

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: P332716-940

Luminaire Tested: **S124DIW-S350D470U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332716-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124DIW-S350D470U940-4F0-1E-UDD-A1  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 470 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2856.7 lumens  
Efficiency: N/A  
Efficacy: 124.2 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: General Diffuse

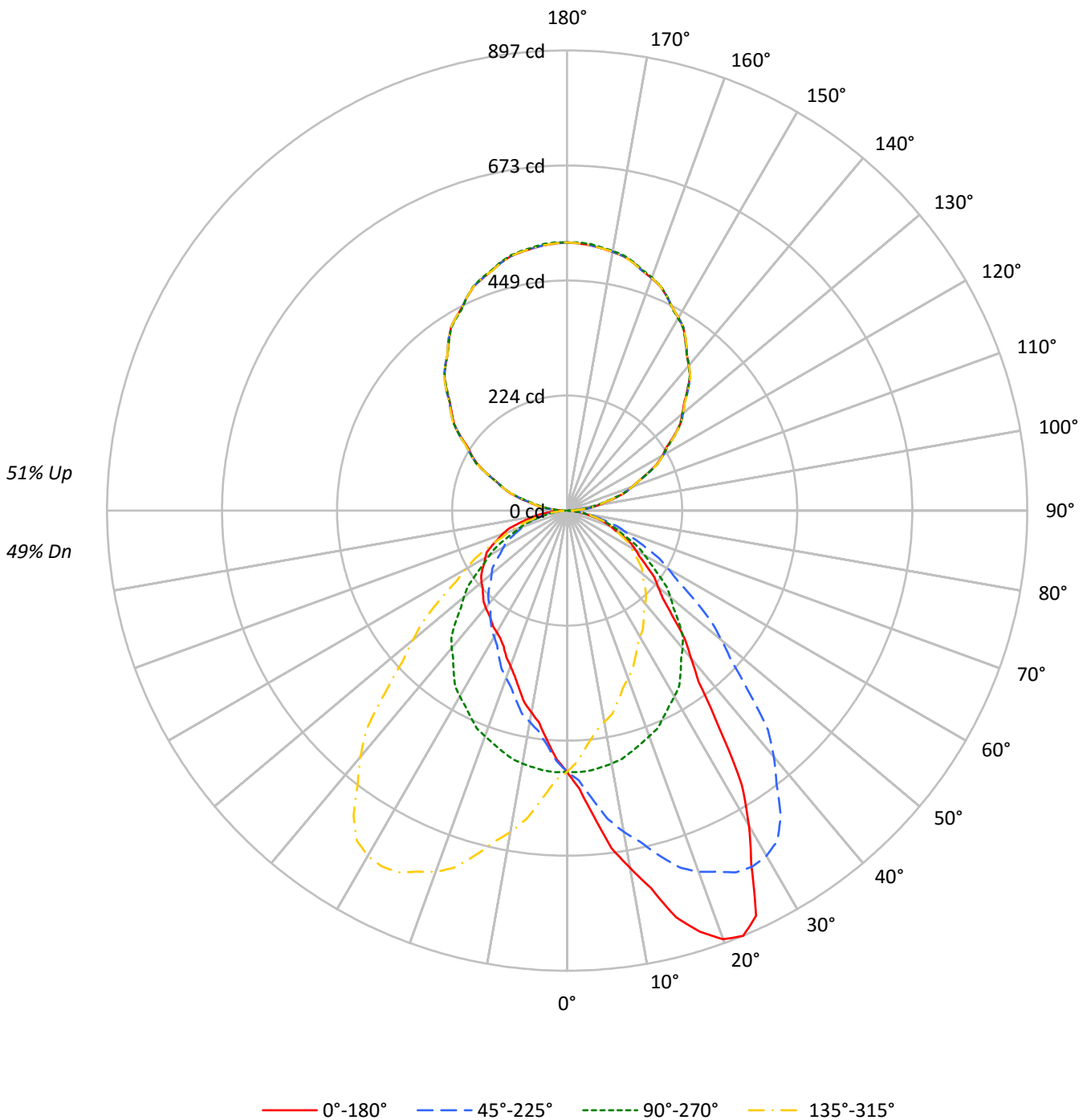
Input Watts (W): 23  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P332716-940

CATALOG NUMBER: S124DIW-S350D470U940-4F0-1E-UDD-A1

### Luminous Intensity Polar Plot





TEST NUMBER: P332716-940

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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   | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 83 | 83 | 83 | 69 | 69 | 69 | 55 | 55 | 55 | 49 |
| 1   | 98  | 94  | 90  | 86  | 90 | 86 | 83 | 80 | 73 | 71 | 68 | 61 | 59 | 58 | 49 | 48 | 47 | 42 |
| 2   | 89  | 82  | 76  | 71  | 82 | 76 | 71 | 66 | 64 | 60 | 57 | 54 | 51 | 48 | 44 | 42 | 40 | 35 |
| 3   | 82  | 72  | 65  | 59  | 75 | 67 | 61 | 56 | 57 | 52 | 48 | 48 | 44 | 41 | 39 | 36 | 34 | 30 |
| 4   | 75  | 64  | 56  | 50  | 69 | 59 | 53 | 47 | 51 | 45 | 41 | 42 | 39 | 35 | 35 | 32 | 30 | 26 |
| 5   | 69  | 57  | 49  | 43  | 63 | 53 | 46 | 41 | 45 | 40 | 36 | 38 | 34 | 31 | 32 | 29 | 26 | 23 |
| 6   | 63  | 51  | 43  | 38  | 58 | 48 | 41 | 35 | 41 | 35 | 31 | 35 | 30 | 27 | 29 | 26 | 23 | 20 |
| 7   | 59  | 46  | 39  | 33  | 54 | 43 | 36 | 31 | 37 | 32 | 28 | 32 | 27 | 24 | 26 | 23 | 21 | 18 |
| 8   | 54  | 42  | 34  | 29  | 50 | 39 | 32 | 28 | 34 | 28 | 25 | 29 | 25 | 21 | 24 | 21 | 18 | 16 |
| 9   | 51  | 38  | 31  | 26  | 47 | 36 | 29 | 25 | 31 | 26 | 22 | 27 | 22 | 19 | 22 | 19 | 17 | 15 |
| 10  | 47  | 35  | 28  | 23  | 44 | 33 | 27 | 22 | 29 | 23 | 20 | 25 | 20 | 17 | 21 | 17 | 15 | 13 |

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

|     | 0°   | 90°  | 180° | 270° |
|-----|------|------|------|------|
| 0°  | 4112 | 4112 | 4112 | 4112 |
| 5°  | 4843 | 4123 | 3639 | 4123 |
| 10° | 5799 | 4105 | 3277 | 4105 |
| 15° | 6861 | 4064 | 3010 | 4064 |
| 20° | 7640 | 4021 | 2770 | 4021 |
| 25° | 7764 | 3958 | 2605 | 3958 |
| 30° | 6605 | 3899 | 2553 | 3899 |
| 35° | 5078 | 3802 | 2553 | 3802 |
| 40° | 3959 | 3687 | 2602 | 3687 |
| 45° | 3301 | 3515 | 2646 | 3515 |
| 50° | 2905 | 3304 | 2735 | 3304 |
| 55° | 2662 | 3054 | 2846 | 3054 |
| 60° | 2493 | 2827 | 2977 | 2827 |
| 65° | 2321 | 2575 | 3089 | 2575 |
| 70° | 2122 | 2325 | 3158 | 2325 |
| 75° | 1896 | 2046 | 3119 | 2046 |
| 80° | 1590 | 1678 | 3022 | 1678 |
| 85° | 1176 | 1213 | 2890 | 1213 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 49.6   | 1.7       |
| 10°-20°   | 153.0  | 5.4       |
| 20°-30°   | 242.6  | 8.5       |
| 30°-40°   | 270.0  | 9.5       |
| 40°-50°   | 245.7  | 8.6       |
| 50°-60°   | 200.8  | 7.0       |
| 60°-70°   | 143.4  | 5.0       |
| 70°-80°   | 78.9   | 2.8       |
| 80°-90°   | 23.1   | 0.8       |
| 90°-100°  | 34.5   | 1.2       |
| 100°-110° | 102.1  | 3.6       |
| 110°-120° | 173.3  | 6.1       |
| 120°-130° | 228.5  | 8.0       |
| 130°-140° | 256.6  | 9.0       |
| 140°-150° | 252.1  | 8.8       |
| 150°-160° | 212.1  | 7.4       |
| 160°-170° | 141.1  | 4.9       |
| 170°-180° | 49.4   | 1.7       |
| 0°-30°    | 445.2  | 15.6      |
| 0°-40°    | 715.2  | 25.0      |
| 0°-60°    | 1161.7 | 40.7      |
| 0°-90°    | 1407.2 | 49.3      |
| 90°-120°  | 309.8  | 10.8      |
| 90°-150°  | 1047.0 | 36.6      |
| 90°-180°  | 1450.0 | 50.8      |
| 0°-180°   | 2856.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0°   | 509 | 509 | 509  | 509  | 509  |      |
| 5°   | 598 | 509 | 449  | 509  | 598  | 61   |
| 15°  | 821 | 486 | 360  | 486  | 821  | 232  |
| 25°  | 872 | 444 | 292  | 444  | 872  | 384  |
| 35°  | 515 | 386 | 259  | 386  | 515  | 327  |
| 45°  | 289 | 308 | 232  | 308  | 289  | 228  |
| 55°  | 189 | 217 | 202  | 217  | 189  | 171  |
| 65°  | 122 | 135 | 162  | 135  | 122  | 120  |
| 75°  | 61  | 66  | 100  | 66   | 61   | 65   |
| 85°  | 13  | 13  | 31   | 13   | 13   | 16   |
| 90°  | 12  | 1   | 12   | 1    | 12   | 7    |
| 95°  | 32  | 24  | 32   | 24   | 32   | 33   |
| 105° | 99  | 94  | 99   | 94   | 99   | 104  |
| 115° | 175 | 176 | 175  | 176  | 175  | 173  |
| 125° | 255 | 256 | 255  | 256  | 255  | 227  |
| 135° | 331 | 331 | 331  | 331  | 331  | 256  |
| 145° | 402 | 402 | 402  | 402  | 402  | 252  |
| 155° | 460 | 461 | 460  | 461  | 460  | 212  |
| 165° | 500 | 501 | 500  | 501  | 500  | 141  |
| 175° | 519 | 522 | 519  | 522  | 519  | 49   |
| 180° | 522 | 522 | 522  | 522  | 522  |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 |
| 2.5°   | 542.2 | 542.1 | 540.4 | 540.0 | 538.9 | 537.3 | 537.0 | 534.2 | 528.9 | 526.3 | 525.7 |
| 5°     | 597.6 | 601.9 | 596.4 | 595.3 | 594.7 | 587.7 | 584.2 | 580.0 | 570.2 | 564.5 | 560.1 |
| 7.5°   | 663.9 | 664.3 | 661.9 | 660.0 | 654.6 | 648.5 | 639.4 | 629.7 | 618.1 | 606.2 | 597.1 |
| 10°    | 707.4 | 709.1 | 706.3 | 706.0 | 695.2 | 688.4 | 674.9 | 663.5 | 650.4 | 635.9 | 622.6 |
| 12.5°  | 753.3 | 751.0 | 749.6 | 740.6 | 738.5 | 726.2 | 710.5 | 698.8 | 678.6 | 661.8 | 644.2 |
| 15°    | 820.9 | 816.3 | 813.3 | 800.9 | 794.8 | 777.7 | 761.0 | 748.1 | 721.8 | 696.6 | 677.6 |
| 17.5°  | 860.6 | 865.2 | 858.4 | 853.3 | 837.5 | 825.5 | 808.4 | 781.4 | 760.8 | 729.6 | 705.6 |
| 20°    | 889.3 | 889.7 | 885.9 | 880.7 | 868.3 | 853.0 | 834.5 | 804.9 | 780.2 | 749.2 | 716.2 |
| 22.5°  | 897.1 | 897.2 | 895.5 | 890.6 | 881.2 | 868.9 | 850.2 | 825.5 | 795.6 | 761.9 | 728.9 |
| 25°    | 871.6 | 870.8 | 872.6 | 878.2 | 874.6 | 870.8 | 860.0 | 841.6 | 813.8 | 778.1 | 742.6 |
| 27.5°  | 776.9 | 782.7 | 793.4 | 806.9 | 819.9 | 829.8 | 832.6 | 828.8 | 811.6 | 782.3 | 745.1 |
| 30°    | 708.6 | 715.9 | 723.9 | 737.4 | 763.6 | 778.6 | 795.0 | 807.4 | 800.5 | 777.0 | 742.4 |
| 32.5°  | 633.7 | 635.5 | 647.4 | 662.7 | 686.7 | 715.5 | 741.6 | 767.0 | 775.3 | 763.0 | 734.1 |
| 35°    | 515.3 | 518.4 | 531.2 | 546.4 | 575.7 | 611.0 | 650.2 | 685.3 | 714.2 | 725.8 | 711.0 |
| 37.5°  | 420.5 | 429.0 | 438.1 | 454.4 | 480.3 | 512.0 | 552.8 | 598.2 | 641.2 | 670.1 | 675.0 |
| 40°    | 375.7 | 380.9 | 387.4 | 399.9 | 421.9 | 453.1 | 488.1 | 540.0 | 585.9 | 627.2 | 640.7 |
| 42.5°  | 340.2 | 343.3 | 347.3 | 358.6 | 375.2 | 406.4 | 438.4 | 484.0 | 529.9 | 579.4 | 602.1 |
| 45°    | 289.1 | 292.3 | 299.1 | 305.6 | 318.3 | 339.7 | 369.5 | 407.1 | 453.3 | 501.0 | 542.8 |
| 47.5°  | 252.3 | 254.2 | 258.2 | 265.3 | 276.1 | 290.3 | 314.4 | 345.8 | 388.6 | 435.0 | 479.5 |
| 50°    | 231.3 | 233.0 | 236.1 | 242.5 | 250.7 | 263.4 | 283.2 | 312.5 | 346.1 | 392.7 | 436.4 |
| 52.5°  | 214.7 | 215.4 | 217.8 | 222.0 | 228.6 | 239.2 | 255.6 | 279.8 | 311.0 | 352.6 | 396.1 |
| 55°    | 189.1 | 189.9 | 192.1 | 195.2 | 200.9 | 207.7 | 220.1 | 238.3 | 265.5 | 301.6 | 339.4 |
| 57.5°  | 168.0 | 168.6 | 170.3 | 171.6 | 176.3 | 181.7 | 191.4 | 204.3 | 224.9 | 255.6 | 289.3 |
| 60°    | 154.4 | 154.1 | 156.1 | 157.2 | 160.4 | 165.1 | 172.5 | 184.9 | 202.8 | 227.5 | 258.5 |
| 62.5°  | 141.3 | 140.7 | 142.5 | 143.9 | 145.7 | 149.6 | 155.7 | 165.4 | 180.0 | 202.3 | 229.2 |
| 65°    | 121.5 | 120.7 | 121.8 | 123.5 | 125.1 | 127.2 | 131.7 | 140.4 | 151.9 | 168.0 | 188.4 |
| 67.5°  | 101.7 | 102.6 | 102.8 | 103.6 | 104.6 | 107.5 | 110.5 | 116.6 | 124.8 | 137.7 | 155.0 |
| 70°    | 89.9  | 90.2  | 91.0  | 91.0  | 91.6  | 94.2  | 96.7  | 100.2 | 108.3 | 120.1 | 134.2 |
| 72.5°  | 78.1  | 79.0  | 78.6  | 79.3  | 79.8  | 81.5  | 83.3  | 86.8  | 93.5  | 102.4 | 114.3 |
| 75°    | 60.8  | 61.4  | 61.4  | 61.6  | 62.2  | 62.9  | 64.4  | 66.9  | 71.8  | 78.3  | 86.5  |
| 77.5°  | 44.3  | 44.4  | 44.7  | 45.5  | 45.5  | 46.5  | 47.5  | 49.6  | 52.0  | 56.4  | 61.5  |
| 80°    | 34.2  | 34.6  | 34.4  | 34.9  | 34.9  | 35.7  | 36.1  | 38.6  | 39.7  | 42.6  | 46.6  |
| 82.5°  | 25.1  | 25.5  | 25.4  | 26.0  | 26.4  | 26.6  | 27.1  | 28.2  | 29.2  | 31.8  | 33.4  |
| 85°    | 12.7  | 13.1  | 12.7  | 13.1  | 13.7  | 13.9  | 14.5  | 14.8  | 15.6  | 16.2  | 17.7  |
| 87.5°  | 6.2   | 6.6   | 6.6   | 6.7   | 7.0   | 7.1   | 7.1   | 6.9   | 7.5   | 7.5   | 8.0   |
| 90°    | 12.1  | 11.9  | 11.8  | 11.6  | 11.4  | 11.1  | 10.5  | 10.0  | 9.5   | 8.9   | 8.2   |
| 92.5°  | 17.9  | 17.8  | 17.7  | 17.7  | 17.5  | 17.3  | 16.9  | 16.7  | 16.3  | 16.0  | 15.5  |
| 95°    | 31.9  | 31.9  | 31.9  | 31.9  | 31.9  | 31.7  | 31.5  | 31.2  | 30.9  | 30.7  | 30.1  |
| 97.5°  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 49.8  | 49.6  | 49.2  | 48.9  | 48.6  | 47.8  |
| 100°   | 62.6  | 62.6  | 62.6  | 62.6  | 62.6  | 62.5  | 62.3  | 62.2  | 62.0  | 61.8  | 61.0  |
| 102.5° | 76.9  | 76.8  | 76.7  | 76.6  | 76.6  | 76.4  | 76.2  | 75.9  | 75.6  | 75.4  | 74.6  |
| 105°   | 98.6  | 98.4  | 98.1  | 97.8  | 97.6  | 97.3  | 97.0  | 96.8  | 96.4  | 96.1  | 95.8  |
| 107.5° | 119.8 | 119.8 | 119.8 | 119.8 | 119.8 | 119.8 | 119.5 | 119.2 | 119.0 | 118.7 | 118.7 |
| 110°   | 134.9 | 134.6 | 134.4 | 134.1 | 133.8 | 133.8 | 134.0 | 134.2 | 134.4 | 134.6 | 134.6 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 150.4 | 150.4 | 150.3 | 150.3 | 150.3 | 150.3 | 150.3 | 150.3 | 150.3 | 150.4 | 150.5 |
| 115°   | 174.6 | 174.7 | 174.8 | 174.9 | 175.0 | 175.0 | 175.1 | 175.2 | 175.3 | 175.4 | 175.6 |
| 117.5° | 197.5 | 197.7 | 197.9 | 198.0 | 198.2 | 198.5 | 198.8 | 199.1 | 199.4 | 199.7 | 199.8 |
| 120°   | 215.0 | 214.8 | 214.6 | 214.5 | 214.3 | 214.4 | 214.8 | 215.3 | 215.7 | 216.2 | 216.4 |
| 122.5° | 229.5 | 229.8 | 230.2 | 230.5 | 230.8 | 231.1 | 231.4 | 231.8 | 232.0 | 232.4 | 232.5 |
| 125°   | 254.6 | 254.8 | 254.9 | 255.1 | 255.3 | 255.5 | 255.7 | 255.8 | 256.0 | 256.2 | 256.3 |
| 127.5° | 277.8 | 277.9 | 278.0 | 278.2 | 278.3 | 278.5 | 278.7 | 278.8 | 279.0 | 279.2 | 279.4 |
| 130°   | 292.9 | 293.3 | 293.6 | 294.0 | 294.4 | 294.6 | 294.8 | 295.0 | 295.2 | 295.3 | 295.3 |
| 132.5° | 309.2 | 309.2 | 309.4 | 309.5 | 309.7 | 309.9 | 310.0 | 310.2 | 310.4 | 310.6 | 310.7 |
| 135°   | 331.4 | 331.6 | 331.9 | 332.2 | 332.4 | 332.6 | 332.8 | 333.0 | 333.1 | 333.3 | 333.3 |
| 137.5° | 354.7 | 354.6 | 354.5 | 354.5 | 354.5 | 354.5 | 354.8 | 355.0 | 355.3 | 355.5 | 355.3 |
| 140°   | 368.9 | 369.0 | 369.1 | 369.2 | 369.3 | 369.3 | 369.4 | 369.5 | 369.6 | 369.7 | 369.7 |
| 142.5° | 383.2 | 383.2 | 383.2 | 383.2 | 383.2 | 383.3 | 383.3 | 383.3 | 383.3 | 383.3 | 383.3 |
| 145°   | 402.4 | 402.7 | 403.0 | 403.2 | 403.5 | 403.7 | 403.8 | 403.9 | 403.9 | 404.0 | 403.9 |
| 147.5° | 422.0 | 422.1 | 422.2 | 422.3 | 422.4 | 422.5 | 422.5 | 422.6 | 422.7 | 422.8 | 422.8 |
| 150°   | 434.0 | 434.1 | 434.2 | 434.3 | 434.4 | 434.4 | 434.4 | 434.4 | 434.4 | 434.4 | 434.4 |
| 152.5° | 445.0 | 445.2 | 445.4 | 445.7 | 445.9 | 445.9 | 445.7 | 445.5 | 445.2 | 445.1 | 445.0 |
| 155°   | 460.2 | 460.6 | 460.9 | 461.3 | 461.6 | 461.6 | 461.3 | 460.9 | 460.6 | 460.2 | 460.3 |
| 157.5° | 473.9 | 474.2 | 474.5 | 474.8 | 475.1 | 475.1 | 474.8 | 474.6 | 474.3 | 474.0 | 474.0 |
| 160°   | 481.6 | 482.1 | 482.6 | 483.0 | 483.5 | 483.6 | 483.3 | 483.0 | 482.8 | 482.5 | 482.6 |
| 162.5° | 489.7 | 490.2 | 490.6 | 491.1 | 491.5 | 491.5 | 491.1 | 490.5 | 490.1 | 489.5 | 489.6 |
| 165°   | 500.2 | 500.6 | 501.0 | 501.3 | 501.7 | 501.6 | 501.1 | 500.5 | 500.0 | 499.4 | 499.6 |
| 167.5° | 507.7 | 508.3 | 508.9 | 509.4 | 510.0 | 510.0 | 509.4 | 508.9 | 508.4 | 507.8 | 507.8 |
| 170°   | 511.9 | 512.6 | 513.2 | 513.8 | 514.4 | 514.5 | 514.0 | 513.4 | 512.9 | 512.4 | 512.3 |
| 172.5° | 515.5 | 516.1 | 516.7 | 517.4 | 518.0 | 518.0 | 517.5 | 516.8 | 516.2 | 515.6 | 515.6 |
| 175°   | 519.2 | 519.9 | 520.5 | 521.1 | 521.7 | 521.7 | 521.1 | 520.5 | 519.9 | 519.2 | 519.3 |
| 177.5° | 521.2 | 521.7 | 522.4 | 522.9 | 523.4 | 523.5 | 523.0 | 522.5 | 522.0 | 521.5 | 521.5 |
| 180°   | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 |
| 2.5°   | 525.8 | 523.4 | 521.7 | 520.4 | 516.7 | 514.5 | 512.8 | 510.5 | 507.7 | 504.9 | 501.3 |
| 5°     | 555.6 | 548.5 | 543.2 | 535.2 | 527.6 | 521.3 | 514.7 | 508.8 | 501.7 | 493.8 | 488.1 |
| 7.5°   | 587.0 | 576.3 | 562.7 | 550.8 | 537.4 | 525.8 | 515.5 | 504.9 | 493.8 | 483.0 | 473.2 |
| 10°    | 607.0 | 593.3 | 578.0 | 560.1 | 543.2 | 528.2 | 514.3 | 500.8 | 487.7 | 474.7 | 463.4 |
| 12.5°  | 628.4 | 611.3 | 588.8 | 567.8 | 548.9 | 528.9 | 512.1 | 495.5 | 479.7 | 466.0 | 453.0 |
| 15°    | 657.2 | 632.5 | 606.5 | 578.5 | 553.6 | 530.1 | 507.1 | 486.2 | 468.5 | 450.3 | 437.7 |
| 17.5°  | 674.8 | 644.3 | 614.7 | 585.3 | 555.2 | 525.6 | 500.8 | 476.7 | 454.5 | 436.5 | 420.5 |
| 20°    | 686.5 | 656.1 | 619.2 | 589.9 | 554.0 | 523.6 | 494.9 | 468.1 | 444.9 | 425.7 | 409.2 |
| 22.5°  | 696.6 | 661.6 | 624.6 | 585.9 | 550.3 | 518.0 | 486.6 | 459.7 | 436.0 | 415.7 | 399.9 |
| 25°    | 702.1 | 661.8 | 621.7 | 583.3 | 542.8 | 504.6 | 476.1 | 444.4 | 419.1 | 397.8 | 380.9 |
| 27.5°  | 702.8 | 659.6 | 614.2 | 571.6 | 529.8 | 494.2 | 458.3 | 429.9 | 403.7 | 381.1 | 364.9 |
| 30°    | 700.9 | 655.9 | 607.2 | 561.0 | 519.0 | 480.4 | 449.1 | 418.3 | 391.5 | 369.1 | 352.2 |
| 32.5°  | 694.9 | 648.2 | 598.1 | 549.1 | 505.6 | 467.8 | 435.6 | 406.3 | 380.1 | 358.1 | 340.4 |
| 35°    | 677.9 | 631.6 | 578.3 | 527.4 | 482.9 | 444.7 | 415.5 | 385.8 | 359.6 | 338.8 | 321.6 |
| 37.5°  | 651.1 | 609.4 | 555.1 | 502.5 | 458.7 | 420.4 | 391.5 | 364.6 | 341.0 | 319.8 | 302.3 |
| 40°    | 627.9 | 591.1 | 536.6 | 485.4 | 438.1 | 401.6 | 374.6 | 349.9 | 326.5 | 306.4 | 289.7 |
| 42.5°  | 601.0 | 569.0 | 518.8 | 464.5 | 418.8 | 382.2 | 355.9 | 333.7 | 311.7 | 293.1 | 276.4 |
| 45°    | 553.1 | 532.0 | 484.7 | 434.5 | 387.0 | 352.4 | 327.3 | 307.9 | 289.4 | 271.2 | 257.3 |
| 47.5°  | 498.1 | 487.6 | 447.8 | 400.1 | 355.1 | 320.9 | 299.2 | 281.2 | 264.9 | 249.6 | 237.3 |
| 50°    | 461.1 | 456.0 | 421.7 | 375.7 | 332.6 | 300.5 | 278.6 | 263.1 | 249.2 | 235.8 | 224.1 |
| 52.5°  | 424.6 | 424.5 | 393.4 | 351.3 | 311.5 | 280.6 | 258.8 | 244.4 | 232.4 | 221.4 | 211.0 |
| 55°    | 368.9 | 374.8 | 350.5 | 313.0 | 277.3 | 249.4 | 229.8 | 217.0 | 208.5 | 199.5 | 191.6 |
| 57.5°  | 317.7 | 327.5 | 307.5 | 274.4 | 244.6 | 219.0 | 201.9 | 192.3 | 183.2 | 177.7 | 172.0 |
| 60°    | 284.3 | 293.6 | 277.9 | 250.1 | 222.0 | 200.1 | 183.8 | 175.1 | 167.4 | 163.5 | 159.5 |
| 62.5°  | 254.6 | 262.8 | 251.3 | 225.4 | 201.1 | 179.9 | 166.2 | 157.9 | 152.7 | 148.6 | 145.9 |
| 65°    | 212.1 | 219.1 | 209.1 | 190.4 | 169.4 | 152.6 | 141.4 | 134.8 | 129.8 | 128.1 | 125.1 |
| 67.5°  | 171.5 | 177.8 | 172.5 | 156.5 | 139.7 | 126.9 | 118.2 | 111.9 | 108.9 | 107.5 | 105.3 |
| 70°    | 147.3 | 153.6 | 147.9 | 134.0 | 121.1 | 110.4 | 102.1 | 98.5  | 95.4  | 94.8  | 91.8  |
| 72.5°  | 126.9 | 131.2 | 125.5 | 114.6 | 103.6 | 94.5  | 88.1  | 84.4  | 82.8  | 81.6  | 80.0  |
| 75°    | 95.1  | 99.0  | 95.1  | 86.8  | 78.9  | 72.6  | 67.1  | 65.6  | 63.8  | 63.1  | 62.1  |
| 77.5°  | 67.3  | 70.6  | 67.8  | 62.5  | 56.6  | 51.7  | 48.8  | 46.9  | 46.5  | 45.4  | 45.9  |
| 80°    | 51.5  | 53.6  | 50.8  | 47.3  | 42.6  | 39.2  | 37.2  | 36.1  | 34.9  | 34.4  | 35.2  |
| 82.5°  | 37.0  | 37.9  | 36.5  | 34.1  | 30.7  | 28.4  | 27.0  | 25.8  | 25.5  | 25.6  | 25.6  |
| 85°    | 19.2  | 19.0  | 18.8  | 16.7  | 15.6  | 14.2  | 13.3  | 13.1  | 12.8  | 13.3  | 13.7  |
| 87.5°  | 7.9   | 7.9   | 7.6   | 6.8   | 6.1   | 5.4   | 5.0   | 4.6   | 5.0   | 5.4   | 5.7   |
| 90°    | 7.5   | 6.8   | 6.0   | 5.2   | 4.2   | 3.2   | 2.2   | 1.2   | 2.2   | 3.2   | 4.2   |
| 92.5°  | 15.0  | 14.5  | 14.0  | 13.2  | 12.0  | 10.9  | 9.8   | 8.6   | 9.8   | 10.9  | 12.0  |
| 95°    | 29.4  | 28.8  | 28.2  | 27.5  | 26.7  | 25.9  | 25.1  | 24.3  | 25.1  | 25.9  | 26.7  |
| 97.5°  | 47.1  | 46.4  | 45.7  | 44.9  | 44.3  | 43.6  | 43.0  | 42.4  | 43.0  | 43.6  | 44.3  |
| 100°   | 60.2  | 59.4  | 58.6  | 58.1  | 57.6  | 57.2  | 56.9  | 56.5  | 56.9  | 57.2  | 57.6  |
| 102.5° | 73.9  | 73.2  | 72.5  | 72.1  | 71.9  | 71.7  | 71.6  | 71.4  | 71.6  | 71.7  | 71.9  |
| 105°   | 95.4  | 95.1  | 94.7  | 94.5  | 94.4  | 94.3  | 94.3  | 94.2  | 94.3  | 94.3  | 94.4  |
| 107.5° | 118.6 | 118.6 | 118.5 | 118.4 | 118.3 | 118.2 | 118.1 | 118.0 | 118.1 | 118.2 | 118.3 |
| 110°   | 134.7 | 134.8 | 134.9 | 134.8 | 134.6 | 134.5 | 134.3 | 134.1 | 134.3 | 134.5 | 134.6 |





TEST NUMBER: P332716-940

CATALOG NUMBER: S124DIW-S350D470U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 150.7 | 150.9 | 151.1 | 151.1 | 151.1 | 151.1 | 151.0 | 151.0 | 151.0 | 151.1 | 151.1 |
| 115°   | 175.8 | 175.9 | 176.1 | 176.2 | 176.2 | 176.2 | 176.2 | 176.2 | 176.2 | 176.2 | 176.2 |
| 117.5° | 199.9 | 200.1 | 200.2 | 200.2 | 200.2 | 200.1 | 200.0 | 199.9 | 200.0 | 200.1 | 200.2 |
| 120°   | 216.7 | 217.0 | 217.2 | 217.2 | 216.9 | 216.5 | 216.2 | 215.8 | 216.2 | 216.5 | 216.9 |
| 122.5° | 232.6 | 232.7 | 232.8 | 232.8 | 232.6 | 232.6 | 232.4 | 232.3 | 232.4 | 232.6 | 232.6 |
| 125°   | 256.4 | 256.5 | 256.5 | 256.5 | 256.5 | 256.5 | 256.5 | 256.5 | 256.5 | 256.5 | 256.5 |
| 127.5° | 279.5 | 279.6 | 279.8 | 279.7 | 279.5 | 279.2 | 278.9 | 278.7 | 278.9 | 279.2 | 279.5 |
| 130°   | 295.3 | 295.3 | 295.3 | 295.2 | 295.0 | 294.7 | 294.4 | 294.2 | 294.4 | 294.7 | 295.0 |
| 132.5° | 310.7 | 310.8 | 310.9 | 310.8 | 310.6 | 310.4 | 310.2 | 310.0 | 310.2 | 310.4 | 310.6 |
| 135°   | 333.3 | 333.3 | 333.3 | 333.1 | 332.5 | 332.0 | 331.4 | 330.9 | 331.4 | 332.0 | 332.5 |
| 137.5° | 355.3 | 355.1 | 354.9 | 354.7 | 354.5 | 354.2 | 354.0 | 353.7 | 354.0 | 354.2 | 354.5 |
| 140°   | 369.7 | 369.7 | 369.7 | 369.6 | 369.4 | 369.3 | 369.1 | 368.9 | 369.1 | 369.3 | 369.4 |
| 142.5° | 383.4 | 383.5 | 383.6 | 383.5 | 383.3 | 383.2 | 383.0 | 382.8 | 383.0 | 383.2 | 383.3 |
| 145°   | 403.9 | 403.8 | 403.7 | 403.5 | 403.1 | 402.8 | 402.4 | 402.1 | 402.4 | 402.8 | 403.1 |
| 147.5° | 422.8 | 422.9 | 423.0 | 422.8 | 422.4 | 422.0 | 421.5 | 421.2 | 421.5 | 422.0 | 422.4 |
| 150°   | 434.4 | 434.4 | 434.4 | 434.2 | 433.8 | 433.5 | 433.1 | 432.7 | 433.1 | 433.5 | 433.8 |
| 152.5° | 444.9 | 444.8 | 444.8 | 444.6 | 444.4 | 444.2 | 444.0 | 443.7 | 444.0 | 444.2 | 444.4 |
| 155°   | 460.4 | 460.5 | 460.6 | 460.7 | 460.7 | 460.7 | 460.7 | 460.7 | 460.7 | 460.7 | 460.7 |
| 157.5° | 474.1 | 474.1 | 474.1 | 474.2 | 474.4 | 474.6 | 474.7 | 474.8 | 474.7 | 474.6 | 474.4 |
| 160°   | 482.7 | 482.8 | 482.9 | 483.0 | 483.0 | 483.1 | 483.2 | 483.3 | 483.2 | 483.1 | 483.0 |
| 162.5° | 489.7 | 489.8 | 489.9 | 490.1 | 490.4 | 490.5 | 490.8 | 491.1 | 490.8 | 490.5 | 490.4 |
| 165°   | 499.8 | 500.0 | 500.2 | 500.3 | 500.6 | 500.9 | 501.1 | 501.4 | 501.1 | 500.9 | 500.6 |
| 167.5° | 507.8 | 507.7 | 507.7 | 507.9 | 508.4 | 508.7 | 509.1 | 509.4 | 509.1 | 508.7 | 508.4 |
| 170°   | 512.2 | 512.1 | 512.0 | 512.2 | 512.6 | 513.1 | 513.5 | 514.0 | 513.5 | 513.1 | 512.6 |
| 172.5° | 515.6 | 515.5 | 515.5 | 515.7 | 516.1 | 516.5 | 516.8 | 517.2 | 516.8 | 516.5 | 516.1 |
| 175°   | 519.4 | 519.5 | 519.6 | 519.9 | 520.3 | 520.8 | 521.2 | 521.7 | 521.2 | 520.8 | 520.3 |
| 177.5° | 521.5 | 521.5 | 521.5 | 521.7 | 522.0 | 522.4 | 522.7 | 523.1 | 522.7 | 522.4 | 522.0 |
| 180°   | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 |



TEST NUMBER: P332716-940

CATALOG NUMBER: S124DIW-S350D470U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 |
| 2.5°   | 499.6 | 498.1 | 496.0 | 492.9 | 490.4 | 487.7 | 487.0 | 486.0 | 488.0 | 486.3 | 485.8 |
| 5°     | 483.3 | 478.8 | 473.1 | 466.6 | 462.8 | 457.4 | 456.3 | 454.1 | 452.0 | 451.8 | 449.7 |
| 7.5°   | 465.9 | 459.4 | 451.9 | 445.3 | 439.2 | 433.1 | 429.2 | 428.4 | 425.3 | 423.4 | 421.3 |
| 10°    | 454.8 | 446.7 | 438.1 | 431.8 | 424.6 | 418.3 | 413.8 | 411.3 | 409.2 | 406.9 | 404.7 |
| 12.5°  | 441.7 | 433.1 | 426.0 | 419.1 | 410.6 | 405.8 | 398.5 | 394.1 | 393.7 | 393.7 | 388.3 |
| 15°    | 426.3 | 417.9 | 406.9 | 397.2 | 392.5 | 383.3 | 379.2 | 374.2 | 371.0 | 367.8 | 365.3 |
| 17.5°  | 408.8 | 398.2 | 389.7 | 378.5 | 369.7 | 362.3 | 357.0 | 354.0 | 349.2 | 344.7 | 341.5 |
| 20°    | 397.8 | 386.6 | 377.6 | 365.7 | 356.1 | 347.0 | 342.5 | 338.3 | 334.7 | 330.9 | 327.3 |
| 22.5°  | 386.6 | 375.0 | 363.9 | 352.4 | 343.4 | 333.8 | 329.5 | 323.8 | 320.4 | 318.3 | 314.7 |
| 25°    | 369.1 | 356.4 | 343.8 | 332.8 | 323.5 | 315.0 | 309.4 | 305.0 | 301.1 | 299.4 | 297.1 |
| 27.5°  | 350.0 | 337.4 | 325.2 | 312.7 | 302.2 | 296.0 | 291.5 | 288.2 | 286.0 | 283.7 | 282.7 |
| 30°    | 337.9 | 324.8 | 311.7 | 300.1 | 290.4 | 284.3 | 280.1 | 277.8 | 276.1 | 275.0 | 273.9 |
| 32.5°  | 325.6 | 312.6 | 298.9 | 288.3 | 279.6 | 274.1 | 270.9 | 268.6 | 267.8 | 267.4 | 267.0 |
| 35°    | 305.8 | 292.7 | 280.1 | 270.5 | 262.3 | 260.2 | 257.4 | 256.2 | 255.7 | 257.3 | 257.9 |
| 37.5°  | 286.7 | 274.6 | 262.9 | 253.7 | 248.3 | 245.2 | 244.2 | 244.3 | 245.8 | 247.1 | 248.6 |
| 40°    | 274.4 | 262.5 | 251.6 | 243.5 | 238.4 | 236.6 | 236.1 | 237.2 | 238.9 | 240.4 | 242.1 |
| 42.5°  | 262.3 | 250.7 | 240.8 | 233.3 | 229.7 | 227.9 | 228.2 | 229.3 | 231.7 | 233.4 | 235.9 |
| 45°    | 243.8 | 234.1 | 224.4 | 218.2 | 215.3 | 215.7 | 215.7 | 217.6 | 219.9 | 222.7 | 225.4 |
| 47.5°  | 226.2 | 216.4 | 208.5 | 203.3 | 201.8 | 201.4 | 202.6 | 205.1 | 208.4 | 211.8 | 215.6 |
| 50°    | 214.5 | 205.1 | 198.1 | 193.5 | 191.8 | 192.4 | 194.1 | 196.4 | 200.5 | 204.7 | 208.7 |
| 52.5°  | 202.4 | 193.9 | 187.5 | 183.2 | 182.0 | 183.2 | 184.9 | 188.5 | 192.1 | 196.6 | 201.4 |
| 55°    | 183.8 | 176.6 | 171.6 | 168.4 | 168.0 | 168.6 | 170.5 | 174.5 | 179.6 | 185.3 | 189.9 |
| 57.5°  | 165.3 | 159.3 | 154.6 | 152.5 | 152.7 | 153.3 | 156.4 | 161.1 | 166.6 | 172.6 | 178.6 |
| 60°    | 152.8 | 147.3 | 143.5 | 141.8 | 142.0 | 143.3 | 147.1 | 151.5 | 158.3 | 164.2 | 170.5 |
| 62.5°  | 141.0 | 136.2 | 132.5 | 131.0 | 130.7 | 133.5 | 137.1 | 141.7 | 148.5 | 155.1 | 161.9 |
| 65°    | 122.0 | 118.2 | 115.2 | 114.4 | 115.0 | 117.2 | 121.8 | 127.9 | 133.6 | 140.5 | 147.8 |
| 67.5°  | 103.4 | 100.3 | 98.3  | 98.6  | 99.4  | 102.5 | 106.4 | 111.6 | 118.2 | 125.4 | 132.4 |
| 70°    | 91.6  | 88.6  | 86.9  | 87.1  | 88.5  | 92.2  | 95.6  | 100.9 | 107.8 | 115.2 | 121.1 |
| 72.5°  | 79.5  | 77.5  | 76.0  | 76.9  | 78.1  | 80.7  | 85.0  | 90.2  | 96.4  | 103.3 | 109.5 |
| 75°    | 61.0  | 61.0  | 60.2  | 60.8  | 62.7  | 65.2  | 68.4  | 73.8  | 80.0  | 85.5  | 90.5  |
| 77.5°  | 45.2  | 44.8  | 45.3  | 46.1  | 47.2  | 50.2  | 53.9  | 57.8  | 62.3  | 67.9  | 72.1  |
| 80°    | 34.6  | 34.9  | 35.8  | 37.2  | 37.5  | 39.9  | 43.7  | 47.3  | 50.8  | 55.5  | 59.5  |
| 82.5°  | 26.0  | 26.2  | 26.8  | 28.4  | 28.8  | 31.3  | 33.7  | 37.3  | 40.6  | 43.7  | 47.0  |
| 85°    | 14.2  | 14.2  | 15.2  | 15.9  | 16.9  | 18.5  | 20.1  | 22.2  | 25.1  | 27.2  | 30.4  |
| 87.5°  | 6.4   | 6.6   | 7.4   | 7.9   | 8.6   | 9.5   | 10.0  | 11.9  | 12.8  | 13.7  | 15.2  |
| 90°    | 5.2   | 6.0   | 6.8   | 7.5   | 8.2   | 8.9   | 9.5   | 10.0  | 10.5  | 11.1  | 11.4  |
| 92.5°  | 13.2  | 14.0  | 14.5  | 15.0  | 15.5  | 16.0  | 16.3  | 16.7  | 16.9  | 17.3  | 17.5  |
| 95°    | 27.5  | 28.2  | 28.8  | 29.4  | 30.1  | 30.7  | 30.9  | 31.2  | 31.5  | 31.7  | 31.9  |
| 97.5°  | 44.9  | 45.7  | 46.4  | 47.1  | 47.8  | 48.6  | 48.9  | 49.2  | 49.6  | 49.8  | 50.0  |
| 100°   | 58.1  | 58.6  | 59.4  | 60.2  | 61.0  | 61.8  | 62.0  | 62.2  | 62.3  | 62.5  | 62.6  |
| 102.5° | 72.1  | 72.5  | 73.2  | 73.9  | 74.6  | 75.4  | 75.6  | 75.9  | 76.2  | 76.4  | 76.6  |
| 105°   | 94.5  | 94.7  | 95.1  | 95.4  | 95.8  | 96.1  | 96.4  | 96.8  | 97.0  | 97.3  | 97.6  |
| 107.5° | 118.4 | 118.5 | 118.6 | 118.6 | 118.7 | 118.7 | 119.0 | 119.2 | 119.5 | 119.8 | 119.8 |
| 110°   | 134.8 | 134.9 | 134.8 | 134.7 | 134.6 | 134.6 | 134.4 | 134.2 | 134.0 | 133.8 | 133.8 |



TEST NUMBER: P332716-940

CATALOG NUMBER: S124DIW-S350D470U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 151.1 | 151.1 | 150.9 | 150.7 | 150.5 | 150.4 | 150.3 | 150.3 | 150.3 | 150.3 | 150.3 |
| 115°   | 176.2 | 176.1 | 175.9 | 175.8 | 175.6 | 175.4 | 175.3 | 175.2 | 175.1 | 175.0 | 175.0 |
| 117.5° | 200.2 | 200.2 | 200.1 | 199.9 | 199.8 | 199.7 | 199.4 | 199.1 | 198.8 | 198.5 | 198.2 |
| 120°   | 217.2 | 217.2 | 217.0 | 216.7 | 216.4 | 216.2 | 215.7 | 215.3 | 214.8 | 214.4 | 214.3 |
| 122.5° | 232.8 | 232.8 | 232.7 | 232.6 | 232.5 | 232.4 | 232.0 | 231.8 | 231.4 | 231.1 | 230.8 |
| 125°   | 256.5 | 256.5 | 256.5 | 256.4 | 256.3 | 256.2 | 256.0 | 255.8 | 255.7 | 255.5 | 255.3 |
| 127.5° | 279.7 | 279.8 | 279.6 | 279.5 | 279.4 | 279.2 | 279.0 | 278.8 | 278.7 | 278.5 | 278.3 |
| 130°   | 295.2 | 295.3 | 295.3 | 295.3 | 295.3 | 295.3 | 295.2 | 295.0 | 294.8 | 294.6 | 294.4 |
| 132.5° | 310.8 | 310.9 | 310.8 | 310.7 | 310.7 | 310.6 | 310.4 | 310.2 | 310.0 | 309.9 | 309.7 |
| 135°   | 333.1 | 333.3 | 333.3 | 333.3 | 333.3 | 333.3 | 333.1 | 333.0 | 332.8 | 332.6 | 332.4 |
| 137.5° | 354.7 | 354.9 | 355.1 | 355.3 | 355.3 | 355.5 | 355.3 | 355.0 | 354.8 | 354.5 | 354.5 |
| 140°   | 369.6 | 369.7 | 369.7 | 369.7 | 369.7 | 369.7 | 369.6 | 369.5 | 369.4 | 369.3 | 369.3 |
| 142.5° | 383.5 | 383.6 | 383.5 | 383.4 | 383.3 | 383.3 | 383.3 | 383.3 | 383.3 | 383.3 | 383.2 |
| 145°   | 403.5 | 403.7 | 403.8 | 403.9 | 403.9 | 404.0 | 403.9 | 403.9 | 403.8 | 403.7 | 403.5 |
| 147.5° | 422.8 | 423.0 | 422.9 | 422.8 | 422.8 | 422.8 | 422.7 | 422.6 | 422.5 | 422.5 | 422.4 |
| 150°   | 434.2 | 434.4 | 434.4 | 434.4 | 434.4 | 434.4 | 434.4 | 434.4 | 434.4 | 434.4 | 434.4 |
| 152.5° | 444.6 | 444.8 | 444.8 | 444.9 | 445.0 | 445.1 | 445.2 | 445.5 | 445.7 | 445.9 | 445.9 |
| 155°   | 460.7 | 460.6 | 460.5 | 460.4 | 460.3 | 460.2 | 460.6 | 460.9 | 461.3 | 461.6 | 461.6 |
| 157.5° | 474.2 | 474.1 | 474.1 | 474.1 | 474.0 | 474.0 | 474.3 | 474.6 | 474.8 | 475.1 | 475.1 |
| 160°   | 483.0 | 482.9 | 482.8 | 482.7 | 482.6 | 482.5 | 482.8 | 483.0 | 483.3 | 483.6 | 483.5 |
| 162.5° | 490.1 | 489.9 | 489.8 | 489.7 | 489.6 | 489.5 | 490.1 | 490.5 | 491.1 | 491.5 | 491.5 |
| 165°   | 500.3 | 500.2 | 500.0 | 499.8 | 499.6 | 499.4 | 500.0 | 500.5 | 501.1 | 501.6 | 501.7 |
| 167.5° | 507.9 | 507.7 | 507.7 | 507.8 | 507.8 | 507.8 | 508.4 | 508.9 | 509.4 | 510.0 | 510.0 |
| 170°   | 512.2 | 512.0 | 512.1 | 512.2 | 512.3 | 512.4 | 512.9 | 513.4 | 514.0 | 514.5 | 514.4 |
| 172.5° | 515.7 | 515.5 | 515.5 | 515.6 | 515.6 | 515.6 | 516.2 | 516.8 | 517.5 | 518.0 | 518.0 |
| 175°   | 519.9 | 519.6 | 519.5 | 519.4 | 519.3 | 519.2 | 519.9 | 520.5 | 521.1 | 521.7 | 521.7 |
| 177.5° | 521.7 | 521.5 | 521.5 | 521.5 | 521.5 | 521.5 | 522.0 | 522.5 | 523.0 | 523.5 | 523.4 |
| 180°   | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 |



TEST NUMBER: P332716-940

CATALOG NUMBER: S124DIW-S350D470U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 |
| 2.5°   | 485.4 | 485.2 | 483.9 | 483.8 | 483.9 | 485.2 | 485.4 | 485.8 | 486.3 | 488.0 | 486.0 |
| 5°     | 448.4 | 447.4 | 446.7 | 449.1 | 446.7 | 447.4 | 448.4 | 449.7 | 451.8 | 452.0 | 454.1 |
| 7.5°   | 420.5 | 419.7 | 417.9 | 417.2 | 417.9 | 419.7 | 420.5 | 421.3 | 423.4 | 425.3 | 428.4 |
| 10°    | 402.7 | 401.8 | 400.1 | 399.7 | 400.1 | 401.8 | 402.7 | 404.7 | 406.9 | 409.2 | 411.3 |
| 12.5°  | 385.4 | 383.8 | 383.4 | 383.9 | 383.4 | 383.8 | 385.4 | 388.3 | 393.7 | 393.7 | 394.1 |
| 15°    | 362.6 | 361.7 | 359.4 | 360.1 | 359.4 | 361.7 | 362.6 | 365.3 | 367.8 | 371.0 | 374.2 |
| 17.5°  | 340.0 | 339.0 | 336.2 | 338.7 | 336.2 | 339.0 | 340.0 | 341.5 | 344.7 | 349.2 | 354.0 |
| 20°    | 325.8 | 324.1 | 322.7 | 322.4 | 322.7 | 324.1 | 325.8 | 327.3 | 330.9 | 334.7 | 338.3 |
| 22.5°  | 312.4 | 310.9 | 310.7 | 309.3 | 310.7 | 310.9 | 312.4 | 314.7 | 318.3 | 320.4 | 323.8 |
| 25°    | 295.4 | 294.0 | 293.6 | 292.5 | 293.6 | 294.0 | 295.4 | 297.1 | 299.4 | 301.1 | 305.0 |
| 27.5°  | 282.5 | 281.8 | 281.0 | 281.3 | 281.0 | 281.8 | 282.5 | 282.7 | 283.7 | 286.0 | 288.2 |
| 30°    | 274.6 | 274.4 | 273.9 | 273.9 | 273.9 | 274.4 | 274.6 | 273.9 | 275.0 | 276.1 | 277.8 |
| 32.5°  | 268.0 | 268.0 | 268.2 | 268.2 | 268.2 | 268.0 | 268.0 | 267.0 | 267.4 | 267.8 | 268.6 |
| 35°    | 258.8 | 259.4 | 259.8 | 259.1 | 259.8 | 259.4 | 258.8 | 257.9 | 257.3 | 255.7 | 256.2 |
| 37.5°  | 250.4 | 251.0 | 251.6 | 252.4 | 251.6 | 251.0 | 250.4 | 248.6 | 247.1 | 245.8 | 244.3 |
| 40°    | 244.0 | 245.4 | 245.8 | 246.9 | 245.8 | 245.4 | 244.0 | 242.1 | 240.4 | 238.9 | 237.2 |
| 42.5°  | 237.9 | 239.5 | 240.6 | 240.9 | 240.6 | 239.5 | 237.9 | 235.9 | 233.4 | 231.7 | 229.3 |
| 45°    | 228.5 | 230.2 | 231.8 | 231.8 | 231.8 | 230.2 | 228.5 | 225.4 | 222.7 | 219.9 | 217.6 |
| 47.5°  | 218.9 | 221.3 | 222.8 | 223.2 | 222.8 | 221.3 | 218.9 | 215.6 | 211.8 | 208.4 | 205.1 |
| 50°    | 212.3 | 215.3 | 216.8 | 217.8 | 216.8 | 215.3 | 212.3 | 208.7 | 204.7 | 200.5 | 196.4 |
| 52.5°  | 205.9 | 208.8 | 210.8 | 211.3 | 210.8 | 208.8 | 205.9 | 201.4 | 196.6 | 192.1 | 188.5 |
| 55°    | 194.7 | 199.0 | 201.3 | 202.2 | 201.3 | 199.0 | 194.7 | 189.9 | 185.3 | 179.6 | 174.5 |
| 57.5°  | 184.3 | 188.2 | 190.9 | 191.5 | 190.9 | 188.2 | 184.3 | 178.6 | 172.6 | 166.6 | 161.1 |
| 60°    | 176.2 | 180.5 | 183.8 | 184.4 | 183.8 | 180.5 | 176.2 | 170.5 | 164.2 | 158.3 | 151.5 |
| 62.5°  | 167.9 | 172.4 | 175.4 | 177.0 | 175.4 | 172.4 | 167.9 | 161.9 | 155.1 | 148.5 | 141.7 |
| 65°    | 153.6 | 158.1 | 161.0 | 161.7 | 161.0 | 158.1 | 153.6 | 147.8 | 140.5 | 133.6 | 127.9 |
| 67.5°  | 138.0 | 142.5 | 144.4 | 145.6 | 144.4 | 142.5 | 138.0 | 132.4 | 125.4 | 118.2 | 111.6 |
| 70°    | 127.1 | 130.6 | 132.8 | 133.8 | 132.8 | 130.6 | 127.1 | 121.1 | 115.2 | 107.8 | 100.9 |
| 72.5°  | 114.6 | 118.3 | 120.7 | 121.0 | 120.7 | 118.3 | 114.6 | 109.5 | 103.3 | 96.4  | 90.2  |
| 75°    | 95.4  | 98.8  | 100.0 | 100.0 | 100.0 | 98.8  | 95.4  | 90.5  | 85.5  | 80.0  | 73.8  |
| 77.5°  | 75.5  | 77.2  | 78.8  | 79.2  | 78.8  | 77.2  | 75.5  | 72.1  | 67.9  | 62.3  | 57.8  |
| 80°    | 62.7  | 63.8  | 65.0  | 65.0  | 65.0  | 63.8  | 62.7  | 59.5  | 55.5  | 50.8  | 47.3  |
| 82.5°  | 49.5  | 50.4  | 51.6  | 51.5  | 51.6  | 50.4  | 49.5  | 47.0  | 43.7  | 40.6  | 37.3  |
| 85°    | 30.0  | 31.8  | 31.7  | 31.2  | 31.7  | 31.8  | 30.0  | 30.4  | 27.2  | 25.1  | 22.2  |
| 87.5°  | 15.8  | 16.1  | 16.6  | 16.9  | 16.6  | 16.1  | 15.8  | 15.2  | 13.7  | 12.8  | 11.9  |
| 90°    | 11.6  | 11.8  | 11.9  | 12.1  | 11.9  | 11.8  | 11.6  | 11.4  | 11.1  | 10.5  | 10.0  |
| 92.5°  | 17.7  | 17.7  | 17.8  | 17.9  | 17.8  | 17.7  | 17.7  | 17.5  | 17.3  | 16.9  | 16.7  |
| 95°    | 31.9  | 31.9  | 31.9  | 31.9  | 31.9  | 31.9  | 31.9  | 31.9  | 31.7  | 31.5  | 31.2  |
| 97.5°  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 49.8  | 49.6  | 49.2  |
| 100°   | 62.6  | 62.6  | 62.6  | 62.6  | 62.6  | 62.6  | 62.6  | 62.6  | 62.5  | 62.3  | 62.2  |
| 102.5° | 76.6  | 76.7  | 76.8  | 76.9  | 76.8  | 76.7  | 76.6  | 76.6  | 76.4  | 76.2  | 75.9  |
| 105°   | 97.8  | 98.1  | 98.4  | 98.6  | 98.4  | 98.1  | 97.8  | 97.6  | 97.3  | 97.0  | 96.8  |
| 107.5° | 119.8 | 119.8 | 119.8 | 119.8 | 119.8 | 119.8 | 119.8 | 119.8 | 119.8 | 119.5 | 119.2 |
| 110°   | 134.1 | 134.4 | 134.6 | 134.9 | 134.6 | 134.4 | 134.1 | 133.8 | 133.8 | 134.0 | 134.2 |



TEST NUMBER: P332716-940

CATALOG NUMBER: S124DIW-S350D470U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 150.3 | 150.3 | 150.4 | 150.4 | 150.4 | 150.3 | 150.3 | 150.3 | 150.3 | 150.3 | 150.3 |
| 115°   | 174.9 | 174.8 | 174.7 | 174.6 | 174.7 | 174.8 | 174.9 | 175.0 | 175.0 | 175.1 | 175.2 |
| 117.5° | 198.0 | 197.9 | 197.7 | 197.5 | 197.7 | 197.9 | 198.0 | 198.2 | 198.5 | 198.8 | 199.1 |
| 120°   | 214.5 | 214.6 | 214.8 | 215.0 | 214.8 | 214.6 | 214.5 | 214.3 | 214.4 | 214.8 | 215.3 |
| 122.5° | 230.5 | 230.2 | 229.8 | 229.5 | 229.8 | 230.2 | 230.5 | 230.8 | 231.1 | 231.4 | 231.8 |
| 125°   | 255.1 | 254.9 | 254.8 | 254.6 | 254.8 | 254.9 | 255.1 | 255.3 | 255.5 | 255.7 | 255.8 |
| 127.5° | 278.2 | 278.0 | 277.9 | 277.8 | 277.9 | 278.0 | 278.2 | 278.3 | 278.5 | 278.7 | 278.8 |
| 130°   | 294.0 | 293.6 | 293.3 | 292.9 | 293.3 | 293.6 | 294.0 | 294.4 | 294.6 | 294.8 | 295.0 |
| 132.5° | 309.5 | 309.4 | 309.2 | 309.2 | 309.2 | 309.4 | 309.5 | 309.7 | 309.9 | 310.0 | 310.2 |
| 135°   | 332.2 | 331.9 | 331.6 | 331.4 | 331.6 | 331.9 | 332.2 | 332.4 | 332.6 | 332.8 | 333.0 |
| 137.5° | 354.5 | 354.5 | 354.6 | 354.7 | 354.6 | 354.5 | 354.5 | 354.5 | 354.5 | 354.8 | 355.0 |
| 140°   | 369.2 | 369.1 | 369.0 | 368.9 | 369.0 | 369.1 | 369.2 | 369.3 | 369.3 | 369.4 | 369.5 |
| 142.5° | 383.2 | 383.2 | 383.2 | 383.2 | 383.2 | 383.2 | 383.2 | 383.2 | 383.3 | 383.3 | 383.3 |
| 145°   | 403.2 | 403.0 | 402.7 | 402.4 | 402.7 | 403.0 | 403.2 | 403.5 | 403.7 | 403.8 | 403.9 |
| 147.5° | 422.3 | 422.2 | 422.1 | 422.0 | 422.1 | 422.2 | 422.3 | 422.4 | 422.5 | 422.5 | 422.6 |
| 150°   | 434.3 | 434.2 | 434.1 | 434.0 | 434.1 | 434.2 | 434.3 | 434.4 | 434.4 | 434.4 | 434.4 |
| 152.5° | 445.7 | 445.4 | 445.2 | 445.0 | 445.2 | 445.4 | 445.7 | 445.9 | 445.9 | 445.7 | 445.5 |
| 155°   | 461.3 | 460.9 | 460.6 | 460.2 | 460.6 | 460.9 | 461.3 | 461.6 | 461.6 | 461.3 | 460.9 |
| 157.5° | 474.8 | 474.5 | 474.2 | 473.9 | 474.2 | 474.5 | 474.8 | 475.1 | 475.1 | 474.8 | 474.6 |
| 160°   | 483.0 | 482.6 | 482.1 | 481.6 | 482.1 | 482.6 | 483.0 | 483.5 | 483.6 | 483.3 | 483.0 |
| 162.5° | 491.1 | 490.6 | 490.2 | 489.7 | 490.2 | 490.6 | 491.1 | 491.5 | 491.5 | 491.1 | 490.5 |
| 165°   | 501.3 | 501.0 | 500.6 | 500.2 | 500.6 | 501.0 | 501.3 | 501.7 | 501.6 | 501.1 | 500.5 |
| 167.5° | 509.4 | 508.9 | 508.3 | 507.7 | 508.3 | 508.9 | 509.4 | 510.0 | 510.0 | 509.4 | 508.9 |
| 170°   | 513.8 | 513.2 | 512.6 | 511.9 | 512.6 | 513.2 | 513.8 | 514.4 | 514.5 | 514.0 | 513.4 |
| 172.5° | 517.4 | 516.7 | 516.1 | 515.5 | 516.1 | 516.7 | 517.4 | 518.0 | 518.0 | 517.5 | 516.8 |
| 175°   | 521.1 | 520.5 | 519.9 | 519.2 | 519.9 | 520.5 | 521.1 | 521.7 | 521.7 | 521.1 | 520.5 |
| 177.5° | 522.9 | 522.4 | 521.7 | 521.2 | 521.7 | 522.4 | 522.9 | 523.4 | 523.5 | 523.0 | 522.5 |
| 180°   | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 |



TEST NUMBER: P332716-940

CATALOG NUMBER: S124DIW-S350D470U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 |
| 2.5°   | 487.0 | 487.7 | 490.4 | 492.9 | 496.0 | 498.1 | 499.6 | 501.3 | 504.9 | 507.7 | 510.5 |
| 5°     | 456.3 | 457.4 | 462.8 | 466.6 | 473.1 | 478.8 | 483.3 | 488.1 | 493.8 | 501.7 | 508.8 |
| 7.5°   | 429.2 | 433.1 | 439.2 | 445.3 | 451.9 | 459.4 | 465.9 | 473.2 | 483.0 | 493.8 | 504.9 |
| 10°    | 413.8 | 418.3 | 424.6 | 431.8 | 438.1 | 446.7 | 454.8 | 463.4 | 474.7 | 487.7 | 500.8 |
| 12.5°  | 398.5 | 405.8 | 410.6 | 419.1 | 426.0 | 433.1 | 441.7 | 453.0 | 466.0 | 479.7 | 495.5 |
| 15°    | 379.2 | 383.3 | 392.5 | 397.2 | 406.9 | 417.9 | 426.3 | 437.7 | 450.3 | 468.5 | 486.2 |
| 17.5°  | 357.0 | 362.3 | 369.7 | 378.5 | 389.7 | 398.2 | 408.8 | 420.5 | 436.5 | 454.5 | 476.7 |
| 20°    | 342.5 | 347.0 | 356.1 | 365.7 | 377.6 | 386.6 | 397.8 | 409.2 | 425.7 | 444.9 | 468.1 |
| 22.5°  | 329.5 | 333.8 | 343.4 | 352.4 | 363.9 | 375.0 | 386.6 | 399.9 | 415.7 | 436.0 | 459.7 |
| 25°    | 309.4 | 315.0 | 323.5 | 332.8 | 343.8 | 356.4 | 369.1 | 380.9 | 397.8 | 419.1 | 444.4 |
| 27.5°  | 291.5 | 296.0 | 302.2 | 312.7 | 325.2 | 337.4 | 350.0 | 364.9 | 381.1 | 403.7 | 429.9 |
| 30°    | 280.1 | 284.3 | 290.4 | 300.1 | 311.7 | 324.8 | 337.9 | 352.2 | 369.1 | 391.5 | 418.3 |
| 32.5°  | 270.9 | 274.1 | 279.6 | 288.3 | 298.9 | 312.6 | 325.6 | 340.4 | 358.1 | 380.1 | 406.3 |
| 35°    | 257.4 | 260.2 | 262.3 | 270.5 | 280.1 | 292.7 | 305.8 | 321.6 | 338.8 | 359.6 | 385.8 |
| 37.5°  | 244.2 | 245.2 | 248.3 | 253.7 | 262.9 | 274.6 | 286.7 | 302.3 | 319.8 | 341.0 | 364.6 |
| 40°    | 236.1 | 236.6 | 238.4 | 243.5 | 251.6 | 262.5 | 274.4 | 289.7 | 306.4 | 326.5 | 349.9 |
| 42.5°  | 228.2 | 227.9 | 229.7 | 233.3 | 240.8 | 250.7 | 262.3 | 276.4 | 293.1 | 311.7 | 333.7 |
| 45°    | 215.7 | 215.7 | 215.3 | 218.2 | 224.4 | 234.1 | 243.8 | 257.3 | 271.2 | 289.4 | 307.9 |
| 47.5°  | 202.6 | 201.4 | 201.8 | 203.3 | 208.5 | 216.4 | 226.2 | 237.3 | 249.6 | 264.9 | 281.2 |
| 50°    | 194.1 | 192.4 | 191.8 | 193.5 | 198.1 | 205.1 | 214.5 | 224.1 | 235.8 | 249.2 | 263.1 |
| 52.5°  | 184.9 | 183.2 | 182.0 | 183.2 | 187.5 | 193.9 | 202.4 | 211.0 | 221.4 | 232.4 | 244.4 |
| 55°    | 170.5 | 168.6 | 168.0 | 168.4 | 171.6 | 176.6 | 183.8 | 191.6 | 199.5 | 208.5 | 217.0 |
| 57.5°  | 156.4 | 153.3 | 152.7 | 152.5 | 154.6 | 159.3 | 165.3 | 172.0 | 177.7 | 183.2 | 192.3 |
| 60°    | 147.1 | 143.3 | 142.0 | 141.8 | 143.5 | 147.3 | 152.8 | 159.5 | 163.5 | 167.4 | 175.1 |
| 62.5°  | 137.1 | 133.5 | 130.7 | 131.0 | 132.5 | 136.2 | 141.0 | 145.9 | 148.6 | 152.7 | 157.9 |
| 65°    | 121.8 | 117.2 | 115.0 | 114.4 | 115.2 | 118.2 | 122.0 | 125.1 | 128.1 | 129.8 | 134.8 |
| 67.5°  | 106.4 | 102.5 | 99.4  | 98.6  | 98.3  | 100.3 | 103.4 | 105.3 | 107.5 | 108.9 | 111.9 |
| 70°    | 95.6  | 92.2  | 88.5  | 87.1  | 86.9  | 88.6  | 91.6  | 91.8  | 94.8  | 95.4  | 98.5  |
| 72.5°  | 85.0  | 80.7  | 78.1  | 76.9  | 76.0  | 77.5  | 79.5  | 80.0  | 81.6  | 82.8  | 84.4  |
| 75°    | 68.4  | 65.2  | 62.7  | 60.8  | 60.2  | 61.0  | 61.0  | 62.1  | 63.1  | 63.8  | 65.6  |
| 77.5°  | 53.9  | 50.2  | 47.2  | 46.1  | 45.3  | 44.8  | 45.2  | 45.9  | 45.4  | 46.5  | 46.9  |
| 80°    | 43.7  | 39.9  | 37.5  | 37.2  | 35.8  | 34.9  | 34.6  | 35.2  | 34.4  | 34.9  | 36.1  |
| 82.5°  | 33.7  | 31.3  | 28.8  | 28.4  | 26.8  | 26.2  | 26.0  | 25.6  | 25.6  | 25.5  | 25.8  |
| 85°    | 20.1  | 18.5  | 16.9  | 15.9  | 15.2  | 14.2  | 14.2  | 13.7  | 13.3  | 12.8  | 13.1  |
| 87.5°  | 10.0  | 9.5   | 8.6   | 7.9   | 7.4   | 6.6   | 6.4   | 5.7   | 5.4   | 5.0   | 4.6   |
| 90°    | 9.5   | 8.9   | 8.2   | 7.5   | 6.8   | 6.0   | 5.2   | 4.2   | 3.2   | 2.2   | 1.2   |
| 92.5°  | 16.3  | 16.0  | 15.5  | 15.0  | 14.5  | 14.0  | 13.2  | 12.0  | 10.9  | 9.8   | 8.6   |
| 95°    | 30.9  | 30.7  | 30.1  | 29.4  | 28.8  | 28.2  | 27.5  | 26.7  | 25.9  | 25.1  | 24.3  |
| 97.5°  | 48.9  | 48.6  | 47.8  | 47.1  | 46.4  | 45.7  | 44.9  | 44.3  | 43.6  | 43.0  | 42.4  |
| 100°   | 62.0  | 61.8  | 61.0  | 60.2  | 59.4  | 58.6  | 58.1  | 57.6  | 57.2  | 56.9  | 56.5  |
| 102.5° | 75.6  | 75.4  | 74.6  | 73.9  | 73.2  | 72.5  | 72.1  | 71.9  | 71.7  | 71.6  | 71.4  |
| 105°   | 96.4  | 96.1  | 95.8  | 95.4  | 95.1  | 94.7  | 94.5  | 94.4  | 94.3  | 94.3  | 94.2  |
| 107.5° | 119.0 | 118.7 | 118.7 | 118.6 | 118.6 | 118.5 | 118.4 | 118.3 | 118.2 | 118.1 | 118.0 |
| 110°   | 134.4 | 134.6 | 134.6 | 134.7 | 134.8 | 134.9 | 134.8 | 134.6 | 134.5 | 134.3 | 134.1 |



TEST NUMBER: P332716-940

CATALOG NUMBER: S124DIW-S350D470U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 150.3 | 150.4 | 150.5 | 150.7 | 150.9 | 151.1 | 151.1 | 151.1 | 151.1 | 151.0 | 151.0 |
| 115°   | 175.3 | 175.4 | 175.6 | 175.8 | 175.9 | 176.1 | 176.2 | 176.2 | 176.2 | 176.2 | 176.2 |
| 117.5° | 199.4 | 199.7 | 199.8 | 199.9 | 200.1 | 200.2 | 200.2 | 200.2 | 200.1 | 200.0 | 199.9 |
| 120°   | 215.7 | 216.2 | 216.4 | 216.7 | 217.0 | 217.2 | 217.2 | 216.9 | 216.5 | 216.2 | 215.8 |
| 122.5° | 232.0 | 232.4 | 232.5 | 232.6 | 232.7 | 232.8 | 232.8 | 232.6 | 232.6 | 232.4 | 232.3 |
| 125°   | 256.0 | 256.2 | 256.3 | 256.4 | 256.5 | 256.5 | 256.5 | 256.5 | 256.5 | 256.5 | 256.5 |
| 127.5° | 279.0 | 279.2 | 279.4 | 279.5 | 279.6 | 279.8 | 279.7 | 279.5 | 279.2 | 278.9 | 278.7 |
| 130°   | 295.2 | 295.3 | 295.3 | 295.3 | 295.3 | 295.3 | 295.2 | 295.0 | 294.7 | 294.4 | 294.2 |
| 132.5° | 310.4 | 310.6 | 310.7 | 310.7 | 310.8 | 310.9 | 310.8 | 310.6 | 310.4 | 310.2 | 310.0 |
| 135°   | 333.1 | 333.3 | 333.3 | 333.3 | 333.3 | 333.3 | 333.1 | 332.5 | 332.0 | 331.4 | 330.9 |
| 137.5° | 355.3 | 355.5 | 355.3 | 355.3 | 355.1 | 354.9 | 354.7 | 354.5 | 354.2 | 354.0 | 353.7 |
| 140°   | 369.6 | 369.7 | 369.7 | 369.7 | 369.7 | 369.7 | 369.6 | 369.4 | 369.3 | 369.1 | 368.9 |
| 142.5° | 383.3 | 383.3 | 383.3 | 383.4 | 383.5 | 383.6 | 383.5 | 383.3 | 383.2 | 383.0 | 382.8 |
| 145°   | 403.9 | 404.0 | 403.9 | 403.9 | 403.8 | 403.7 | 403.5 | 403.1 | 402.8 | 402.4 | 402.1 |
| 147.5° | 422.7 | 422.8 | 422.8 | 422.8 | 422.9 | 423.0 | 422.8 | 422.4 | 422.0 | 421.5 | 421.2 |
| 150°   | 434.4 | 434.4 | 434.4 | 434.4 | 434.4 | 434.4 | 434.2 | 433.8 | 433.5 | 433.1 | 432.7 |
| 152.5° | 445.2 | 445.1 | 445.0 | 444.9 | 444.8 | 444.8 | 444.6 | 444.4 | 444.2 | 444.0 | 443.7 |
| 155°   | 460.6 | 460.2 | 460.3 | 460.4 | 460.5 | 460.6 | 460.7 | 460.7 | 460.7 | 460.7 | 460.7 |
| 157.5° | 474.3 | 474.0 | 474.0 | 474.1 | 474.1 | 474.1 | 474.2 | 474.4 | 474.6 | 474.7 | 474.8 |
| 160°   | 482.8 | 482.5 | 482.6 | 482.7 | 482.8 | 482.9 | 483.0 | 483.0 | 483.1 | 483.2 | 483.3 |
| 162.5° | 490.1 | 489.5 | 489.6 | 489.7 | 489.8 | 489.9 | 490.1 | 490.4 | 490.5 | 490.8 | 491.1 |
| 165°   | 500.0 | 499.4 | 499.6 | 499.8 | 500.0 | 500.2 | 500.3 | 500.6 | 500.9 | 501.1 | 501.4 |
| 167.5° | 508.4 | 507.8 | 507.8 | 507.8 | 507.7 | 507.7 | 507.9 | 508.4 | 508.7 | 509.1 | 509.4 |
| 170°   | 512.9 | 512.4 | 512.3 | 512.2 | 512.1 | 512.0 | 512.2 | 512.6 | 513.1 | 513.5 | 514.0 |
| 172.5° | 516.2 | 515.6 | 515.6 | 515.6 | 515.5 | 515.5 | 515.7 | 516.1 | 516.5 | 516.8 | 517.2 |
| 175°   | 519.9 | 519.2 | 519.3 | 519.4 | 519.5 | 519.6 | 519.9 | 520.3 | 520.8 | 521.2 | 521.7 |
| 177.5° | 522.0 | 521.5 | 521.5 | 521.5 | 521.5 | 521.5 | 521.7 | 522.0 | 522.4 | 522.7 | 523.1 |
| 180°   | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 |



TEST NUMBER: P332716-940

CATALOG NUMBER: S124DIW-S350D470U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 |
| 2.5°   | 512.8 | 514.5 | 516.7 | 520.4 | 521.7 | 523.4 | 525.8 | 525.7 | 526.3 | 528.9 | 534.2 |
| 5°     | 514.7 | 521.3 | 527.6 | 535.2 | 543.2 | 548.5 | 555.6 | 560.1 | 564.5 | 570.2 | 580.0 |
| 7.5°   | 515.5 | 525.8 | 537.4 | 550.8 | 562.7 | 576.3 | 587.0 | 597.1 | 606.2 | 618.1 | 629.7 |
| 10°    | 514.3 | 528.2 | 543.2 | 560.1 | 578.0 | 593.3 | 607.0 | 622.6 | 635.9 | 650.4 | 663.5 |
| 12.5°  | 512.1 | 528.9 | 548.9 | 567.8 | 588.8 | 611.3 | 628.4 | 644.2 | 661.8 | 678.6 | 698.8 |
| 15°    | 507.1 | 530.1 | 553.6 | 578.5 | 606.5 | 632.5 | 657.2 | 677.6 | 696.6 | 721.8 | 748.1 |
| 17.5°  | 500.8 | 525.6 | 555.2 | 585.3 | 614.7 | 644.3 | 674.8 | 705.6 | 729.6 | 760.8 | 781.4 |
| 20°    | 494.9 | 523.6 | 554.0 | 589.9 | 619.2 | 656.1 | 686.5 | 716.2 | 749.2 | 780.2 | 804.9 |
| 22.5°  | 486.6 | 518.0 | 550.3 | 585.9 | 624.6 | 661.6 | 696.6 | 728.9 | 761.9 | 795.6 | 825.5 |
| 25°    | 476.1 | 504.6 | 542.8 | 583.3 | 621.7 | 661.8 | 702.1 | 742.6 | 778.1 | 813.8 | 841.6 |
| 27.5°  | 458.3 | 494.2 | 529.8 | 571.6 | 614.2 | 659.6 | 702.8 | 745.1 | 782.3 | 811.6 | 828.8 |
| 30°    | 449.1 | 480.4 | 519.0 | 561.0 | 607.2 | 655.9 | 700.9 | 742.4 | 777.0 | 800.5 | 807.4 |
| 32.5°  | 435.6 | 467.8 | 505.6 | 549.1 | 598.1 | 648.2 | 694.9 | 734.1 | 763.0 | 775.3 | 767.0 |
| 35°    | 415.5 | 444.7 | 482.9 | 527.4 | 578.3 | 631.6 | 677.9 | 711.0 | 725.8 | 714.2 | 685.3 |
| 37.5°  | 391.5 | 420.4 | 458.7 | 502.5 | 555.1 | 609.4 | 651.1 | 675.0 | 670.1 | 641.2 | 598.2 |
| 40°    | 374.6 | 401.6 | 438.1 | 485.4 | 536.6 | 591.1 | 627.9 | 640.7 | 627.2 | 585.9 | 540.0 |
| 42.5°  | 355.9 | 382.2 | 418.8 | 464.5 | 518.8 | 569.0 | 601.0 | 602.1 | 579.4 | 529.9 | 484.0 |
| 45°    | 327.3 | 352.4 | 387.0 | 434.5 | 484.7 | 532.0 | 553.1 | 542.8 | 501.0 | 453.3 | 407.1 |
| 47.5°  | 299.2 | 320.9 | 355.1 | 400.1 | 447.8 | 487.6 | 498.1 | 479.5 | 435.0 | 388.6 | 345.8 |
| 50°    | 278.6 | 300.5 | 332.6 | 375.7 | 421.7 | 456.0 | 461.1 | 436.4 | 392.7 | 346.1 | 312.5 |
| 52.5°  | 258.8 | 280.6 | 311.5 | 351.3 | 393.4 | 424.5 | 424.6 | 396.1 | 352.6 | 311.0 | 279.8 |
| 55°    | 229.8 | 249.4 | 277.3 | 313.0 | 350.5 | 374.8 | 368.9 | 339.4 | 301.6 | 265.5 | 238.3 |
| 57.5°  | 201.9 | 219.0 | 244.6 | 274.4 | 307.5 | 327.5 | 317.7 | 289.3 | 255.6 | 224.9 | 204.3 |
| 60°    | 183.8 | 200.1 | 222.0 | 250.1 | 277.9 | 293.6 | 284.3 | 258.5 | 227.5 | 202.8 | 184.9 |
| 62.5°  | 166.2 | 179.9 | 201.1 | 225.4 | 251.3 | 262.8 | 254.6 | 229.2 | 202.3 | 180.0 | 165.4 |
| 65°    | 141.4 | 152.6 | 169.4 | 190.4 | 209.1 | 219.1 | 212.1 | 188.4 | 168.0 | 151.9 | 140.4 |
| 67.5°  | 118.2 | 126.9 | 139.7 | 156.5 | 172.5 | 177.8 | 171.5 | 155.0 | 137.7 | 124.8 | 116.6 |
| 70°    | 102.1 | 110.4 | 121.1 | 134.0 | 147.9 | 153.6 | 147.3 | 134.2 | 120.1 | 108.3 | 100.2 |
| 72.5°  | 88.1  | 94.5  | 103.6 | 114.6 | 125.5 | 131.2 | 126.9 | 114.3 | 102.4 | 93.5  | 86.8  |
| 75°    | 67.1  | 72.6  | 78.9  | 86.8  | 95.1  | 99.0  | 95.1  | 86.5  | 78.3  | 71.8  | 66.9  |
| 77.5°  | 48.8  | 51.7  | 56.6  | 62.5  | 67.8  | 70.6  | 67.3  | 61.5  | 56.4  | 52.0  | 49.6  |
| 80°    | 37.2  | 39.2  | 42.6  | 47.3  | 50.8  | 53.6  | 51.5  | 46.6  | 42.6  | 39.7  | 38.6  |
| 82.5°  | 27.0  | 28.4  | 30.7  | 34.1  | 36.5  | 37.9  | 37.0  | 33.4  | 31.8  | 29.2  | 28.2  |
| 85°    | 13.3  | 14.2  | 15.6  | 16.7  | 18.8  | 19.0  | 19.2  | 17.7  | 16.2  | 15.6  | 14.8  |
| 87.5°  | 5.0   | 5.4   | 6.1   | 6.8   | 7.6   | 7.9   | 7.9   | 8.0   | 7.5   | 7.5   | 6.9   |
| 90°    | 2.2   | 3.2   | 4.2   | 5.2   | 6.0   | 6.8   | 7.5   | 8.2   | 8.9   | 9.5   | 10.0  |
| 92.5°  | 9.8   | 10.9  | 12.0  | 13.2  | 14.0  | 14.5  | 15.0  | 15.5  | 16.0  | 16.3  | 16.7  |
| 95°    | 25.1  | 25.9  | 26.7  | 27.5  | 28.2  | 28.8  | 29.4  | 30.1  | 30.7  | 30.9  | 31.2  |
| 97.5°  | 43.0  | 43.6  | 44.3  | 44.9  | 45.7  | 46.4  | 47.1  | 47.8  | 48.6  | 48.9  | 49.2  |
| 100°   | 56.9  | 57.2  | 57.6  | 58.1  | 58.6  | 59.4  | 60.2  | 61.0  | 61.8  | 62.0  | 62.2  |
| 102.5° | 71.6  | 71.7  | 71.9  | 72.1  | 72.5  | 73.2  | 73.9  | 74.6  | 75.4  | 75.6  | 75.9  |
| 105°   | 94.3  | 94.3  | 94.4  | 94.5  | 94.7  | 95.1  | 95.4  | 95.8  | 96.1  | 96.4  | 96.8  |
| 107.5° | 118.1 | 118.2 | 118.3 | 118.4 | 118.5 | 118.6 | 118.6 | 118.7 | 118.7 | 119.0 | 119.2 |
| 110°   | 134.3 | 134.5 | 134.6 | 134.8 | 134.9 | 134.8 | 134.7 | 134.6 | 134.6 | 134.4 | 134.2 |





TEST NUMBER: P332716-940

CATALOG NUMBER: S124DIW-S350D470U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 151.0 | 151.1 | 151.1 | 151.1 | 151.1 | 150.9 | 150.7 | 150.5 | 150.4 | 150.3 | 150.3 |
| 115°   | 176.2 | 176.2 | 176.2 | 176.2 | 176.1 | 175.9 | 175.8 | 175.6 | 175.4 | 175.3 | 175.2 |
| 117.5° | 200.0 | 200.1 | 200.2 | 200.2 | 200.2 | 200.1 | 199.9 | 199.8 | 199.7 | 199.4 | 199.1 |
| 120°   | 216.2 | 216.5 | 216.9 | 217.2 | 217.2 | 217.0 | 216.7 | 216.4 | 216.2 | 215.7 | 215.3 |
| 122.5° | 232.4 | 232.6 | 232.6 | 232.8 | 232.8 | 232.7 | 232.6 | 232.5 | 232.4 | 232.0 | 231.8 |
| 125°   | 256.5 | 256.5 | 256.5 | 256.5 | 256.5 | 256.5 | 256.4 | 256.3 | 256.2 | 256.0 | 255.8 |
| 127.5° | 278.9 | 279.2 | 279.5 | 279.7 | 279.8 | 279.6 | 279.5 | 279.4 | 279.2 | 279.0 | 278.8 |
| 130°   | 294.4 | 294.7 | 295.0 | 295.2 | 295.3 | 295.3 | 295.3 | 295.3 | 295.3 | 295.2 | 295.0 |
| 132.5° | 310.2 | 310.4 | 310.6 | 310.8 | 310.9 | 310.8 | 310.7 | 310.7 | 310.6 | 310.4 | 310.2 |
| 135°   | 331.4 | 332.0 | 332.5 | 333.1 | 333.3 | 333.3 | 333.3 | 333.3 | 333.3 | 333.1 | 333.0 |
| 137.5° | 354.0 | 354.2 | 354.5 | 354.7 | 354.9 | 355.1 | 355.3 | 355.3 | 355.5 | 355.3 | 355.0 |
| 140°   | 369.1 | 369.3 | 369.4 | 369.6 | 369.7 | 369.7 | 369.7 | 369.7 | 369.7 | 369.6 | 369.5 |
| 142.5° | 383.0 | 383.2 | 383.3 | 383.5 | 383.6 | 383.5 | 383.4 | 383.3 | 383.3 | 383.3 | 383.3 |
| 145°   | 402.4 | 402.8 | 403.1 | 403.5 | 403.7 | 403.8 | 403.9 | 403.9 | 404.0 | 403.9 | 403.9 |
| 147.5° | 421.5 | 422.0 | 422.4 | 422.8 | 423.0 | 422.9 | 422.8 | 422.8 | 422.8 | 422.7 | 422.6 |
| 150°   | 433.1 | 433.5 | 433.8 | 434.2 | 434.4 | 434.4 | 434.4 | 434.4 | 434.4 | 434.4 | 434.4 |
| 152.5° | 444.0 | 444.2 | 444.4 | 444.6 | 444.8 | 444.8 | 444.9 | 445.0 | 445.1 | 445.2 | 445.5 |
| 155°   | 460.7 | 460.7 | 460.7 | 460.7 | 460.6 | 460.5 | 460.4 | 460.3 | 460.2 | 460.6 | 460.9 |
| 157.5° | 474.7 | 474.6 | 474.4 | 474.2 | 474.1 | 474.1 | 474.1 | 474.0 | 474.0 | 474.3 | 474.6 |
| 160°   | 483.2 | 483.1 | 483.0 | 483.0 | 482.9 | 482.8 | 482.7 | 482.6 | 482.5 | 482.8 | 483.0 |
| 162.5° | 490.8 | 490.5 | 490.4 | 490.1 | 489.9 | 489.8 | 489.7 | 489.6 | 489.5 | 490.1 | 490.5 |
| 165°   | 501.1 | 500.9 | 500.6 | 500.3 | 500.2 | 500.0 | 499.8 | 499.6 | 499.4 | 500.0 | 500.5 |
| 167.5° | 509.1 | 508.7 | 508.4 | 507.9 | 507.7 | 507.7 | 507.8 | 507.8 | 507.8 | 508.4 | 508.9 |
| 170°   | 513.5 | 513.1 | 512.6 | 512.2 | 512.0 | 512.1 | 512.2 | 512.3 | 512.4 | 512.9 | 513.4 |
| 172.5° | 516.8 | 516.5 | 516.1 | 515.7 | 515.5 | 515.5 | 515.6 | 515.6 | 515.6 | 516.2 | 516.8 |
| 175°   | 521.2 | 520.8 | 520.3 | 519.9 | 519.6 | 519.5 | 519.4 | 519.3 | 519.2 | 519.9 | 520.5 |
| 177.5° | 522.7 | 522.4 | 522.0 | 521.7 | 521.5 | 521.5 | 521.5 | 521.5 | 521.5 | 522.0 | 522.5 |
| 180°   | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 |



TEST NUMBER: P332716-940

CATALOG NUMBER: S124DIW-S350D470U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 335°  | 340°  | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 |
| 2.5°   | 537.0 | 537.3 | 538.9 | 540.0 | 540.4 | 542.1 | 542.2 |
| 5°     | 584.2 | 587.7 | 594.7 | 595.3 | 596.4 | 601.9 | 597.6 |
| 7.5°   | 639.4 | 648.5 | 654.6 | 660.0 | 661.9 | 664.3 | 663.9 |
| 10°    | 674.9 | 688.4 | 695.2 | 706.0 | 706.3 | 709.1 | 707.4 |
| 12.5°  | 710.5 | 726.2 | 738.5 | 740.6 | 749.6 | 751.0 | 753.3 |
| 15°    | 761.0 | 777.7 | 794.8 | 800.9 | 813.3 | 816.3 | 820.9 |
| 17.5°  | 808.4 | 825.5 | 837.5 | 853.3 | 858.4 | 865.2 | 860.6 |
| 20°    | 834.5 | 853.0 | 868.3 | 880.7 | 885.9 | 889.7 | 889.3 |
| 22.5°  | 850.2 | 868.9 | 881.2 | 890.6 | 895.5 | 897.2 | 897.1 |
| 25°    | 860.0 | 870.8 | 874.6 | 878.2 | 872.6 | 870.8 | 871.6 |
| 27.5°  | 832.6 | 829.8 | 819.9 | 806.9 | 793.4 | 782.7 | 776.9 |
| 30°    | 795.0 | 778.6 | 763.6 | 737.4 | 723.9 | 715.9 | 708.6 |
| 32.5°  | 741.6 | 715.5 | 686.7 | 662.7 | 647.4 | 635.5 | 633.7 |
| 35°    | 650.2 | 611.0 | 575.7 | 546.4 | 531.2 | 518.4 | 515.3 |
| 37.5°  | 552.8 | 512.0 | 480.3 | 454.4 | 438.1 | 429.0 | 420.5 |
| 40°    | 488.1 | 453.1 | 421.9 | 399.9 | 387.4 | 380.9 | 375.7 |
| 42.5°  | 438.4 | 406.4 | 375.2 | 358.6 | 347.3 | 343.3 | 340.2 |
| 45°    | 369.5 | 339.7 | 318.3 | 305.6 | 299.1 | 292.3 | 289.1 |
| 47.5°  | 314.4 | 290.3 | 276.1 | 265.3 | 258.2 | 254.2 | 252.3 |
| 50°    | 283.2 | 263.4 | 250.7 | 242.5 | 236.1 | 233.0 | 231.3 |
| 52.5°  | 255.6 | 239.2 | 228.6 | 222.0 | 217.8 | 215.4 | 214.7 |
| 55°    | 220.1 | 207.7 | 200.9 | 195.2 | 192.1 | 189.9 | 189.1 |
| 57.5°  | 191.4 | 181.7 | 176.3 | 171.6 | 170.3 | 168.6 | 168.0 |
| 60°    | 172.5 | 165.1 | 160.4 | 157.2 | 156.1 | 154.1 | 154.4 |
| 62.5°  | 155.7 | 149.6 | 145.7 | 143.9 | 142.5 | 140.7 | 141.3 |
| 65°    | 131.7 | 127.2 | 125.1 | 123.5 | 121.8 | 120.7 | 121.5 |
| 67.5°  | 110.5 | 107.5 | 104.6 | 103.6 | 102.8 | 102.6 | 101.7 |
| 70°    | 96.7  | 94.2  | 91.6  | 91.0  | 91.0  | 90.2  | 89.9  |
| 72.5°  | 83.3  | 81.5  | 79.8  | 79.3  | 78.6  | 79.0  | 78.1  |
| 75°    | 64.4  | 62.9  | 62.2  | 61.6  | 61.4  | 61.4  | 60.8  |
| 77.5°  | 47.5  | 46.5  | 45.5  | 45.5  | 44.7  | 44.4  | 44.3  |
| 80°    | 36.1  | 35.7  | 34.9  | 34.9  | 34.4  | 34.6  | 34.2  |
| 82.5°  | 27.1  | 26.6  | 26.4  | 26.0  | 25.4  | 25.5  | 25.1  |
| 85°    | 14.5  | 13.9  | 13.7  | 13.1  | 12.7  | 13.1  | 12.7  |
| 87.5°  | 7.1   | 7.1   | 7.0   | 6.7   | 6.6   | 6.6   | 6.2   |
| 90°    | 10.5  | 11.1  | 11.4  | 11.6  | 11.8  | 11.9  | 12.1  |
| 92.5°  | 16.9  | 17.3  | 17.5  | 17.7  | 17.7  | 17.8  | 17.9  |
| 95°    | 31.5  | 31.7  | 31.9  | 31.9  | 31.9  | 31.9  | 31.9  |
| 97.5°  | 49.6  | 49.8  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  |
| 100°   | 62.3  | 62.5  | 62.6  | 62.6  | 62.6  | 62.6  | 62.6  |
| 102.5° | 76.2  | 76.4  | 76.6  | 76.6  | 76.7  | 76.8  | 76.9  |
| 105°   | 97.0  | 97.3  | 97.6  | 97.8  | 98.1  | 98.4  | 98.6  |
| 107.5° | 119.5 | 119.8 | 119.8 | 119.8 | 119.8 | 119.8 | 119.8 |
| 110°   | 134.0 | 133.8 | 133.8 | 134.1 | 134.4 | 134.6 | 134.9 |



TEST NUMBER: P332716-940

CATALOG NUMBER: S124DIW-S350D470U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 335°  | 340°  | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 150.3 | 150.3 | 150.3 | 150.3 | 150.3 | 150.4 | 150.4 |
| 115°   | 175.1 | 175.0 | 175.0 | 174.9 | 174.8 | 174.7 | 174.6 |
| 117.5° | 198.8 | 198.5 | 198.2 | 198.0 | 197.9 | 197.7 | 197.5 |
| 120°   | 214.8 | 214.4 | 214.3 | 214.5 | 214.6 | 214.8 | 215.0 |
| 122.5° | 231.4 | 231.1 | 230.8 | 230.5 | 230.2 | 229.8 | 229.5 |
| 125°   | 255.7 | 255.5 | 255.3 | 255.1 | 254.9 | 254.8 | 254.6 |
| 127.5° | 278.7 | 278.5 | 278.3 | 278.2 | 278.0 | 277.9 | 277.8 |
| 130°   | 294.8 | 294.6 | 294.4 | 294.0 | 293.6 | 293.3 | 292.9 |
| 132.5° | 310.0 | 309.9 | 309.7 | 309.5 | 309.4 | 309.2 | 309.2 |
| 135°   | 332.8 | 332.6 | 332.4 | 332.2 | 331.9 | 331.6 | 331.4 |
| 137.5° | 354.8 | 354.5 | 354.5 | 354.5 | 354.5 | 354.6 | 354.7 |
| 140°   | 369.4 | 369.3 | 369.3 | 369.2 | 369.1 | 369.0 | 368.9 |
| 142.5° | 383.3 | 383.3 | 383.2 | 383.2 | 383.2 | 383.2 | 383.2 |
| 145°   | 403.8 | 403.7 | 403.5 | 403.2 | 403.0 | 402.7 | 402.4 |
| 147.5° | 422.5 | 422.5 | 422.4 | 422.3 | 422.2 | 422.1 | 422.0 |
| 150°   | 434.4 | 434.4 | 434.4 | 434.3 | 434.2 | 434.1 | 434.0 |
| 152.5° | 445.7 | 445.9 | 445.9 | 445.7 | 445.4 | 445.2 | 445.0 |
| 155°   | 461.3 | 461.6 | 461.6 | 461.3 | 460.9 | 460.6 | 460.2 |
| 157.5° | 474.8 | 475.1 | 475.1 | 474.8 | 474.5 | 474.2 | 473.9 |
| 160°   | 483.3 | 483.6 | 483.5 | 483.0 | 482.6 | 482.1 | 481.6 |
| 162.5° | 491.1 | 491.5 | 491.5 | 491.1 | 490.6 | 490.2 | 489.7 |
| 165°   | 501.1 | 501.6 | 501.7 | 501.3 | 501.0 | 500.6 | 500.2 |
| 167.5° | 509.4 | 510.0 | 510.0 | 509.4 | 508.9 | 508.3 | 507.7 |
| 170°   | 514.0 | 514.5 | 514.4 | 513.8 | 513.2 | 512.6 | 511.9 |
| 172.5° | 517.5 | 518.0 | 518.0 | 517.4 | 516.7 | 516.1 | 515.5 |
| 175°   | 521.1 | 521.7 | 521.7 | 521.1 | 520.5 | 519.9 | 519.2 |
| 177.5° | 523.0 | 523.5 | 523.4 | 522.9 | 522.4 | 521.7 | 521.2 |
| 180°   | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 | 522.5 |

(END OF REPORT)