.1   |
| 82.5°  | 34.8  | 39.5  | 43.0  | 44.6  | 42.2  | 39.4  | 36.0  | 34.1   | 32.4   | 31.1   | 30.7   |
| 85°    | 17.7  | 19.8  | 21.9  | 22.5  | 21.9  | 20.7  | 18.9  | 18.9   | 17.9   | 17.7   | 17.7   |
| 87.5°  | 7.0   | 8.6   | 9.3   | 10.7  | 11.1  | 12.3  | 13.5  | 14.4   | 15.4   | 15.1   | 14.8   |
| 90°    | 4.5   | 7.7   | 11.1  | 14.3  | 19.0  | 25.0  | 31.0  | 37.0   | 43.0   | 42.5   | 41.9   |
| 92.5°  | 24.3  | 26.7  | 29.1  | 31.5  | 33.4  | 34.8  | 36.3  | 37.7   | 39.1   | 39.2   | 39.3   |
| 95°    | 66.6  | 69.4  | 72.1  | 74.8  | 76.5  | 77.0  | 77.5  | 78.1   | 78.7   | 78.7   | 78.7   |
| 97.5°  | 119.2 | 121.6 | 124.0 | 126.4 | 128.1 | 129.1 | 130.2 | 131.2  | 132.2  | 132.2  | 132.2  |
| 100°   | 158.2 | 160.5 | 162.7 | 164.9 | 166.3 | 167.1 | 168.0 | 168.8  | 169.6  | 169.6  | 169.6  |
| 102.5° | 199.2 | 200.9 | 202.6 | 204.4 | 205.8 | 206.8 | 207.8 | 208.9  | 209.9  | 210.2  | 210.3  |
| 105°   | 265.1 | 265.9 | 266.7 | 267.5 | 268.2 | 268.8 | 269.3 | 269.9  | 270.4  | 270.9  | 271.5  |
| 107.5° | 332.8 | 334.0 | 335.3 | 336.4 | 337.0 | 337.0 | 337.0 | 337.0  | 337.0  | 337.2  | 337.5  |
| 110°   | 376.5 | 378.1 | 379.8 | 381.4 | 382.3 | 382.3 | 382.3 | 382.3  | 382.3  | 382.3  | 382.3  |





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**CANDELA DISTRIBUTION (continued):**

|        | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 423.7  | 425.3  | 427.0  | 428.6  | 429.3  | 429.1  | 428.9  | 428.7  | 428.4  | 427.8  | 427.1  |
| 115°   | 493.3  | 494.9  | 496.6  | 498.2  | 498.7  | 498.2  | 497.7  | 497.1  | 496.6  | 496.3  | 496.0  |
| 117.5° | 563.1  | 565.3  | 567.5  | 569.7  | 570.1  | 568.5  | 567.0  | 565.4  | 563.9  | 563.3  | 562.6  |
| 120°   | 609.4  | 611.6  | 613.8  | 616.0  | 616.0  | 613.8  | 611.6  | 609.4  | 607.2  | 607.2  | 607.2  |
| 122.5° | 652.1  | 654.7  | 657.3  | 660.0  | 660.5  | 659.0  | 657.5  | 655.9  | 654.4  | 653.7  | 653.1  |
| 125°   | 717.8  | 720.2  | 722.7  | 725.2  | 726.0  | 725.2  | 724.4  | 723.6  | 722.7  | 721.9  | 721.1  |
| 127.5° | 782.6  | 785.7  | 788.9  | 792.0  | 793.0  | 792.1  | 791.1  | 790.1  | 789.1  | 788.1  | 787.1  |
| 130°   | 823.4  | 827.0  | 830.5  | 834.1  | 835.5  | 834.9  | 834.5  | 833.9  | 833.3  | 832.8  | 832.3  |
| 132.5° | 868.0  | 870.8  | 873.8  | 876.6  | 878.2  | 878.2  | 878.3  | 878.5  | 878.6  | 877.3  | 876.2  |
| 135°   | 928.5  | 931.6  | 934.5  | 937.5  | 939.3  | 939.9  | 940.4  | 940.9  | 941.5  | 941.3  | 940.9  |
| 137.5° | 991.6  | 994.1  | 996.5  | 999.0  | 1000.6 | 1001.4 | 1002.0 | 1002.7 | 1003.5 | 1003.2 | 1003.0 |
| 140°   | 1030.0 | 1032.5 | 1034.9 | 1037.4 | 1039.3 | 1040.6 | 1042.0 | 1043.4 | 1044.7 | 1044.7 | 1044.7 |
| 142.5° | 1069.3 | 1071.8 | 1074.2 | 1076.7 | 1078.4 | 1079.3 | 1080.3 | 1081.2 | 1082.1 | 1082.3 | 1082.6 |
| 145°   | 1125.4 | 1127.2 | 1129.1 | 1131.1 | 1132.9 | 1134.5 | 1136.1 | 1137.8 | 1139.4 | 1139.6 | 1140.0 |
| 147.5° | 1176.1 | 1178.4 | 1180.7 | 1183.0 | 1184.7 | 1185.8 | 1186.8 | 1188.0 | 1189.0 | 1189.7 | 1190.3 |
| 150°   | 1209.8 | 1211.5 | 1213.2 | 1214.8 | 1216.1 | 1217.2 | 1218.3 | 1219.4 | 1220.5 | 1221.3 | 1222.1 |
| 152.5° | 1240.3 | 1241.9 | 1243.6 | 1245.3 | 1246.8 | 1248.1 | 1249.4 | 1250.7 | 1252.0 | 1253.0 | 1254.0 |
| 155°   | 1285.2 | 1286.1 | 1286.9 | 1287.7 | 1288.5 | 1289.3 | 1290.1 | 1290.9 | 1291.8 | 1293.1 | 1294.5 |
| 157.5° | 1324.0 | 1324.6 | 1325.2 | 1325.7 | 1326.2 | 1326.7 | 1327.2 | 1327.7 | 1328.2 | 1330.0 | 1331.9 |
| 160°   | 1347.7 | 1348.2 | 1348.7 | 1349.3 | 1349.7 | 1350.0 | 1350.2 | 1350.5 | 1350.8 | 1352.4 | 1354.0 |
| 162.5° | 1368.9 | 1369.0 | 1369.1 | 1369.2 | 1369.4 | 1369.6 | 1369.9 | 1370.2 | 1370.4 | 1372.3 | 1374.2 |
| 165°   | 1397.3 | 1396.9 | 1396.7 | 1396.4 | 1396.3 | 1396.3 | 1396.3 | 1396.3 | 1396.3 | 1398.2 | 1400.1 |
| 167.5° | 1420.7 | 1419.9 | 1419.1 | 1418.3 | 1417.9 | 1417.8 | 1417.8 | 1417.7 | 1417.6 | 1419.6 | 1421.5 |
| 170°   | 1433.5 | 1432.7 | 1431.9 | 1431.1 | 1430.5 | 1430.3 | 1430.0 | 1429.7 | 1429.5 | 1431.3 | 1433.3 |
| 172.5° | 1442.4 | 1441.6 | 1440.8 | 1440.0 | 1439.4 | 1439.2 | 1438.8 | 1438.6 | 1438.3 | 1440.2 | 1442.1 |
| 175°   | 1453.2 | 1452.4 | 1451.6 | 1450.7 | 1450.1 | 1449.5 | 1448.9 | 1448.5 | 1447.9 | 1449.8 | 1451.7 |
| 177.5° | 1457.8 | 1457.2 | 1456.5 | 1455.9 | 1455.3 | 1454.8 | 1454.4 | 1454.0 | 1453.5 | 1454.8 | 1456.2 |
| 180°   | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 |



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**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 792.2  | 792.2  | 792.2  | 792.2  | 792.2  | 792.2  | 792.2  |
| 2.5°   | 821.7  | 825.2  | 825.2  | 825.7  | 829.5  | 829.1  | 828.8  |
| 5°     | 874.5  | 879.6  | 880.3  | 885.7  | 889.4  | 888.2  | 884.8  |
| 7.5°   | 924.2  | 933.8  | 941.2  | 945.3  | 950.1  | 953.0  | 951.7  |
| 10°    | 963.7  | 977.7  | 986.2  | 992.0  | 999.0  | 1004.2 | 1002.3 |
| 12.5°  | 999.5  | 1016.2 | 1027.8 | 1037.8 | 1038.7 | 1045.4 | 1040.8 |
| 15°    | 1055.3 | 1073.0 | 1074.8 | 1082.1 | 1087.9 | 1087.3 | 1087.6 |
| 17.5°  | 1073.7 | 1079.5 | 1080.6 | 1080.8 | 1080.8 | 1078.7 | 1074.1 |
| 20°    | 1067.2 | 1065.1 | 1059.9 | 1056.0 | 1049.0 | 1048.0 | 1042.0 |
| 22.5°  | 1036.0 | 1029.2 | 1016.3 | 1007.7 | 996.8  | 993.9  | 992.2  |
| 25°    | 974.6  | 959.7  | 939.0  | 919.2  | 913.7  | 903.1  | 906.1  |
| 27.5°  | 890.4  | 867.2  | 844.7  | 828.7  | 814.2  | 798.2  | 802.7  |
| 30°    | 831.2  | 805.0  | 773.4  | 749.0  | 733.5  | 718.3  | 715.5  |
| 32.5°  | 760.6  | 722.2  | 686.9  | 665.4  | 641.6  | 632.0  | 621.5  |
| 35°    | 638.8  | 601.4  | 566.3  | 536.2  | 518.9  | 505.4  | 493.3  |
| 37.5°  | 529.2  | 486.2  | 457.9  | 433.5  | 420.9  | 413.3  | 415.2  |
| 40°    | 461.3  | 423.5  | 402.8  | 384.3  | 372.7  | 367.2  | 368.4  |
| 42.5°  | 406.3  | 378.0  | 360.9  | 348.2  | 340.1  | 337.0  | 336.2  |
| 45°    | 343.7  | 327.9  | 313.9  | 306.6  | 302.6  | 299.3  | 297.2  |
| 47.5°  | 301.2  | 288.2  | 280.3  | 276.0  | 272.5  | 269.1  | 269.0  |
| 50°    | 275.6  | 267.0  | 261.5  | 257.0  | 254.2  | 251.8  | 254.0  |
| 52.5°  | 256.1  | 248.3  | 242.8  | 238.7  | 237.7  | 235.5  | 235.5  |
| 55°    | 227.1  | 221.0  | 217.1  | 213.4  | 211.7  | 210.4  | 208.9  |
| 57.5°  | 200.8  | 195.0  | 191.4  | 189.1  | 185.6  | 184.4  | 183.9  |
| 60°    | 182.1  | 177.5  | 173.8  | 170.8  | 169.3  | 166.9  | 166.9  |
| 62.5°  | 164.8  | 160.2  | 156.8  | 154.5  | 152.0  | 151.0  | 151.2  |
| 65°    | 139.7  | 136.1  | 132.7  | 130.3  | 129.7  | 127.9  | 128.5  |
| 67.5°  | 116.8  | 114.3  | 110.8  | 109.4  | 108.3  | 107.3  | 106.6  |
| 70°    | 101.4  | 99.0   | 97.1   | 95.3   | 94.4   | 94.4   | 94.4   |
| 72.5°  | 88.5   | 85.5   | 84.5   | 82.2   | 82.7   | 81.7   | 80.7   |
| 75°    | 68.5   | 66.7   | 65.8   | 64.8   | 63.3   | 63.3   | 63.3   |
| 77.5°  | 50.4   | 49.9   | 48.8   | 47.8   | 47.5   | 47.1   | 47.3   |
| 80°    | 39.0   | 38.6   | 38.1   | 38.1   | 37.4   | 37.2   | 36.5   |
| 82.5°  | 29.9   | 29.2   | 28.8   | 28.5   | 28.5   | 28.4   | 28.3   |
| 85°    | 17.0   | 16.5   | 16.5   | 16.7   | 16.1   | 16.1   | 16.5   |
| 87.5°  | 14.8   | 14.8   | 14.5   | 14.5   | 14.8   | 14.7   | 14.7   |
| 90°    | 41.4   | 40.8   | 40.7   | 41.0   | 41.3   | 41.5   | 41.8   |
| 92.5°  | 39.4   | 39.5   | 39.6   | 39.6   | 39.7   | 39.8   | 39.8   |
| 95°    | 78.7   | 78.7   | 78.4   | 77.9   | 77.3   | 76.7   | 76.2   |
| 97.5°  | 132.2  | 132.2  | 132.2  | 132.2  | 132.1  | 132.1  | 132.0  |
| 100°   | 169.6  | 169.6  | 169.5  | 169.2  | 168.9  | 168.7  | 168.4  |
| 102.5° | 210.6  | 210.8  | 210.8  | 210.5  | 210.3  | 209.9  | 209.7  |
| 105°   | 272.1  | 272.6  | 272.9  | 272.9  | 272.9  | 272.9  | 272.9  |
| 107.5° | 337.7  | 337.9  | 337.4  | 336.1  | 334.8  | 333.6  | 332.3  |
| 110°   | 382.3  | 382.3  | 381.8  | 381.0  | 380.2  | 379.4  | 378.5  |



TEST NUMBER: P331520-930

CATALOG NUMBER: S122DIW-S485D1440U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 426.5  | 425.8  | 425.2  | 424.6  | 424.0  | 423.4  | 422.8  |
| 115°   | 495.7  | 495.5  | 494.9  | 494.1  | 493.3  | 492.4  | 491.6  |
| 117.5° | 562.0  | 561.3  | 560.5  | 559.7  | 558.9  | 558.1  | 557.3  |
| 120°   | 607.2  | 607.2  | 606.7  | 605.9  | 605.1  | 604.3  | 603.5  |
| 122.5° | 652.4  | 651.8  | 651.1  | 650.5  | 650.0  | 649.3  | 648.7  |
| 125°   | 720.2  | 719.4  | 718.9  | 718.6  | 718.4  | 718.1  | 717.8  |
| 127.5° | 786.1  | 785.1  | 784.2  | 783.3  | 782.4  | 781.6  | 780.7  |
| 130°   | 831.7  | 831.1  | 830.3  | 829.2  | 828.2  | 827.0  | 826.0  |
| 132.5° | 875.0  | 873.8  | 872.7  | 871.9  | 871.0  | 870.1  | 869.2  |
| 135°   | 940.7  | 940.4  | 939.9  | 939.1  | 938.2  | 937.4  | 936.6  |
| 137.5° | 1002.8 | 1002.6 | 1001.9 | 1000.9 | 999.7  | 998.7  | 997.5  |
| 140°   | 1044.7 | 1044.7 | 1044.2 | 1043.1 | 1042.0 | 1040.9 | 1039.8 |
| 142.5° | 1082.8 | 1083.0 | 1082.6 | 1081.5 | 1080.4 | 1079.3 | 1078.2 |
| 145°   | 1140.2 | 1140.4 | 1140.0 | 1139.0 | 1137.9 | 1136.8 | 1135.7 |
| 147.5° | 1190.8 | 1191.5 | 1191.2 | 1190.2 | 1189.1 | 1188.1 | 1187.1 |
| 150°   | 1222.9 | 1223.8 | 1223.8 | 1222.9 | 1222.1 | 1221.3 | 1220.5 |
| 152.5° | 1255.1 | 1256.1 | 1256.1 | 1255.1 | 1254.0 | 1253.0 | 1252.0 |
| 155°   | 1295.9 | 1297.2 | 1297.5 | 1296.7 | 1295.9 | 1295.1 | 1294.3 |
| 157.5° | 1333.7 | 1335.6 | 1335.9 | 1334.6 | 1333.3 | 1332.0 | 1330.6 |
| 160°   | 1355.7 | 1357.3 | 1357.6 | 1356.5 | 1355.4 | 1354.4 | 1353.2 |
| 162.5° | 1376.1 | 1377.9 | 1378.2 | 1376.9 | 1375.6 | 1374.3 | 1372.9 |
| 165°   | 1402.0 | 1403.9 | 1404.2 | 1402.8 | 1401.5 | 1400.1 | 1398.7 |
| 167.5° | 1423.4 | 1425.3 | 1425.6 | 1424.2 | 1422.7 | 1421.3 | 1419.8 |
| 170°   | 1435.2 | 1437.1 | 1437.2 | 1435.6 | 1433.9 | 1432.3 | 1430.7 |
| 172.5° | 1444.1 | 1445.9 | 1446.1 | 1444.5 | 1442.8 | 1441.2 | 1439.6 |
| 175°   | 1453.6 | 1455.6 | 1455.7 | 1454.0 | 1452.4 | 1450.7 | 1449.1 |
| 177.5° | 1457.5 | 1458.8 | 1458.8 | 1457.5 | 1456.2 | 1454.8 | 1453.5 |
| 180°   | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 | 1456.5 |

(END OF REPORT)