

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: P332391-830

Luminaire Tested: **S123RDIW-S340D460U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332391-830  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123RDIW-S340D460U830-4F0-1E-UDD-A1  
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 460 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2785.3 lumens  
Efficiency: N/A  
Efficacy: 121.1 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: General Diffuse

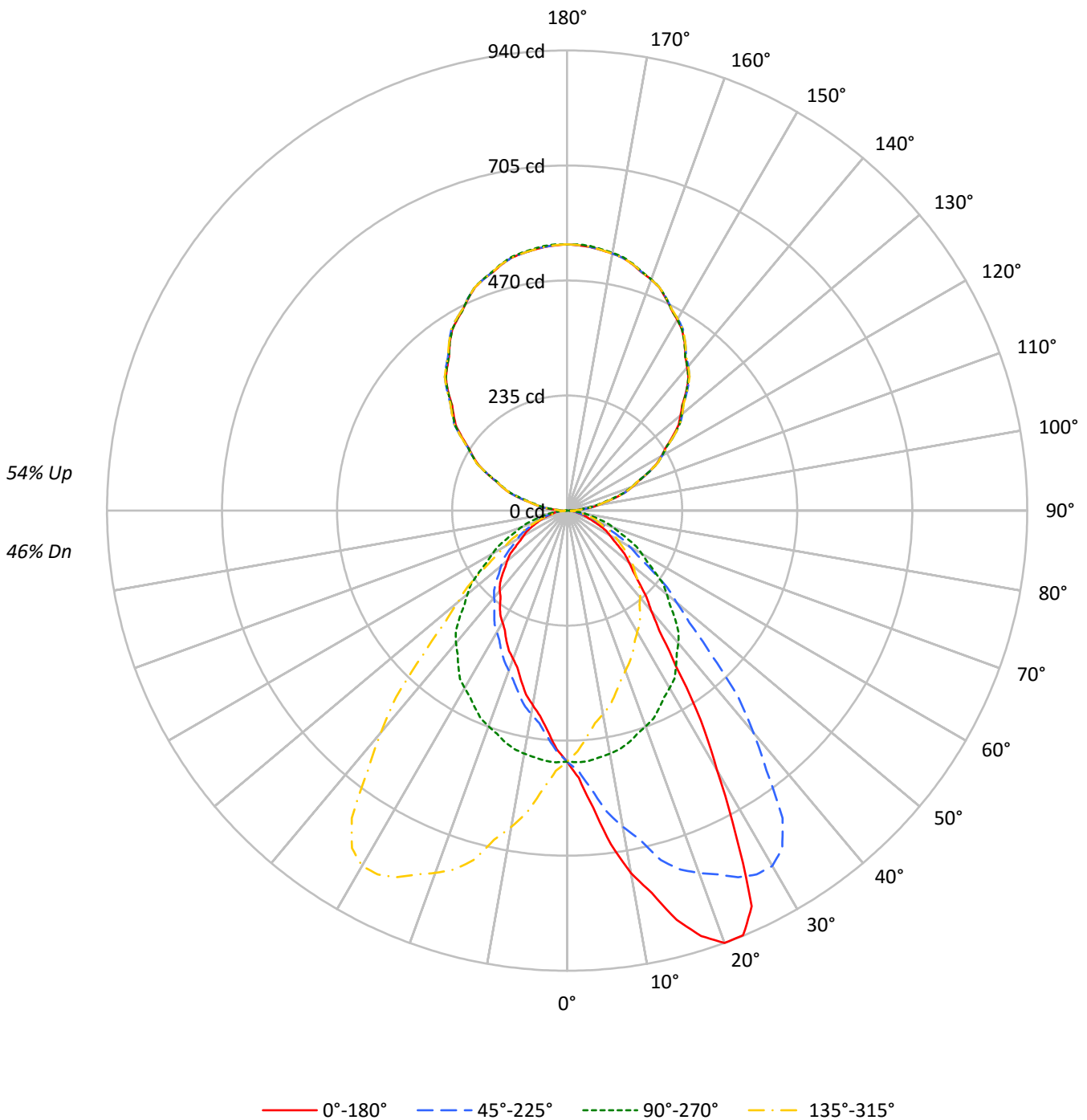
Input Watts (W): 23  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P332391-830

CATALOG NUMBER: S123RDIW-S340D460U830-4F0-1E-UDD-A1

### Luminous Intensity Polar Plot





TEST NUMBER: P332391-830

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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    | 20 |    |
| RC  | 80  |     |     |     | 70 |    |    |    | 50 |    |    |    | 30 |    |    |    | 10 | 0  |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0  |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 81 | 81 | 81 | 66 | 66 | 66 | 52 | 52 | 52 | 46 |
| 1   | 97  | 93  | 90  | 86  | 89 | 86 | 83 | 80 | 72 | 70 | 68 | 59 | 57 | 56 | 47 | 46 | 45 | 40 |
| 2   | 89  | 82  | 76  | 71  | 82 | 76 | 71 | 66 | 64 | 60 | 57 | 52 | 50 | 48 | 42 | 40 | 39 | 34 |
| 3   | 82  | 73  | 66  | 60  | 75 | 67 | 61 | 56 | 57 | 52 | 48 | 47 | 44 | 41 | 38 | 36 | 34 | 30 |
| 4   | 75  | 65  | 57  | 51  | 69 | 60 | 53 | 48 | 51 | 46 | 42 | 42 | 38 | 35 | 34 | 32 | 29 | 26 |
| 5   | 69  | 58  | 50  | 44  | 63 | 53 | 47 | 41 | 45 | 40 | 36 | 38 | 34 | 31 | 31 | 28 | 26 | 23 |
| 6   | 64  | 52  | 44  | 39  | 58 | 48 | 41 | 36 | 41 | 36 | 32 | 34 | 30 | 27 | 28 | 25 | 23 | 20 |
| 7   | 59  | 47  | 39  | 34  | 54 | 44 | 37 | 32 | 37 | 32 | 28 | 31 | 27 | 24 | 26 | 23 | 21 | 18 |
| 8   | 55  | 43  | 35  | 30  | 50 | 40 | 33 | 28 | 34 | 29 | 25 | 29 | 25 | 22 | 24 | 21 | 19 | 16 |
| 9   | 51  | 39  | 32  | 27  | 47 | 36 | 30 | 25 | 31 | 26 | 23 | 27 | 23 | 20 | 22 | 19 | 17 | 15 |
| 10  | 48  | 36  | 29  | 24  | 44 | 33 | 27 | 23 | 29 | 24 | 20 | 25 | 21 | 18 | 21 | 18 | 15 | 14 |

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

|     | 0°    | 90°  | 180° | 270° |
|-----|-------|------|------|------|
| 0°  | 5521  | 5521 | 5521 | 5521 |
| 5°  | 6582  | 5545 | 4883 | 5545 |
| 10° | 8218  | 5513 | 4411 | 5513 |
| 15° | 9646  | 5457 | 4023 | 5457 |
| 20° | 10766 | 5372 | 3692 | 5372 |
| 25° | 10594 | 5284 | 3489 | 5284 |
| 30° | 7615  | 5203 | 3280 | 5203 |
| 35° | 5084  | 5096 | 3144 | 5096 |
| 40° | 3746  | 4967 | 3006 | 4967 |
| 45° | 3142  | 4743 | 2868 | 4743 |
| 50° | 2773  | 4449 | 2678 | 4449 |
| 55° | 2432  | 4112 | 2415 | 4112 |
| 60° | 2166  | 3791 | 2211 | 3791 |
| 65° | 1900  | 3446 | 2058 | 3446 |
| 70° | 1492  | 3138 | 1882 | 3138 |
| 75° | 1314  | 2741 | 1718 | 2741 |
| 80° | 1147  | 2325 | 1686 | 2325 |
| 85° | 914   | 1877 | 1791 | 1877 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 50.4   | 1.8       |
| 10°-20°   | 157.6  | 5.7       |
| 20°-30°   | 247.6  | 8.9       |
| 30°-40°   | 258.3  | 9.3       |
| 40°-50°   | 221.1  | 7.9       |
| 50°-60°   | 168.5  | 6.0       |
| 60°-70°   | 108.0  | 3.9       |
| 70°-80°   | 52.0   | 1.9       |
| 80°-90°   | 15.3   | 0.6       |
| 90°-100°  | 35.4   | 1.3       |
| 100°-110° | 106.0  | 3.8       |
| 110°-120° | 180.3  | 6.5       |
| 120°-130° | 237.2  | 8.5       |
| 130°-140° | 266.6  | 9.6       |
| 140°-150° | 262.1  | 9.4       |
| 150°-160° | 220.6  | 7.9       |
| 160°-170° | 146.9  | 5.3       |
| 170°-180° | 51.4   | 1.8       |
| 0°-30°    | 455.6  | 16.4      |
| 0°-40°    | 714.0  | 25.6      |
| 0°-60°    | 1103.5 | 39.6      |
| 0°-90°    | 1278.8 | 45.9      |
| 90°-120°  | 321.8  | 11.6      |
| 90°-150°  | 1087.6 | 39.0      |
| 90°-180°  | 1507.0 | 54.1      |
| 0°-180°   | 2785.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0°   | 513 | 513 | 513  | 513  | 513  |      |
| 5°   | 609 | 513 | 452  | 513  | 609  | 63   |
| 15°  | 866 | 490 | 361  | 490  | 866  | 245  |
| 25°  | 892 | 445 | 294  | 445  | 892  | 383  |
| 35°  | 387 | 388 | 239  | 388  | 387  | 254  |
| 45°  | 206 | 312 | 188  | 312  | 206  | 162  |
| 55°  | 130 | 219 | 129  | 219  | 130  | 117  |
| 65°  | 75  | 135 | 81   | 135  | 75   | 73   |
| 75°  | 32  | 66  | 41   | 66   | 32   | 34   |
| 85°  | 7   | 15  | 14   | 15   | 7    | 9    |
| 90°  | 13  | 0   | 13   | 0    | 13   | 6    |
| 95°  | 33  | 25  | 33   | 25   | 33   | 34   |
| 105° | 102 | 96  | 102  | 96   | 102  | 108  |
| 115° | 182 | 182 | 182  | 182  | 182  | 180  |
| 125° | 263 | 266 | 263  | 266  | 263  | 235  |
| 135° | 344 | 345 | 344  | 345  | 344  | 265  |
| 145° | 418 | 418 | 418  | 418  | 418  | 261  |
| 155° | 478 | 479 | 478  | 479  | 478  | 220  |
| 165° | 520 | 522 | 520  | 522  | 520  | 147  |
| 175° | 540 | 542 | 540  | 542  | 540  | 51   |
| 180° | 544 | 544 | 544  | 544  | 544  |      |



TEST NUMBER: P332391-830

CATALOG NUMBER: S123RDIW-S340D460U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 |
| 2.5°   | 546.4 | 547.1 | 544.8 | 544.4 | 541.8 | 541.1 | 541.1 | 537.3 | 535.1 | 532.2 | 530.4 |
| 5°     | 609.2 | 612.7 | 610.9 | 607.0 | 600.4 | 598.8 | 594.7 | 588.1 | 580.6 | 571.4 | 567.0 |
| 7.5°   | 687.6 | 692.4 | 690.5 | 684.5 | 677.5 | 671.9 | 660.2 | 649.2 | 634.0 | 620.5 | 609.0 |
| 10°    | 751.9 | 746.9 | 742.9 | 737.0 | 730.6 | 720.3 | 707.9 | 691.1 | 671.6 | 656.1 | 639.0 |
| 12.5°  | 800.0 | 799.2 | 794.2 | 788.1 | 779.1 | 769.3 | 754.1 | 733.6 | 710.9 | 688.6 | 669.0 |
| 15°    | 865.6 | 867.0 | 863.7 | 857.3 | 844.5 | 827.2 | 804.4 | 795.8 | 763.3 | 739.1 | 715.0 |
| 17.5°  | 911.1 | 910.8 | 910.3 | 901.5 | 888.5 | 876.2 | 855.0 | 832.5 | 803.0 | 769.0 | 736.5 |
| 20°    | 939.9 | 937.6 | 938.1 | 928.2 | 918.6 | 904.3 | 883.6 | 850.9 | 826.8 | 787.5 | 753.8 |
| 22.5°  | 939.1 | 938.7 | 940.4 | 937.0 | 930.0 | 919.1 | 902.8 | 875.2 | 844.3 | 804.6 | 766.9 |
| 25°    | 892.0 | 890.2 | 900.5 | 903.4 | 914.6 | 916.6 | 911.7 | 896.6 | 867.4 | 826.5 | 779.8 |
| 27.5°  | 746.5 | 745.6 | 764.7 | 788.7 | 819.1 | 842.7 | 865.5 | 876.6 | 867.4 | 838.1 | 791.3 |
| 30°    | 612.7 | 633.3 | 643.0 | 677.7 | 716.3 | 762.4 | 802.9 | 841.2 | 850.7 | 837.9 | 799.6 |
| 32.5°  | 508.7 | 526.7 | 534.8 | 564.5 | 600.6 | 654.6 | 715.2 | 769.6 | 808.0 | 817.7 | 794.7 |
| 35°    | 386.9 | 387.1 | 405.6 | 418.8 | 452.1 | 507.7 | 566.6 | 639.4 | 711.9 | 766.9 | 772.5 |
| 37.5°  | 308.8 | 309.8 | 321.0 | 334.1 | 359.2 | 388.5 | 440.4 | 501.0 | 584.7 | 668.9 | 718.4 |
| 40°    | 266.6 | 268.5 | 276.9 | 289.8 | 307.8 | 330.1 | 370.4 | 427.5 | 497.4 | 591.2 | 667.8 |
| 42.5°  | 239.5 | 242.7 | 247.0 | 257.0 | 268.2 | 289.0 | 321.6 | 365.7 | 429.2 | 517.9 | 606.3 |
| 45°    | 206.4 | 208.2 | 211.5 | 216.1 | 226.2 | 240.6 | 262.6 | 292.3 | 345.0 | 416.3 | 504.8 |
| 47.5°  | 182.1 | 181.2 | 184.6 | 188.3 | 195.1 | 205.0 | 219.7 | 243.8 | 281.4 | 338.7 | 413.8 |
| 50°    | 165.6 | 165.3 | 167.8 | 170.6 | 177.0 | 184.3 | 196.3 | 214.5 | 244.4 | 291.8 | 360.6 |
| 52.5°  | 150.1 | 150.9 | 152.7 | 156.2 | 160.8 | 166.6 | 177.5 | 190.7 | 216.3 | 257.2 | 314.5 |
| 55°    | 129.6 | 130.3 | 132.6 | 134.6 | 137.9 | 143.8 | 150.6 | 161.6 | 179.2 | 207.7 | 255.0 |
| 57.5°  | 112.2 | 111.9 | 114.1 | 114.7 | 118.4 | 123.2 | 128.5 | 137.0 | 149.8 | 171.0 | 202.7 |
| 60°    | 100.6 | 99.9  | 101.9 | 103.4 | 105.4 | 109.3 | 113.8 | 122.1 | 132.2 | 147.8 | 175.0 |
| 62.5°  | 90.0  | 89.7  | 91.1  | 92.7  | 94.3  | 97.9  | 101.6 | 108.0 | 116.0 | 129.1 | 150.8 |
| 65°    | 74.6  | 75.3  | 76.0  | 76.6  | 77.5  | 79.7  | 83.2  | 87.7  | 93.1  | 102.4 | 117.9 |
| 67.5°  | 58.7  | 59.4  | 59.6  | 60.9  | 62.8  | 64.2  | 66.4  | 70.2  | 74.1  | 81.8  | 90.7  |
| 70°    | 47.4  | 47.2  | 47.4  | 48.1  | 50.5  | 52.9  | 55.8  | 58.6  | 61.1  | 66.5  | 74.0  |
| 72.5°  | 40.7  | 40.3  | 40.9  | 41.1  | 42.2  | 42.9  | 44.7  | 47.4  | 50.5  | 54.2  | 59.6  |
| 75°    | 31.6  | 31.6  | 31.6  | 31.6  | 32.5  | 32.9  | 33.6  | 34.2  | 35.3  | 37.1  | 41.1  |
| 77.5°  | 23.4  | 23.4  | 23.8  | 23.9  | 24.1  | 24.4  | 24.8  | 25.4  | 25.8  | 26.8  | 28.5  |
| 80°    | 18.5  | 18.7  | 18.5  | 18.7  | 18.7  | 19.1  | 19.3  | 20.0  | 20.2  | 21.3  | 22.0  |
| 82.5°  | 13.9  | 13.8  | 13.9  | 14.1  | 14.1  | 14.5  | 14.6  | 15.1  | 15.1  | 15.6  | 16.3  |
| 85°    | 7.4   | 7.1   | 7.4   | 7.3   | 7.7   | 7.3   | 7.4   | 7.9   | 7.9   | 8.1   | 9.0   |
| 87.5°  | 4.3   | 4.6   | 4.2   | 4.3   | 4.3   | 4.4   | 4.4   | 4.3   | 4.6   | 4.3   | 4.2   |
| 90°    | 12.8  | 12.6  | 12.4  | 12.3  | 12.1  | 11.8  | 11.4  | 11.0  | 10.7  | 10.3  | 9.0   |
| 92.5°  | 17.2  | 17.3  | 17.4  | 17.6  | 17.7  | 17.6  | 17.3  | 17.0  | 16.7  | 16.4  | 15.7  |
| 95°    | 33.3  | 33.3  | 33.3  | 33.3  | 33.3  | 33.1  | 32.7  | 32.3  | 32.0  | 31.6  | 30.8  |
| 97.5°  | 51.3  | 51.3  | 51.4  | 51.4  | 51.4  | 51.2  | 50.8  | 50.3  | 49.9  | 49.5  | 48.9  |
| 100°   | 64.9  | 64.8  | 64.6  | 64.4  | 64.2  | 63.9  | 63.6  | 63.3  | 63.1  | 62.8  | 62.3  |
| 102.5° | 78.9  | 79.0  | 79.0  | 79.1  | 79.1  | 79.0  | 78.7  | 78.4  | 78.1  | 77.9  | 77.2  |
| 105°   | 101.7 | 101.5 | 101.3 | 101.1 | 100.9 | 100.8 | 100.8 | 100.8 | 100.8 | 100.8 | 99.9  |
| 107.5° | 125.4 | 125.5 | 125.5 | 125.6 | 125.7 | 125.6 | 125.4 | 125.1 | 124.8 | 124.5 | 124.1 |
| 110°   | 141.4 | 141.6 | 141.8 | 141.9 | 142.1 | 142.0 | 141.7 | 141.3 | 140.9 | 140.5 | 140.3 |



TEST NUMBER: P332391-830

CATALOG NUMBER: S123RDIW-S340D460U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 158.4 | 158.5 | 158.5 | 158.5 | 158.6 | 158.4 | 158.0 | 157.5 | 157.0 | 156.6 | 156.6 |
| 115°   | 182.0 | 182.1 | 182.2 | 182.3 | 182.4 | 182.4 | 182.3 | 182.2 | 182.1 | 182.0 | 182.2 |
| 117.5° | 205.8 | 206.0 | 206.3 | 206.6 | 206.9 | 207.0 | 207.0 | 207.1 | 207.1 | 207.1 | 207.4 |
| 120°   | 222.5 | 222.7 | 222.9 | 223.1 | 223.3 | 223.5 | 223.6 | 223.7 | 223.8 | 223.9 | 224.3 |
| 122.5° | 238.6 | 238.8 | 239.1 | 239.4 | 239.7 | 239.9 | 240.2 | 240.4 | 240.6 | 240.9 | 241.2 |
| 125°   | 262.7 | 263.1 | 263.4 | 263.8 | 264.2 | 264.6 | 264.9 | 265.3 | 265.7 | 266.1 | 266.3 |
| 127.5° | 286.7 | 287.1 | 287.6 | 288.0 | 288.4 | 288.9 | 289.5 | 290.0 | 290.5 | 291.1 | 291.2 |
| 130°   | 302.4 | 303.1 | 303.8 | 304.4 | 305.1 | 305.6 | 305.9 | 306.3 | 306.7 | 307.1 | 307.4 |
| 132.5° | 318.8 | 319.3 | 319.8 | 320.4 | 320.8 | 321.3 | 321.8 | 322.3 | 322.7 | 323.2 | 323.4 |
| 135°   | 344.3 | 344.5 | 344.7 | 344.9 | 345.1 | 345.3 | 345.7 | 346.1 | 346.5 | 346.9 | 346.9 |
| 137.5° | 366.7 | 367.1 | 367.5 | 367.8 | 368.2 | 368.5 | 369.0 | 369.4 | 369.8 | 370.1 | 369.9 |
| 140°   | 381.4 | 382.1 | 382.8 | 383.4 | 384.1 | 384.5 | 384.6 | 384.7 | 384.7 | 384.8 | 384.7 |
| 142.5° | 396.4 | 397.0 | 397.5 | 398.0 | 398.5 | 398.8 | 398.9 | 399.0 | 399.1 | 399.2 | 399.1 |
| 145°   | 418.2 | 418.6 | 419.0 | 419.3 | 419.7 | 419.9 | 420.0 | 420.1 | 420.2 | 420.3 | 420.0 |
| 147.5° | 437.4 | 438.0 | 438.6 | 439.2 | 439.8 | 440.1 | 440.1 | 440.1 | 440.1 | 440.1 | 439.8 |
| 150°   | 449.8 | 450.3 | 450.9 | 451.5 | 452.0 | 452.3 | 452.3 | 452.3 | 452.3 | 452.3 | 452.1 |
| 152.5° | 461.8 | 462.2 | 462.7 | 463.3 | 463.7 | 463.9 | 463.7 | 463.5 | 463.4 | 463.3 | 463.2 |
| 155°   | 478.0 | 478.6 | 479.3 | 479.9 | 480.6 | 480.8 | 480.4 | 480.0 | 479.7 | 479.3 | 479.2 |
| 157.5° | 492.8 | 493.2 | 493.8 | 494.4 | 494.8 | 494.9 | 494.6 | 494.2 | 493.7 | 493.3 | 493.2 |
| 160°   | 502.3 | 502.7 | 503.0 | 503.4 | 503.8 | 503.8 | 503.3 | 502.8 | 502.4 | 501.9 | 501.9 |
| 162.5° | 509.4 | 510.1 | 510.7 | 511.3 | 511.9 | 512.0 | 511.5 | 511.0 | 510.6 | 510.1 | 510.0 |
| 165°   | 519.8 | 520.5 | 521.1 | 521.8 | 522.5 | 522.5 | 522.0 | 521.4 | 520.8 | 520.3 | 520.3 |
| 167.5° | 528.6 | 529.2 | 529.8 | 530.4 | 530.9 | 530.9 | 530.4 | 529.8 | 529.2 | 528.6 | 528.6 |
| 170°   | 533.1 | 533.8 | 534.4 | 535.1 | 535.7 | 535.7 | 535.1 | 534.4 | 533.8 | 533.1 | 533.1 |
| 172.5° | 536.5 | 537.2 | 537.8 | 538.5 | 539.1 | 539.1 | 538.6 | 538.0 | 537.4 | 536.8 | 536.8 |
| 175°   | 540.4 | 541.0 | 541.7 | 542.3 | 543.0 | 543.0 | 542.4 | 541.9 | 541.3 | 540.7 | 540.7 |
| 177.5° | 542.3 | 542.9 | 543.5 | 543.9 | 544.5 | 544.5 | 544.1 | 543.7 | 543.2 | 542.7 | 542.7 |
| 180°   | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 |



TEST NUMBER: P332391-830

CATALOG NUMBER: S123RDIW-S340D460U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 |
| 2.5°   | 529.6 | 529.1 | 526.7 | 523.9 | 520.2 | 517.7 | 515.8 | 514.7 | 511.5 | 507.7 | 505.1 |
| 5°     | 562.4 | 555.8 | 548.7 | 540.2 | 532.3 | 524.1 | 519.2 | 513.2 | 506.0 | 497.9 | 492.1 |
| 7.5°   | 597.4 | 584.5 | 570.6 | 556.2 | 542.1 | 529.3 | 518.0 | 508.4 | 496.9 | 485.2 | 477.1 |
| 10°    | 624.3 | 605.4 | 585.9 | 565.9 | 547.7 | 530.6 | 517.4 | 504.4 | 490.6 | 477.2 | 467.0 |
| 12.5°  | 648.8 | 623.9 | 601.3 | 576.7 | 553.5 | 533.0 | 514.1 | 498.8 | 482.1 | 467.9 | 456.4 |
| 15°    | 679.7 | 654.1 | 627.0 | 589.6 | 558.6 | 532.7 | 509.6 | 489.7 | 469.5 | 451.9 | 440.7 |
| 17.5°  | 708.5 | 670.2 | 633.6 | 602.5 | 562.2 | 529.9 | 501.7 | 477.9 | 455.6 | 437.1 | 423.2 |
| 20°    | 720.5 | 683.3 | 643.7 | 603.9 | 564.4 | 528.1 | 495.4 | 469.0 | 446.0 | 424.9 | 412.2 |
| 22.5°  | 727.6 | 685.7 | 643.8 | 601.1 | 559.1 | 521.4 | 489.1 | 460.1 | 435.1 | 415.1 | 399.4 |
| 25°    | 736.0 | 686.0 | 639.9 | 597.8 | 554.9 | 514.1 | 475.6 | 444.9 | 417.9 | 396.6 | 379.9 |
| 27.5°  | 741.6 | 682.7 | 628.2 | 581.4 | 537.9 | 497.3 | 462.0 | 429.4 | 402.0 | 379.5 | 361.6 |
| 30°    | 742.6 | 680.0 | 619.3 | 568.5 | 524.4 | 487.0 | 449.7 | 418.6 | 389.6 | 365.6 | 348.9 |
| 32.5°  | 744.0 | 673.5 | 607.1 | 553.3 | 508.0 | 471.1 | 437.2 | 407.5 | 377.8 | 354.2 | 337.1 |
| 35°    | 738.3 | 670.0 | 588.7 | 526.8 | 481.5 | 445.7 | 415.3 | 387.8 | 358.6 | 335.7 | 318.4 |
| 37.5°  | 713.3 | 655.7 | 569.7 | 497.0 | 449.7 | 416.6 | 391.7 | 367.8 | 341.0 | 316.3 | 300.0 |
| 40°    | 688.2 | 641.7 | 554.9 | 478.9 | 429.5 | 395.5 | 373.1 | 353.5 | 327.6 | 304.5 | 287.0 |
| 42.5°  | 650.8 | 622.5 | 540.8 | 460.0 | 406.7 | 373.9 | 355.0 | 336.7 | 314.0 | 290.5 | 274.0 |
| 45°    | 582.1 | 585.9 | 512.1 | 429.7 | 375.0 | 342.1 | 324.3 | 311.6 | 291.4 | 272.1 | 255.1 |
| 47.5°  | 496.1 | 530.9 | 478.3 | 397.6 | 341.8 | 310.9 | 295.3 | 284.2 | 270.5 | 251.6 | 236.1 |
| 50°    | 439.9 | 489.7 | 451.3 | 376.0 | 320.8 | 290.1 | 274.8 | 265.7 | 253.8 | 238.9 | 224.2 |
| 52.5°  | 388.0 | 441.6 | 418.6 | 351.9 | 298.1 | 270.0 | 255.1 | 247.6 | 238.2 | 224.1 | 210.8 |
| 55°    | 316.4 | 370.7 | 365.4 | 315.6 | 264.2 | 238.9 | 227.5 | 219.1 | 212.8 | 202.3 | 191.7 |
| 57.5°  | 256.0 | 307.4 | 310.1 | 275.1 | 234.2 | 209.2 | 199.4 | 193.1 | 189.0 | 181.1 | 171.3 |
| 60°    | 217.8 | 265.0 | 274.3 | 247.9 | 212.8 | 190.9 | 181.2 | 176.1 | 172.9 | 166.5 | 159.0 |
| 62.5°  | 186.2 | 226.4 | 236.9 | 217.9 | 192.3 | 171.6 | 164.1 | 159.3 | 157.0 | 151.6 | 145.0 |
| 65°    | 142.5 | 175.9 | 186.0 | 175.5 | 162.0 | 145.6 | 139.4 | 135.3 | 133.3 | 130.3 | 125.4 |
| 67.5°  | 107.2 | 131.5 | 142.6 | 135.2 | 130.3 | 119.9 | 116.0 | 113.8 | 112.0 | 109.9 | 105.8 |
| 70°    | 86.1  | 104.1 | 115.5 | 113.6 | 109.6 | 104.1 | 101.2 | 99.7  | 97.9  | 96.1  | 92.7  |
| 72.5°  | 69.2  | 81.6  | 92.3  | 93.3  | 90.1  | 89.0  | 86.4  | 85.8  | 84.7  | 82.7  | 80.7  |
| 75°    | 45.9  | 54.5  | 61.9  | 64.8  | 66.1  | 67.2  | 66.1  | 65.9  | 65.7  | 63.9  | 62.8  |
| 77.5°  | 30.1  | 34.7  | 39.4  | 44.3  | 46.4  | 47.8  | 48.2  | 49.0  | 48.4  | 47.5  | 46.9  |
| 80°    | 23.1  | 24.1  | 27.4  | 31.6  | 34.9  | 36.2  | 37.1  | 37.5  | 37.3  | 37.1  | 36.2  |
| 82.5°  | 16.8  | 17.6  | 19.2  | 22.1  | 24.9  | 27.1  | 27.6  | 27.5  | 28.0  | 28.2  | 27.4  |
| 85°    | 9.0   | 9.2   | 9.7   | 10.1  | 11.6  | 14.0  | 14.7  | 15.2  | 15.6  | 15.6  | 14.2  |
| 87.5°  | 4.3   | 4.0   | 4.1   | 3.9   | 4.1   | 4.1   | 5.0   | 5.7   | 6.0   | 5.6   | 5.7   |
| 90°    | 7.8   | 6.5   | 5.3   | 4.2   | 3.3   | 2.4   | 1.4   | 0.5   | 1.4   | 2.4   | 3.3   |
| 92.5°  | 15.0  | 14.3  | 13.6  | 12.9  | 12.3  | 11.6  | 11.0  | 10.4  | 11.0  | 11.6  | 12.3  |
| 95°    | 30.1  | 29.3  | 28.6  | 27.9  | 27.2  | 26.5  | 25.8  | 25.2  | 25.8  | 26.5  | 27.2  |
| 97.5°  | 48.4  | 47.8  | 47.2  | 46.8  | 46.3  | 45.7  | 45.2  | 44.8  | 45.2  | 45.7  | 46.3  |
| 100°   | 61.8  | 61.4  | 60.9  | 60.3  | 59.8  | 59.2  | 58.6  | 58.1  | 58.6  | 59.2  | 59.8  |
| 102.5° | 76.5  | 76.0  | 75.3  | 74.8  | 74.5  | 74.2  | 73.8  | 73.4  | 73.8  | 74.2  | 74.5  |
| 105°   | 99.1  | 98.2  | 97.4  | 96.9  | 96.7  | 96.5  | 96.3  | 96.1  | 96.3  | 96.5  | 96.7  |
| 107.5° | 123.8 | 123.5 | 123.1 | 122.9 | 122.7 | 122.6 | 122.5 | 122.4 | 122.5 | 122.6 | 122.7 |
| 110°   | 140.2 | 140.0 | 139.8 | 139.6 | 139.4 | 139.2 | 139.0 | 138.8 | 139.0 | 139.2 | 139.4 |





TEST NUMBER: P332391-830

CATALOG NUMBER: S123RDIW-S340D460U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 156.6 | 156.5 | 156.5 | 156.4 | 156.3 | 156.2 | 156.0 | 155.9 | 156.0 | 156.2 | 156.3 |
| 115°   | 182.4 | 182.6 | 182.8 | 182.7 | 182.4 | 182.1 | 181.8 | 181.5 | 181.8 | 182.1 | 182.4 |
| 117.5° | 207.5 | 207.8 | 208.0 | 208.1 | 207.9 | 207.7 | 207.5 | 207.4 | 207.5 | 207.7 | 207.9 |
| 120°   | 224.8 | 225.3 | 225.7 | 225.6 | 225.1 | 224.5 | 223.9 | 223.4 | 223.9 | 224.5 | 225.1 |
| 122.5° | 241.4 | 241.7 | 241.9 | 241.8 | 241.4 | 241.0 | 240.5 | 240.2 | 240.5 | 241.0 | 241.4 |
| 125°   | 266.5 | 266.6 | 266.8 | 266.8 | 266.6 | 266.3 | 266.0 | 265.7 | 266.0 | 266.3 | 266.6 |
| 127.5° | 291.4 | 291.7 | 291.9 | 291.7 | 291.1 | 290.5 | 289.8 | 289.3 | 289.8 | 290.5 | 291.1 |
| 130°   | 307.6 | 307.9 | 308.2 | 308.0 | 307.3 | 306.5 | 305.8 | 305.0 | 305.8 | 306.5 | 307.3 |
| 132.5° | 323.6 | 323.8 | 324.0 | 323.8 | 323.0 | 322.3 | 321.4 | 320.7 | 321.4 | 322.3 | 323.0 |
| 135°   | 347.0 | 347.1 | 347.2 | 346.9 | 346.4 | 345.8 | 345.3 | 344.7 | 345.3 | 345.8 | 346.4 |
| 137.5° | 369.7 | 369.4 | 369.2 | 368.8 | 368.3 | 367.9 | 367.4 | 366.9 | 367.4 | 367.9 | 368.3 |
| 140°   | 384.7 | 384.6 | 384.5 | 384.2 | 383.7 | 383.2 | 382.8 | 382.3 | 382.8 | 383.2 | 383.7 |
| 142.5° | 398.9 | 398.7 | 398.5 | 398.2 | 397.8 | 397.3 | 396.8 | 396.3 | 396.8 | 397.3 | 397.8 |
| 145°   | 419.7 | 419.4 | 419.1 | 419.0 | 418.8 | 418.6 | 418.4 | 418.2 | 418.4 | 418.6 | 418.8 |
| 147.5° | 439.5 | 439.2 | 438.9 | 438.7 | 438.3 | 438.0 | 437.6 | 437.3 | 437.6 | 438.0 | 438.3 |
| 150°   | 451.9 | 451.8 | 451.6 | 451.4 | 451.2 | 451.0 | 450.8 | 450.6 | 450.8 | 451.0 | 451.2 |
| 152.5° | 463.1 | 462.9 | 462.8 | 462.6 | 462.3 | 462.1 | 461.8 | 461.6 | 461.8 | 462.1 | 462.3 |
| 155°   | 479.1 | 479.0 | 478.9 | 478.8 | 478.8 | 478.8 | 478.8 | 478.8 | 478.8 | 478.8 | 478.8 |
| 157.5° | 493.2 | 493.1 | 493.0 | 493.0 | 493.1 | 493.3 | 493.4 | 493.5 | 493.4 | 493.3 | 493.1 |
| 160°   | 501.9 | 501.9 | 501.9 | 502.0 | 502.2 | 502.4 | 502.6 | 502.8 | 502.6 | 502.4 | 502.2 |
| 162.5° | 509.9 | 509.8 | 509.8 | 509.9 | 510.1 | 510.4 | 510.7 | 511.0 | 510.7 | 510.4 | 510.1 |
| 165°   | 520.3 | 520.3 | 520.3 | 520.4 | 520.7 | 520.9 | 521.2 | 521.5 | 521.2 | 520.9 | 520.7 |
| 167.5° | 528.5 | 528.4 | 528.3 | 528.5 | 528.9 | 529.2 | 529.6 | 530.0 | 529.6 | 529.2 | 528.9 |
| 170°   | 533.1 | 533.1 | 533.1 | 533.3 | 533.7 | 534.0 | 534.4 | 534.8 | 534.4 | 534.0 | 533.7 |
| 172.5° | 536.8 | 536.8 | 536.8 | 537.0 | 537.4 | 537.8 | 538.2 | 538.6 | 538.2 | 537.8 | 537.4 |
| 175°   | 540.7 | 540.7 | 540.7 | 540.9 | 541.3 | 541.7 | 542.1 | 542.4 | 542.1 | 541.7 | 541.3 |
| 177.5° | 542.7 | 542.7 | 542.7 | 542.9 | 543.2 | 543.5 | 543.8 | 544.1 | 543.8 | 543.5 | 543.2 |
| 180°   | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 |



TEST NUMBER: P332391-830

CATALOG NUMBER: S123RDIW-S340D460U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 |
| 2.5°   | 504.2 | 501.9 | 500.3 | 496.8 | 494.6 | 492.1 | 489.7 | 491.2 | 491.0 | 490.9 | 490.9 |
| 5°     | 487.3 | 482.2 | 477.6 | 471.6 | 468.0 | 463.4 | 459.9 | 459.4 | 460.2 | 457.2 | 455.4 |
| 7.5°   | 470.5 | 463.6 | 457.0 | 450.5 | 443.6 | 438.0 | 434.6 | 432.9 | 430.7 | 428.9 | 426.9 |
| 10°    | 458.7 | 450.6 | 444.2 | 436.1 | 428.7 | 422.1 | 417.9 | 415.0 | 413.5 | 412.0 | 409.1 |
| 12.5°  | 446.6 | 438.7 | 430.6 | 421.3 | 414.2 | 406.6 | 403.5 | 400.3 | 397.4 | 395.6 | 391.7 |
| 15°    | 428.9 | 418.6 | 410.0 | 400.3 | 392.4 | 384.9 | 380.6 | 374.2 | 373.3 | 371.1 | 367.1 |
| 17.5°  | 411.0 | 399.9 | 388.0 | 380.9 | 372.0 | 364.2 | 357.5 | 355.4 | 349.1 | 346.8 | 343.3 |
| 20°    | 397.0 | 386.7 | 377.7 | 368.3 | 355.3 | 348.1 | 342.8 | 340.0 | 334.9 | 331.8 | 329.6 |
| 22.5°  | 384.9 | 374.4 | 364.0 | 353.0 | 342.3 | 334.1 | 330.3 | 325.8 | 323.1 | 318.8 | 316.4 |
| 25°    | 367.6 | 356.2 | 343.7 | 331.8 | 324.1 | 318.0 | 311.8 | 307.8 | 303.9 | 301.9 | 297.6 |
| 27.5°  | 347.5 | 335.5 | 323.9 | 314.8 | 305.4 | 299.4 | 293.8 | 290.3 | 285.5 | 282.2 | 279.7 |
| 30°    | 336.4 | 322.3 | 312.3 | 304.2 | 292.1 | 286.3 | 282.2 | 277.8 | 274.3 | 270.8 | 268.3 |
| 32.5°  | 323.6 | 310.8 | 301.2 | 291.2 | 281.9 | 275.6 | 270.2 | 266.4 | 263.3 | 260.0 | 257.6 |
| 35°    | 303.5 | 292.8 | 282.9 | 272.8 | 265.9 | 259.6 | 253.2 | 249.9 | 247.0 | 243.9 | 241.8 |
| 37.5°  | 285.3 | 275.2 | 265.8 | 256.3 | 247.8 | 242.6 | 237.5 | 235.0 | 231.1 | 229.0 | 226.9 |
| 40°    | 274.1 | 264.2 | 254.1 | 244.9 | 236.1 | 232.1 | 227.5 | 223.8 | 220.3 | 218.7 | 216.3 |
| 42.5°  | 261.7 | 251.8 | 243.4 | 233.5 | 226.2 | 220.8 | 216.6 | 212.5 | 209.9 | 207.6 | 206.3 |
| 45°    | 243.6 | 234.8 | 226.4 | 216.5 | 209.7 | 205.1 | 200.3 | 196.5 | 194.2 | 192.6 | 190.2 |
| 47.5°  | 225.8 | 217.1 | 208.6 | 200.0 | 193.4 | 188.1 | 183.2 | 180.7 | 177.5 | 175.6 | 174.0 |
| 50°    | 213.0 | 205.1 | 196.1 | 188.2 | 181.6 | 176.3 | 172.4 | 169.1 | 166.3 | 163.8 | 162.7 |
| 52.5°  | 201.2 | 192.8 | 185.0 | 177.7 | 170.7 | 164.8 | 161.2 | 157.7 | 155.5 | 152.8 | 151.5 |
| 55°    | 181.8 | 173.7 | 167.1 | 159.9 | 153.1 | 148.0 | 143.6 | 140.5 | 138.4 | 135.3 | 133.6 |
| 57.5°  | 163.6 | 156.3 | 148.5 | 142.1 | 135.2 | 130.9 | 127.2 | 123.1 | 120.4 | 118.0 | 116.2 |
| 60°    | 151.3 | 143.0 | 136.1 | 130.3 | 124.0 | 118.6 | 115.3 | 112.0 | 109.1 | 106.7 | 105.2 |
| 62.5°  | 138.5 | 131.2 | 124.7 | 118.3 | 112.6 | 107.8 | 104.1 | 101.3 | 98.8  | 97.3  | 95.7  |
| 65°    | 118.8 | 113.1 | 106.5 | 101.2 | 96.0  | 92.5  | 89.4  | 87.0  | 85.2  | 84.1  | 82.8  |
| 67.5°  | 100.7 | 95.2  | 89.4  | 84.3  | 80.7  | 78.0  | 76.1  | 74.0  | 73.0  | 71.6  | 70.8  |
| 70°    | 89.0  | 83.2  | 78.1  | 74.2  | 70.7  | 68.7  | 67.4  | 65.9  | 65.0  | 63.2  | 62.4  |
| 72.5°  | 76.2  | 72.0  | 68.3  | 65.1  | 62.3  | 60.5  | 58.8  | 56.9  | 55.5  | 53.5  | 52.7  |
| 75°    | 59.9  | 56.2  | 53.3  | 51.2  | 49.4  | 47.0  | 44.6  | 42.6  | 41.9  | 41.3  | 41.1  |
| 77.5°  | 44.4  | 42.0  | 40.0  | 38.1  | 35.9  | 34.2  | 33.6  | 33.2  | 33.1  | 32.7  | 32.7  |
| 80°    | 34.9  | 32.7  | 31.2  | 29.0  | 27.7  | 27.7  | 27.7  | 27.2  | 27.4  | 27.4  | 27.4  |
| 82.5°  | 25.9  | 23.9  | 23.1  | 22.3  | 22.1  | 22.2  | 22.2  | 22.3  | 22.1  | 22.5  | 22.3  |
| 85°    | 13.4  | 13.6  | 14.0  | 13.9  | 14.0  | 14.0  | 14.5  | 14.2  | 14.5  | 14.0  | 14.5  |
| 87.5°  | 5.7   | 6.5   | 7.0   | 7.4   | 7.8   | 7.8   | 8.1   | 8.2   | 8.4   | 8.5   | 8.6   |
| 90°    | 4.2   | 5.3   | 6.5   | 7.8   | 9.0   | 10.3  | 10.7  | 11.0  | 11.4  | 11.8  | 12.1  |
| 92.5°  | 12.9  | 13.6  | 14.3  | 15.0  | 15.7  | 16.4  | 16.7  | 17.0  | 17.3  | 17.6  | 17.7  |
| 95°    | 27.9  | 28.6  | 29.3  | 30.1  | 30.8  | 31.6  | 32.0  | 32.3  | 32.7  | 33.1  | 33.3  |
| 97.5°  | 46.8  | 47.2  | 47.8  | 48.4  | 48.9  | 49.5  | 49.9  | 50.3  | 50.8  | 51.2  | 51.4  |
| 100°   | 60.3  | 60.9  | 61.4  | 61.8  | 62.3  | 62.8  | 63.1  | 63.3  | 63.6  | 63.9  | 64.2  |
| 102.5° | 74.8  | 75.3  | 76.0  | 76.5  | 77.2  | 77.9  | 78.1  | 78.4  | 78.7  | 79.0  | 79.1  |
| 105°   | 96.9  | 97.4  | 98.2  | 99.1  | 99.9  | 100.8 | 100.8 | 100.8 | 100.8 | 100.8 | 100.9 |
| 107.5° | 122.9 | 123.1 | 123.5 | 123.8 | 124.1 | 124.5 | 124.8 | 125.1 | 125.4 | 125.6 | 125.7 |
| 110°   | 139.6 | 139.8 | 140.0 | 140.2 | 140.3 | 140.5 | 140.9 | 141.3 | 141.7 | 142.0 | 142.1 |



TEST NUMBER: P332391-830

CATALOG NUMBER: S123RDIW-S340D460U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 156.4 | 156.5 | 156.5 | 156.6 | 156.6 | 156.6 | 157.0 | 157.5 | 158.0 | 158.4 | 158.6 |
| 115°   | 182.7 | 182.8 | 182.6 | 182.4 | 182.2 | 182.0 | 182.1 | 182.2 | 182.3 | 182.4 | 182.4 |
| 117.5° | 208.1 | 208.0 | 207.8 | 207.5 | 207.4 | 207.1 | 207.1 | 207.1 | 207.0 | 207.0 | 206.9 |
| 120°   | 225.6 | 225.7 | 225.3 | 224.8 | 224.3 | 223.9 | 223.8 | 223.7 | 223.6 | 223.5 | 223.3 |
| 122.5° | 241.8 | 241.9 | 241.7 | 241.4 | 241.2 | 240.9 | 240.6 | 240.4 | 240.2 | 239.9 | 239.7 |
| 125°   | 266.8 | 266.8 | 266.6 | 266.5 | 266.3 | 266.1 | 265.7 | 265.3 | 264.9 | 264.6 | 264.2 |
| 127.5° | 291.7 | 291.9 | 291.7 | 291.4 | 291.2 | 291.1 | 290.5 | 290.0 | 289.5 | 288.9 | 288.4 |
| 130°   | 308.0 | 308.2 | 307.9 | 307.6 | 307.4 | 307.1 | 306.7 | 306.3 | 305.9 | 305.6 | 305.1 |
| 132.5° | 323.8 | 324.0 | 323.8 | 323.6 | 323.4 | 323.2 | 322.7 | 322.3 | 321.8 | 321.3 | 320.8 |
| 135°   | 346.9 | 347.2 | 347.1 | 347.0 | 346.9 | 346.9 | 346.5 | 346.1 | 345.7 | 345.3 | 345.1 |
| 137.5° | 368.8 | 369.2 | 369.4 | 369.7 | 369.9 | 370.1 | 369.8 | 369.4 | 369.0 | 368.5 | 368.2 |
| 140°   | 384.2 | 384.5 | 384.6 | 384.7 | 384.7 | 384.8 | 384.7 | 384.7 | 384.6 | 384.5 | 384.1 |
| 142.5° | 398.2 | 398.5 | 398.7 | 398.9 | 399.1 | 399.2 | 399.1 | 399.0 | 398.9 | 398.8 | 398.5 |
| 145°   | 419.0 | 419.1 | 419.4 | 419.7 | 420.0 | 420.3 | 420.2 | 420.1 | 420.0 | 419.9 | 419.7 |
| 147.5° | 438.7 | 438.9 | 439.2 | 439.5 | 439.8 | 440.1 | 440.1 | 440.1 | 440.1 | 440.1 | 439.8 |
| 150°   | 451.4 | 451.6 | 451.8 | 451.9 | 452.1 | 452.3 | 452.3 | 452.3 | 452.3 | 452.3 | 452.0 |
| 152.5° | 462.6 | 462.8 | 462.9 | 463.1 | 463.2 | 463.3 | 463.4 | 463.5 | 463.7 | 463.9 | 463.7 |
| 155°   | 478.8 | 478.9 | 479.0 | 479.1 | 479.2 | 479.3 | 479.7 | 480.0 | 480.4 | 480.8 | 480.6 |
| 157.5° | 493.0 | 493.0 | 493.1 | 493.2 | 493.2 | 493.3 | 493.7 | 494.2 | 494.6 | 494.9 | 494.8 |
| 160°   | 502.0 | 501.9 | 501.9 | 501.9 | 501.9 | 501.9 | 502.4 | 502.8 | 503.3 | 503.8 | 503.8 |
| 162.5° | 509.9 | 509.8 | 509.8 | 509.9 | 510.0 | 510.1 | 510.6 | 511.0 | 511.5 | 512.0 | 511.9 |
| 165°   | 520.4 | 520.3 | 520.3 | 520.3 | 520.3 | 520.3 | 520.8 | 521.4 | 522.0 | 522.5 | 522.5 |
| 167.5° | 528.5 | 528.3 | 528.4 | 528.5 | 528.6 | 528.6 | 529.2 | 529.8 | 530.4 | 530.9 | 530.9 |
| 170°   | 533.3 | 533.1 | 533.1 | 533.1 | 533.1 | 533.1 | 533.8 | 534.4 | 535.1 | 535.7 | 535.7 |
| 172.5° | 537.0 | 536.8 | 536.8 | 536.8 | 536.8 | 536.8 | 537.4 | 538.0 | 538.6 | 539.1 | 539.1 |
| 175°   | 540.9 | 540.7 | 540.7 | 540.7 | 540.7 | 540.7 | 541.3 | 541.9 | 542.4 | 543.0 | 543.0 |
| 177.5° | 542.9 | 542.7 | 542.7 | 542.7 | 542.7 | 542.7 | 543.2 | 543.7 | 544.1 | 544.5 | 544.5 |
| 180°   | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 |



TEST NUMBER: P332391-830

CATALOG NUMBER: S123RDIW-S340D460U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 |
| 2.5°   | 488.7 | 488.5 | 488.7 | 488.0 | 488.7 | 488.5 | 488.7 | 490.9 | 490.9 | 491.0 | 491.2 |
| 5°     | 454.8 | 454.6 | 453.9 | 451.9 | 453.9 | 454.6 | 454.8 | 455.4 | 457.2 | 460.2 | 459.4 |
| 7.5°   | 425.1 | 424.8 | 422.9 | 422.9 | 422.9 | 424.8 | 425.1 | 426.9 | 428.9 | 430.7 | 432.9 |
| 10°    | 407.6 | 407.7 | 405.1 | 403.6 | 405.1 | 407.7 | 407.6 | 409.1 | 412.0 | 413.5 | 415.0 |
| 12.5°  | 390.5 | 389.6 | 387.4 | 385.7 | 387.4 | 389.6 | 390.5 | 391.7 | 395.6 | 397.4 | 400.3 |
| 15°    | 368.1 | 365.8 | 360.6 | 361.0 | 360.6 | 365.8 | 368.1 | 367.1 | 371.1 | 373.3 | 374.2 |
| 17.5°  | 341.6 | 340.0 | 339.9 | 336.8 | 339.9 | 340.0 | 341.6 | 343.3 | 346.8 | 349.1 | 355.4 |
| 20°    | 326.1 | 325.0 | 325.5 | 322.3 | 325.5 | 325.0 | 326.1 | 329.6 | 331.8 | 334.9 | 340.0 |
| 22.5°  | 314.0 | 312.8 | 311.0 | 310.1 | 311.0 | 312.8 | 314.0 | 316.4 | 318.8 | 323.1 | 325.8 |
| 25°    | 296.2 | 294.5 | 292.8 | 293.8 | 292.8 | 294.5 | 296.2 | 297.6 | 301.9 | 303.9 | 307.8 |
| 27.5°  | 278.5 | 277.2 | 275.4 | 275.2 | 275.4 | 277.2 | 278.5 | 279.7 | 282.2 | 285.5 | 290.3 |
| 30°    | 267.2 | 265.9 | 265.0 | 263.9 | 265.0 | 265.9 | 267.2 | 268.3 | 270.8 | 274.3 | 277.8 |
| 32.5°  | 255.8 | 255.5 | 254.0 | 253.7 | 254.0 | 255.5 | 255.8 | 257.6 | 260.0 | 263.3 | 266.4 |
| 35°    | 240.9 | 239.6 | 239.1 | 239.3 | 239.1 | 239.6 | 240.9 | 241.8 | 243.9 | 247.0 | 249.9 |
| 37.5°  | 226.7 | 225.0 | 224.1 | 223.4 | 224.1 | 225.0 | 226.7 | 226.9 | 229.0 | 231.1 | 235.0 |
| 40°    | 216.5 | 214.8 | 214.3 | 213.9 | 214.3 | 214.8 | 216.5 | 216.3 | 218.7 | 220.3 | 223.8 |
| 42.5°  | 205.1 | 204.4 | 204.2 | 203.3 | 204.2 | 204.4 | 205.1 | 206.3 | 207.6 | 209.9 | 212.5 |
| 45°    | 189.5 | 189.3 | 187.9 | 188.4 | 187.9 | 189.3 | 189.5 | 190.2 | 192.6 | 194.2 | 196.5 |
| 47.5°  | 173.1 | 172.1 | 171.2 | 171.8 | 171.2 | 172.1 | 173.1 | 174.0 | 175.6 | 177.5 | 180.7 |
| 50°    | 161.8 | 161.4 | 159.4 | 159.9 | 159.4 | 161.4 | 161.8 | 162.7 | 163.8 | 166.3 | 169.1 |
| 52.5°  | 150.6 | 148.9 | 148.2 | 147.9 | 148.2 | 148.9 | 150.6 | 151.5 | 152.8 | 155.5 | 157.7 |
| 55°    | 132.0 | 130.0 | 129.1 | 128.7 | 129.1 | 130.0 | 132.0 | 133.6 | 135.3 | 138.4 | 140.5 |
| 57.5°  | 113.7 | 113.2 | 112.4 | 112.9 | 112.4 | 113.2 | 113.7 | 116.2 | 118.0 | 120.4 | 123.1 |
| 60°    | 103.0 | 103.0 | 103.0 | 102.7 | 103.0 | 103.0 | 103.0 | 105.2 | 106.7 | 109.1 | 112.0 |
| 62.5°  | 94.7  | 94.2  | 94.1  | 94.3  | 94.1  | 94.2  | 94.7  | 95.7  | 97.3  | 98.8  | 101.3 |
| 65°    | 82.1  | 81.9  | 81.1  | 80.8  | 81.1  | 81.9  | 82.1  | 82.8  | 84.1  | 85.2  | 87.0  |
| 67.5°  | 70.2  | 69.5  | 69.2  | 68.9  | 69.2  | 69.5  | 70.2  | 70.8  | 71.6  | 73.0  | 74.0  |
| 70°    | 61.3  | 60.8  | 59.5  | 59.8  | 59.5  | 60.8  | 61.3  | 62.4  | 63.2  | 65.0  | 65.9  |
| 72.5°  | 51.7  | 51.2  | 50.9  | 50.6  | 50.9  | 51.2  | 51.7  | 52.7  | 53.5  | 55.5  | 56.9  |
| 75°    | 40.8  | 40.6  | 40.4  | 41.3  | 40.4  | 40.6  | 40.8  | 41.1  | 41.3  | 41.9  | 42.6  |
| 77.5°  | 32.7  | 32.7  | 32.9  | 32.5  | 32.9  | 32.7  | 32.7  | 32.7  | 32.7  | 33.1  | 33.2  |
| 80°    | 27.4  | 27.4  | 27.2  | 27.2  | 27.2  | 27.4  | 27.4  | 27.4  | 27.4  | 27.4  | 27.2  |
| 82.5°  | 22.0  | 22.1  | 22.3  | 22.0  | 22.3  | 22.1  | 22.0  | 22.3  | 22.5  | 22.1  | 22.3  |
| 85°    | 14.5  | 14.2  | 14.7  | 14.5  | 14.7  | 14.2  | 14.5  | 14.5  | 14.0  | 14.5  | 14.2  |
| 87.5°  | 9.0   | 8.7   | 8.7   | 8.9   | 8.7   | 8.7   | 9.0   | 8.6   | 8.5   | 8.4   | 8.2   |
| 90°    | 12.3  | 12.4  | 12.6  | 12.8  | 12.6  | 12.4  | 12.3  | 12.1  | 11.8  | 11.4  | 11.0  |
| 92.5°  | 17.6  | 17.4  | 17.3  | 17.2  | 17.3  | 17.4  | 17.6  | 17.7  | 17.6  | 17.3  | 17.0  |
| 95°    | 33.3  | 33.3  | 33.3  | 33.3  | 33.3  | 33.3  | 33.3  | 33.3  | 33.1  | 32.7  | 32.3  |
| 97.5°  | 51.4  | 51.4  | 51.3  | 51.3  | 51.3  | 51.4  | 51.4  | 51.4  | 51.2  | 50.8  | 50.3  |
| 100°   | 64.4  | 64.6  | 64.8  | 64.9  | 64.8  | 64.6  | 64.4  | 64.2  | 63.9  | 63.6  | 63.3  |
| 102.5° | 79.1  | 79.0  | 79.0  | 78.9  | 79.0  | 79.0  | 79.1  | 79.1  | 79.0  | 78.7  | 78.4  |
| 105°   | 101.1 | 101.3 | 101.5 | 101.7 | 101.5 | 101.3 | 101.1 | 100.9 | 100.8 | 100.8 | 100.8 |
| 107.5° | 125.6 | 125.5 | 125.5 | 125.4 | 125.5 | 125.5 | 125.6 | 125.7 | 125.6 | 125.4 | 125.1 |
| 110°   | 141.9 | 141.8 | 141.6 | 141.4 | 141.6 | 141.8 | 141.9 | 142.1 | 142.0 | 141.7 | 141.3 |



TEST NUMBER: P332391-830

CATALOG NUMBER: S123RDIW-S340D460U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 158.5 | 158.5 | 158.5 | 158.4 | 158.5 | 158.5 | 158.5 | 158.6 | 158.4 | 158.0 | 157.5 |
| 115°   | 182.3 | 182.2 | 182.1 | 182.0 | 182.1 | 182.2 | 182.3 | 182.4 | 182.4 | 182.3 | 182.2 |
| 117.5° | 206.6 | 206.3 | 206.0 | 205.8 | 206.0 | 206.3 | 206.6 | 206.9 | 207.0 | 207.0 | 207.1 |
| 120°   | 223.1 | 222.9 | 222.7 | 222.5 | 222.7 | 222.9 | 223.1 | 223.3 | 223.5 | 223.6 | 223.7 |
| 122.5° | 239.4 | 239.1 | 238.8 | 238.6 | 238.8 | 239.1 | 239.4 | 239.7 | 239.9 | 240.2 | 240.4 |
| 125°   | 263.8 | 263.4 | 263.1 | 262.7 | 263.1 | 263.4 | 263.8 | 264.2 | 264.6 | 264.9 | 265.3 |
| 127.5° | 288.0 | 287.6 | 287.1 | 286.7 | 287.1 | 287.6 | 288.0 | 288.4 | 288.9 | 289.5 | 290.0 |
| 130°   | 304.4 | 303.8 | 303.1 | 302.4 | 303.1 | 303.8 | 304.4 | 305.1 | 305.6 | 305.9 | 306.3 |
| 132.5° | 320.4 | 319.8 | 319.3 | 318.8 | 319.3 | 319.8 | 320.4 | 320.8 | 321.3 | 321.8 | 322.3 |
| 135°   | 344.9 | 344.7 | 344.5 | 344.3 | 344.5 | 344.7 | 344.9 | 345.1 | 345.3 | 345.7 | 346.1 |
| 137.5° | 367.8 | 367.5 | 367.1 | 366.7 | 367.1 | 367.5 | 367.8 | 368.2 | 368.5 | 369.0 | 369.4 |
| 140°   | 383.4 | 382.8 | 382.1 | 381.4 | 382.1 | 382.8 | 383.4 | 384.1 | 384.5 | 384.6 | 384.7 |
| 142.5° | 398.0 | 397.5 | 397.0 | 396.4 | 397.0 | 397.5 | 398.0 | 398.5 | 398.8 | 398.9 | 399.0 |
| 145°   | 419.3 | 419.0 | 418.6 | 418.2 | 418.6 | 419.0 | 419.3 | 419.7 | 419.9 | 420.0 | 420.1 |
| 147.5° | 439.2 | 438.6 | 438.0 | 437.4 | 438.0 | 438.6 | 439.2 | 439.8 | 440.1 | 440.1 | 440.1 |
| 150°   | 451.5 | 450.9 | 450.3 | 449.8 | 450.3 | 450.9 | 451.5 | 452.0 | 452.3 | 452.3 | 452.3 |
| 152.5° | 463.3 | 462.7 | 462.2 | 461.8 | 462.2 | 462.7 | 463.3 | 463.7 | 463.9 | 463.7 | 463.5 |
| 155°   | 479.9 | 479.3 | 478.6 | 478.0 | 478.6 | 479.3 | 479.9 | 480.6 | 480.8 | 480.4 | 480.0 |
| 157.5° | 494.4 | 493.8 | 493.2 | 492.8 | 493.2 | 493.8 | 494.4 | 494.8 | 494.9 | 494.6 | 494.2 |
| 160°   | 503.4 | 503.0 | 502.7 | 502.3 | 502.7 | 503.0 | 503.4 | 503.8 | 503.8 | 503.3 | 502.8 |
| 162.5° | 511.3 | 510.7 | 510.1 | 509.4 | 510.1 | 510.7 | 511.3 | 511.9 | 512.0 | 511.5 | 511.0 |
| 165°   | 521.8 | 521.1 | 520.5 | 519.8 | 520.5 | 521.1 | 521.8 | 522.5 | 522.5 | 522.0 | 521.4 |
| 167.5° | 530.4 | 529.8 | 529.2 | 528.6 | 529.2 | 529.8 | 530.4 | 530.9 | 530.9 | 530.4 | 529.8 |
| 170°   | 535.1 | 534.4 | 533.8 | 533.1 | 533.8 | 534.4 | 535.1 | 535.7 | 535.7 | 535.1 | 534.4 |
| 172.5° | 538.5 | 537.8 | 537.2 | 536.5 | 537.2 | 537.8 | 538.5 | 539.1 | 539.1 | 538.6 | 538.0 |
| 175°   | 542.3 | 541.7 | 541.0 | 540.4 | 541.0 | 541.7 | 542.3 | 543.0 | 543.0 | 542.4 | 541.9 |
| 177.5° | 543.9 | 543.5 | 542.9 | 542.3 | 542.9 | 543.5 | 543.9 | 544.5 | 544.5 | 544.1 | 543.7 |
| 180°   | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 |



TEST NUMBER: P332391-830

CATALOG NUMBER: S123RDIW-S340D460U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 |
| 2.5°   | 489.7 | 492.1 | 494.6 | 496.8 | 500.3 | 501.9 | 504.2 | 505.1 | 507.7 | 511.5 | 514.7 |
| 5°     | 459.9 | 463.4 | 468.0 | 471.6 | 477.6 | 482.2 | 487.3 | 492.1 | 497.9 | 506.0 | 513.2 |
| 7.5°   | 434.6 | 438.0 | 443.6 | 450.5 | 457.0 | 463.6 | 470.5 | 477.1 | 485.2 | 496.9 | 508.4 |
| 10°    | 417.9 | 422.1 | 428.7 | 436.1 | 444.2 | 450.6 | 458.7 | 467.0 | 477.2 | 490.6 | 504.4 |
| 12.5°  | 403.5 | 406.6 | 414.2 | 421.3 | 430.6 | 438.7 | 446.6 | 456.4 | 467.9 | 482.1 | 498.8 |
| 15°    | 380.6 | 384.9 | 392.4 | 400.3 | 410.0 | 418.6 | 428.9 | 440.7 | 451.9 | 469.5 | 489.7 |
| 17.5°  | 357.5 | 364.2 | 372.0 | 380.9 | 388.0 | 399.9 | 411.0 | 423.2 | 437.1 | 455.6 | 477.9 |
| 20°    | 342.8 | 348.1 | 355.3 | 368.3 | 377.7 | 386.7 | 397.0 | 412.2 | 424.9 | 446.0 | 469.0 |
| 22.5°  | 330.3 | 334.1 | 342.3 | 353.0 | 364.0 | 374.4 | 384.9 | 399.4 | 415.1 | 435.1 | 460.1 |
| 25°    | 311.8 | 318.0 | 324.1 | 331.8 | 343.7 | 356.2 | 367.6 | 379.9 | 396.6 | 417.9 | 444.9 |
| 27.5°  | 293.8 | 299.4 | 305.4 | 314.8 | 323.9 | 335.5 | 347.5 | 361.6 | 379.5 | 402.0 | 429.4 |
| 30°    | 282.2 | 286.3 | 292.1 | 304.2 | 312.3 | 322.3 | 336.4 | 348.9 | 365.6 | 389.6 | 418.6 |
| 32.5°  | 270.2 | 275.6 | 281.9 | 291.2 | 301.2 | 310.8 | 323.6 | 337.1 | 354.2 | 377.8 | 407.5 |
| 35°    | 253.2 | 259.6 | 265.9 | 272.8 | 282.9 | 292.8 | 303.5 | 318.4 | 335.7 | 358.6 | 387.8 |
| 37.5°  | 237.5 | 242.6 | 247.8 | 256.3 | 265.8 | 275.2 | 285.3 | 300.0 | 316.3 | 341.0 | 367.8 |
| 40°    | 227.5 | 232.1 | 236.1 | 244.9 | 254.1 | 264.2 | 274.1 | 287.0 | 304.5 | 327.6 | 353.5 |
| 42.5°  | 216.6 | 220.8 | 226.2 | 233.5 | 243.4 | 251.8 | 261.7 | 274.0 | 290.5 | 314.0 | 336.7 |
| 45°    | 200.3 | 205.1 | 209.7 | 216.5 | 226.4 | 234.8 | 243.6 | 255.1 | 272.1 | 291.4 | 311.6 |
| 47.5°  | 183.2 | 188.1 | 193.4 | 200.0 | 208.6 | 217.1 | 225.8 | 236.1 | 251.6 | 270.5 | 284.2 |
| 50°    | 172.4 | 176.3 | 181.6 | 188.2 | 196.1 | 205.1 | 213.0 | 224.2 | 238.9 | 253.8 | 265.7 |
| 52.5°  | 161.2 | 164.8 | 170.7 | 177.7 | 185.0 | 192.8 | 201.2 | 210.8 | 224.1 | 238.2 | 247.6 |
| 55°    | 143.6 | 148.0 | 153.1 | 159.9 | 167.1 | 173.7 | 181.8 | 191.7 | 202.3 | 212.8 | 219.1 |
| 57.5°  | 127.2 | 130.9 | 135.2 | 142.1 | 148.5 | 156.3 | 163.6 | 171.3 | 181.1 | 189.0 | 193.1 |
| 60°    | 115.3 | 118.6 | 124.0 | 130.3 | 136.1 | 143.0 | 151.3 | 159.0 | 166.5 | 172.9 | 176.1 |
| 62.5°  | 104.1 | 107.8 | 112.6 | 118.3 | 124.7 | 131.2 | 138.5 | 145.0 | 151.6 | 157.0 | 159.3 |
| 65°    | 89.4  | 92.5  | 96.0  | 101.2 | 106.5 | 113.1 | 118.8 | 125.4 | 130.3 | 133.3 | 135.3 |
| 67.5°  | 76.1  | 78.0  | 80.7  | 84.3  | 89.4  | 95.2  | 100.7 | 105.8 | 109.9 | 112.0 | 113.8 |
| 70°    | 67.4  | 68.7  | 70.7  | 74.2  | 78.1  | 83.2  | 89.0  | 92.7  | 96.1  | 97.9  | 99.7  |
| 72.5°  | 58.8  | 60.5  | 62.3  | 65.1  | 68.3  | 72.0  | 76.2  | 80.7  | 82.7  | 84.7  | 85.8  |
| 75°    | 44.6  | 47.0  | 49.4  | 51.2  | 53.3  | 56.2  | 59.9  | 62.8  | 63.9  | 65.7  | 65.9  |
| 77.5°  | 33.6  | 34.2  | 35.9  | 38.1  | 40.0  | 42.0  | 44.4  | 46.9  | 47.5  | 48.4  | 49.0  |
| 80°    | 27.7  | 27.7  | 27.7  | 29.0  | 31.2  | 32.7  | 34.9  | 36.2  | 37.1  | 37.3  | 37.5  |
| 82.5°  | 22.2  | 22.2  | 22.1  | 22.3  | 23.1  | 23.9  | 25.9  | 27.4  | 28.2  | 28.0  | 27.5  |
| 85°    | 14.5  | 14.0  | 14.0  | 13.9  | 14.0  | 13.6  | 13.4  | 14.2  | 15.6  | 15.6  | 15.2  |
| 87.5°  | 8.1   | 7.8   | 7.8   | 7.4   | 7.0   | 6.5   | 5.7   | 5.7   | 5.6   | 6.0   | 5.7   |
| 90°    | 10.7  | 10.3  | 9.0   | 7.8   | 6.5   | 5.3   | 4.2   | 3.3   | 2.4   | 1.4   | 0.5   |
| 92.5°  | 16.7  | 16.4  | 15.7  | 15.0  | 14.3  | 13.6  | 12.9  | 12.3  | 11.6  | 11.0  | 10.4  |
| 95°    | 32.0  | 31.6  | 30.8  | 30.1  | 29.3  | 28.6  | 27.9  | 27.2  | 26.5  | 25.8  | 25.2  |
| 97.5°  | 49.9  | 49.5  | 48.9  | 48.4  | 47.8  | 47.2  | 46.8  | 46.3  | 45.7  | 45.2  | 44.8  |
| 100°   | 63.1  | 62.8  | 62.3  | 61.8  | 61.4  | 60.9  | 60.3  | 59.8  | 59.2  | 58.6  | 58.1  |
| 102.5° | 78.1  | 77.9  | 77.2  | 76.5  | 76.0  | 75.3  | 74.8  | 74.5  | 74.2  | 73.8  | 73.4  |
| 105°   | 100.8 | 100.8 | 99.9  | 99.1  | 98.2  | 97.4  | 96.9  | 96.7  | 96.5  | 96.3  | 96.1  |
| 107.5° | 124.8 | 124.5 | 124.1 | 123.8 | 123.5 | 123.1 | 122.9 | 122.7 | 122.6 | 122.5 | 122.4 |
| 110°   | 140.9 | 140.5 | 140.3 | 140.2 | 140.0 | 139.8 | 139.6 | 139.4 | 139.2 | 139.0 | 138.8 |



TEST NUMBER: P332391-830

CATALOG NUMBER: S123RDIW-S340D460U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 157.0 | 156.6 | 156.6 | 156.6 | 156.5 | 156.5 | 156.4 | 156.3 | 156.2 | 156.0 | 155.9 |
| 115°   | 182.1 | 182.0 | 182.2 | 182.4 | 182.6 | 182.8 | 182.7 | 182.4 | 182.1 | 181.8 | 181.5 |
| 117.5° | 207.1 | 207.1 | 207.4 | 207.5 | 207.8 | 208.0 | 208.1 | 207.9 | 207.7 | 207.5 | 207.4 |
| 120°   | 223.8 | 223.9 | 224.3 | 224.8 | 225.3 | 225.7 | 225.6 | 225.1 | 224.5 | 223.9 | 223.4 |
| 122.5° | 240.6 | 240.9 | 241.2 | 241.4 | 241.7 | 241.9 | 241.8 | 241.4 | 241.0 | 240.5 | 240.2 |
| 125°   | 265.7 | 266.1 | 266.3 | 266.5 | 266.6 | 266.8 | 266.8 | 266.6 | 266.3 | 266.0 | 265.7 |
| 127.5° | 290.5 | 291.1 | 291.2 | 291.4 | 291.7 | 291.9 | 291.7 | 291.1 | 290.5 | 289.8 | 289.3 |
| 130°   | 306.7 | 307.1 | 307.4 | 307.6 | 307.9 | 308.2 | 308.0 | 307.3 | 306.5 | 305.8 | 305.0 |
| 132.5° | 322.7 | 323.2 | 323.4 | 323.6 | 323.8 | 324.0 | 323.8 | 323.0 | 322.3 | 321.4 | 320.7 |
| 135°   | 346.5 | 346.9 | 346.9 | 347.0 | 347.1 | 347.2 | 346.9 | 346.4 | 345.8 | 345.3 | 344.7 |
| 137.5° | 369.8 | 370.1 | 369.9 | 369.7 | 369.4 | 369.2 | 368.8 | 368.3 | 367.9 | 367.4 | 366.9 |
| 140°   | 384.7 | 384.8 | 384.7 | 384.7 | 384.6 | 384.5 | 384.2 | 383.7 | 383.2 | 382.8 | 382.3 |
| 142.5° | 399.1 | 399.2 | 399.1 | 398.9 | 398.7 | 398.5 | 398.2 | 397.8 | 397.3 | 396.8 | 396.3 |
| 145°   | 420.2 | 420.3 | 420.0 | 419.7 | 419.4 | 419.1 | 419.0 | 418.8 | 418.6 | 418.4 | 418.2 |
| 147.5° | 440.1 | 440.1 | 439.8 | 439.5 | 439.2 | 438.9 | 438.7 | 438.3 | 438.0 | 437.6 | 437.3 |
| 150°   | 452.3 | 452.3 | 452.1 | 451.9 | 451.8 | 451.6 | 451.4 | 451.2 | 451.0 | 450.8 | 450.6 |
| 152.5° | 463.4 | 463.3 | 463.2 | 463.1 | 462.9 | 462.8 | 462.6 | 462.3 | 462.1 | 461.8 | 461.6 |
| 155°   | 479.7 | 479.3 | 479.2 | 479.1 | 479.0 | 478.9 | 478.8 | 478.8 | 478.8 | 478.8 | 478.8 |
| 157.5° | 493.7 | 493.3 | 493.2 | 493.2 | 493.1 | 493.0 | 493.0 | 493.1 | 493.3 | 493.4 | 493.5 |
| 160°   | 502.4 | 501.9 | 501.9 | 501.9 | 501.9 | 501.9 | 502.0 | 502.2 | 502.4 | 502.6 | 502.8 |
| 162.5° | 510.6 | 510.1 | 510.0 | 509.9 | 509.8 | 509.8 | 509.9 | 510.1 | 510.4 | 510.7 | 511.0 |
| 165°   | 520.8 | 520.3 | 520.3 | 520.3 | 520.3 | 520.3 | 520.4 | 520.7 | 520.9 | 521.2 | 521.5 |
| 167.5° | 529.2 | 528.6 | 528.6 | 528.5 | 528.4 | 528.3 | 528.5 | 528.9 | 529.2 | 529.6 | 530.0 |
| 170°   | 533.8 | 533.1 | 533.1 | 533.1 | 533.1 | 533.1 | 533.3 | 533.7 | 534.0 | 534.4 | 534.8 |
| 172.5° | 537.4 | 536.8 | 536.8 | 536.8 | 536.8 | 536.8 | 537.0 | 537.4 | 537.8 | 538.2 | 538.6 |
| 175°   | 541.3 | 540.7 | 540.7 | 540.7 | 540.7 | 540.7 | 540.9 | 541.3 | 541.7 | 542.1 | 542.4 |
| 177.5° | 543.2 | 542.7 | 542.7 | 542.7 | 542.7 | 542.7 | 542.9 | 543.2 | 543.5 | 543.8 | 544.1 |
| 180°   | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 |



TEST NUMBER: P332391-830

CATALOG NUMBER: S123RDIW-S340D460U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 |
| 2.5°   | 515.8 | 517.7 | 520.2 | 523.9 | 526.7 | 529.1 | 529.6 | 530.4 | 532.2 | 535.1 | 537.3 |
| 5°     | 519.2 | 524.1 | 532.3 | 540.2 | 548.7 | 555.8 | 562.4 | 567.0 | 571.4 | 580.6 | 588.1 |
| 7.5°   | 518.0 | 529.3 | 542.1 | 556.2 | 570.6 | 584.5 | 597.4 | 609.0 | 620.5 | 634.0 | 649.2 |
| 10°    | 517.4 | 530.6 | 547.7 | 565.9 | 585.9 | 605.4 | 624.3 | 639.0 | 656.1 | 671.6 | 691.1 |
| 12.5°  | 514.1 | 533.0 | 553.5 | 576.7 | 601.3 | 623.9 | 648.8 | 669.0 | 688.6 | 710.9 | 733.6 |
| 15°    | 509.6 | 532.7 | 558.6 | 589.6 | 627.0 | 654.1 | 679.7 | 715.0 | 739.1 | 763.3 | 795.8 |
| 17.5°  | 501.7 | 529.9 | 562.2 | 602.5 | 633.6 | 670.2 | 708.5 | 736.5 | 769.0 | 803.0 | 832.5 |
| 20°    | 495.4 | 528.1 | 564.4 | 603.9 | 643.7 | 683.3 | 720.5 | 753.8 | 787.5 | 826.8 | 850.9 |
| 22.5°  | 489.1 | 521.4 | 559.1 | 601.1 | 643.8 | 685.7 | 727.6 | 766.9 | 804.6 | 844.3 | 875.2 |
| 25°    | 475.6 | 514.1 | 554.9 | 597.8 | 639.9 | 686.0 | 736.0 | 779.8 | 826.5 | 867.4 | 896.6 |
| 27.5°  | 462.0 | 497.3 | 537.9 | 581.4 | 628.2 | 682.7 | 741.6 | 791.3 | 838.1 | 867.4 | 876.6 |
| 30°    | 449.7 | 487.0 | 524.4 | 568.5 | 619.3 | 680.0 | 742.6 | 799.6 | 837.9 | 850.7 | 841.2 |
| 32.5°  | 437.2 | 471.1 | 508.0 | 553.3 | 607.1 | 673.5 | 744.0 | 794.7 | 817.7 | 808.0 | 769.6 |
| 35°    | 415.3 | 445.7 | 481.5 | 526.8 | 588.7 | 670.0 | 738.3 | 772.5 | 766.9 | 711.9 | 639.4 |
| 37.5°  | 391.7 | 416.6 | 449.7 | 497.0 | 569.7 | 655.7 | 713.3 | 718.4 | 668.9 | 584.7 | 501.0 |
| 40°    | 373.1 | 395.5 | 429.5 | 478.9 | 554.9 | 641.7 | 688.2 | 667.8 | 591.2 | 497.4 | 427.5 |
| 42.5°  | 355.0 | 373.9 | 406.7 | 460.0 | 540.8 | 622.5 | 650.8 | 606.3 | 517.9 | 429.2 | 365.7 |
| 45°    | 324.3 | 342.1 | 375.0 | 429.7 | 512.1 | 585.9 | 582.1 | 504.8 | 416.3 | 345.0 | 292.3 |
| 47.5°  | 295.3 | 310.9 | 341.8 | 397.6 | 478.3 | 530.9 | 496.1 | 413.8 | 338.7 | 281.4 | 243.8 |
| 50°    | 274.8 | 290.1 | 320.8 | 376.0 | 451.3 | 489.7 | 439.9 | 360.6 | 291.8 | 244.4 | 214.5 |
| 52.5°  | 255.1 | 270.0 | 298.1 | 351.9 | 418.6 | 441.6 | 388.0 | 314.5 | 257.2 | 216.3 | 190.7 |
| 55°    | 227.5 | 238.9 | 264.2 | 315.6 | 365.4 | 370.7 | 316.4 | 255.0 | 207.7 | 179.2 | 161.6 |
| 57.5°  | 199.4 | 209.2 | 234.2 | 275.1 | 310.1 | 307.4 | 256.0 | 202.7 | 171.0 | 149.8 | 137.0 |
| 60°    | 181.2 | 190.9 | 212.8 | 247.9 | 274.3 | 265.0 | 217.8 | 175.0 | 147.8 | 132.2 | 122.1 |
| 62.5°  | 164.1 | 171.6 | 192.3 | 217.9 | 236.9 | 226.4 | 186.2 | 150.8 | 129.1 | 116.0 | 108.0 |
| 65°    | 139.4 | 145.6 | 162.0 | 175.5 | 186.0 | 175.9 | 142.5 | 117.9 | 102.4 | 93.1  | 87.7  |
| 67.5°  | 116.0 | 119.9 | 130.3 | 135.2 | 142.6 | 131.5 | 107.2 | 90.7  | 81.8  | 74.1  | 70.2  |
| 70°    | 101.2 | 104.1 | 109.6 | 113.6 | 115.5 | 104.1 | 86.1  | 74.0  | 66.5  | 61.1  | 58.6  |
| 72.5°  | 86.4  | 89.0  | 90.1  | 93.3  | 92.3  | 81.6  | 69.2  | 59.6  | 54.2  | 50.5  | 47.4  |
| 75°    | 66.1  | 67.2  | 66.1  | 64.8  | 61.9  | 54.5  | 45.9  | 41.1  | 37.1  | 35.3  | 34.2  |
| 77.5°  | 48.2  | 47.8  | 46.4  | 44.3  | 39.4  | 34.7  | 30.1  | 28.5  | 26.8  | 25.8  | 25.4  |
| 80°    | 37.1  | 36.2  | 34.9  | 31.6  | 27.4  | 24.1  | 23.1  | 22.0  | 21.3  | 20.2  | 20.0  |
| 82.5°  | 27.6  | 27.1  | 24.9  | 22.1  | 19.2  | 17.6  | 16.8  | 16.3  | 15.6  | 15.1  | 15.1  |
| 85°    | 14.7  | 14.0  | 11.6  | 10.1  | 9.7   | 9.2   | 9.0   | 9.0   | 8.1   | 7.9   | 7.9   |
| 87.5°  | 5.0   | 4.1   | 4.1   | 3.9   | 4.1   | 4.0   | 4.3   | 4.2   | 4.3   | 4.6   | 4.3   |
| 90°    | 1.4   | 2.4   | 3.3   | 4.2   | 5.3   | 6.5   | 7.8   | 9.0   | 10.3  | 10.7  | 11.0  |
| 92.5°  | 11.0  | 11.6  | 12.3  | 12.9  | 13.6  | 14.3  | 15.0  | 15.7  | 16.4  | 16.7  | 17.0  |
| 95°    | 25.8  | 26.5  | 27.2  | 27.9  | 28.6  | 29.3  | 30.1  | 30.8  | 31.6  | 32.0  | 32.3  |
| 97.5°  | 45.2  | 45.7  | 46.3  | 46.8  | 47.2  | 47.8  | 48.4  | 48.9  | 49.5  | 49.9  | 50.3  |
| 100°   | 58.6  | 59.2  | 59.8  | 60.3  | 60.9  | 61.4  | 61.8  | 62.3  | 62.8  | 63.1  | 63.3  |
| 102.5° | 73.8  | 74.2  | 74.5  | 74.8  | 75.3  | 76.0  | 76.5  | 77.2  | 77.9  | 78.1  | 78.4  |
| 105°   | 96.3  | 96.5  | 96.7  | 96.9  | 97.4  | 98.2  | 99.1  | 99.9  | 100.8 | 100.8 | 100.8 |
| 107.5° | 122.5 | 122.6 | 122.7 | 122.9 | 123.1 | 123.5 | 123.8 | 124.1 | 124.5 | 124.8 | 125.1 |
| 110°   | 139.0 | 139.2 | 139.4 | 139.6 | 139.8 | 140.0 | 140.2 | 140.3 | 140.5 | 140.9 | 141.3 |





TEST NUMBER: P332391-830

CATALOG NUMBER: S123RDIW-S340D460U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 156.0 | 156.2 | 156.3 | 156.4 | 156.5 | 156.5 | 156.6 | 156.6 | 156.6 | 157.0 | 157.5 |
| 115°   | 181.8 | 182.1 | 182.4 | 182.7 | 182.8 | 182.6 | 182.4 | 182.2 | 182.0 | 182.1 | 182.2 |
| 117.5° | 207.5 | 207.7 | 207.9 | 208.1 | 208.0 | 207.8 | 207.5 | 207.4 | 207.1 | 207.1 | 207.1 |
| 120°   | 223.9 | 224.5 | 225.1 | 225.6 | 225.7 | 225.3 | 224.8 | 224.3 | 223.9 | 223.8 | 223.7 |
| 122.5° | 240.5 | 241.0 | 241.4 | 241.8 | 241.9 | 241.7 | 241.4 | 241.2 | 240.9 | 240.6 | 240.4 |
| 125°   | 266.0 | 266.3 | 266.6 | 266.8 | 266.8 | 266.6 | 266.5 | 266.3 | 266.1 | 265.7 | 265.3 |
| 127.5° | 289.8 | 290.5 | 291.1 | 291.7 | 291.9 | 291.7 | 291.4 | 291.2 | 291.1 | 290.5 | 290.0 |
| 130°   | 305.8 | 306.5 | 307.3 | 308.0 | 308.2 | 307.9 | 307.6 | 307.4 | 307.1 | 306.7 | 306.3 |
| 132.5° | 321.4 | 322.3 | 323.0 | 323.8 | 324.0 | 323.8 | 323.6 | 323.4 | 323.2 | 322.7 | 322.3 |
| 135°   | 345.3 | 345.8 | 346.4 | 346.9 | 347.2 | 347.1 | 347.0 | 346.9 | 346.9 | 346.5 | 346.1 |
| 137.5° | 367.4 | 367.9 | 368.3 | 368.8 | 369.2 | 369.4 | 369.7 | 369.9 | 370.1 | 369.8 | 369.4 |
| 140°   | 382.8 | 383.2 | 383.7 | 384.2 | 384.5 | 384.6 | 384.7 | 384.7 | 384.8 | 384.7 | 384.7 |
| 142.5° | 396.8 | 397.3 | 397.8 | 398.2 | 398.5 | 398.7 | 398.9 | 399.1 | 399.2 | 399.1 | 399.0 |
| 145°   | 418.4 | 418.6 | 418.8 | 419.0 | 419.1 | 419.4 | 419.7 | 420.0 | 420.3 | 420.2 | 420.1 |
| 147.5° | 437.6 | 438.0 | 438.3 | 438.7 | 438.9 | 439.2 | 439.5 | 439.8 | 440.1 | 440.1 | 440.1 |
| 150°   | 450.8 | 451.0 | 451.2 | 451.4 | 451.6 | 451.8 | 451.9 | 452.1 | 452.3 | 452.3 | 452.3 |
| 152.5° | 461.8 | 462.1 | 462.3 | 462.6 | 462.8 | 462.9 | 463.1 | 463.2 | 463.3 | 463.4 | 463.5 |
| 155°   | 478.8 | 478.8 | 478.8 | 478.8 | 478.9 | 479.0 | 479.1 | 479.2 | 479.3 | 479.7 | 480.0 |
| 157.5° | 493.4 | 493.3 | 493.1 | 493.0 | 493.0 | 493.1 | 493.2 | 493.2 | 493.3 | 493.7 | 494.2 |
| 160°   | 502.6 | 502.4 | 502.2 | 502.0 | 501.9 | 501.9 | 501.9 | 501.9 | 501.9 | 502.4 | 502.8 |
| 162.5° | 510.7 | 510.4 | 510.1 | 509.9 | 509.8 | 509.8 | 509.9 | 510.0 | 510.1 | 510.6 | 511.0 |
| 165°   | 521.2 | 520.9 | 520.7 | 520.4 | 520.3 | 520.3 | 520.3 | 520.3 | 520.3 | 520.8 | 521.4 |
| 167.5° | 529.6 | 529.2 | 528.9 | 528.5 | 528.3 | 528.4 | 528.5 | 528.6 | 528.6 | 529.2 | 529.8 |
| 170°   | 534.4 | 534.0 | 533.7 | 533.3 | 533.1 | 533.1 | 533.1 | 533.1 | 533.1 | 533.8 | 534.4 |
| 172.5° | 538.2 | 537.8 | 537.4 | 537.0 | 536.8 | 536.8 | 536.8 | 536.8 | 536.8 | 537.4 | 538.0 |
| 175°   | 542.1 | 541.7 | 541.3 | 540.9 | 540.7 | 540.7 | 540.7 | 540.7 | 540.7 | 541.3 | 541.9 |
| 177.5° | 543.8 | 543.5 | 543.2 | 542.9 | 542.7 | 542.7 | 542.7 | 542.7 | 542.7 | 543.2 | 543.7 |
| 180°   | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 |



TEST NUMBER: P332391-830

CATALOG NUMBER: S123RDIW-S340D460U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 335°  | 340°  | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 | 512.9 |
| 2.5°   | 541.1 | 541.1 | 541.8 | 544.4 | 544.8 | 547.1 | 546.4 |
| 5°     | 594.7 | 598.8 | 600.4 | 607.0 | 610.9 | 612.7 | 609.2 |
| 7.5°   | 660.2 | 671.9 | 677.5 | 684.5 | 690.5 | 692.4 | 687.6 |
| 10°    | 707.9 | 720.3 | 730.6 | 737.0 | 742.9 | 746.9 | 751.9 |
| 12.5°  | 754.1 | 769.3 | 779.1 | 788.1 | 794.2 | 799.2 | 800.0 |
| 15°    | 804.4 | 827.2 | 844.5 | 857.3 | 863.7 | 867.0 | 865.6 |
| 17.5°  | 855.0 | 876.2 | 888.5 | 901.5 | 910.3 | 910.8 | 911.1 |
| 20°    | 883.6 | 904.3 | 918.6 | 928.2 | 938.1 | 937.6 | 939.9 |
| 22.5°  | 902.8 | 919.1 | 930.0 | 937.0 | 940.4 | 938.7 | 939.1 |
| 25°    | 911.7 | 916.6 | 914.6 | 903.4 | 900.5 | 890.2 | 892.0 |
| 27.5°  | 865.5 | 842.7 | 819.1 | 788.7 | 764.7 | 745.6 | 746.5 |
| 30°    | 802.9 | 762.4 | 716.3 | 677.7 | 643.0 | 633.3 | 612.7 |
| 32.5°  | 715.2 | 654.6 | 600.6 | 564.5 | 534.8 | 526.7 | 508.7 |
| 35°    | 566.6 | 507.7 | 452.1 | 418.8 | 405.6 | 387.1 | 386.9 |
| 37.5°  | 440.4 | 388.5 | 359.2 | 334.1 | 321.0 | 309.8 | 308.8 |
| 40°    | 370.4 | 330.1 | 307.8 | 289.8 | 276.9 | 268.5 | 266.6 |
| 42.5°  | 321.6 | 289.0 | 268.2 | 257.0 | 247.0 | 242.7 | 239.5 |
| 45°    | 262.6 | 240.6 | 226.2 | 216.1 | 211.5 | 208.2 | 206.4 |
| 47.5°  | 219.7 | 205.0 | 195.1 | 188.3 | 184.6 | 181.2 | 182.1 |
| 50°    | 196.3 | 184.3 | 177.0 | 170.6 | 167.8 | 165.3 | 165.6 |
| 52.5°  | 177.5 | 166.6 | 160.8 | 156.2 | 152.7 | 150.9 | 150.1 |
| 55°    | 150.6 | 143.8 | 137.9 | 134.6 | 132.6 | 130.3 | 129.6 |
| 57.5°  | 128.5 | 123.2 | 118.4 | 114.7 | 114.1 | 111.9 | 112.2 |
| 60°    | 113.8 | 109.3 | 105.4 | 103.4 | 101.9 | 99.9  | 100.6 |
| 62.5°  | 101.6 | 97.9  | 94.3  | 92.7  | 91.1  | 89.7  | 90.0  |
| 65°    | 83.2  | 79.7  | 77.5  | 76.6  | 76.0  | 75.3  | 74.6  |
| 67.5°  | 66.4  | 64.2  | 62.8  | 60.9  | 59.6  | 59.4  | 58.7  |
| 70°    | 55.8  | 52.9  | 50.5  | 48.1  | 47.4  | 47.2  | 47.4  |
| 72.5°  | 44.7  | 42.9  | 42.2  | 41.1  | 40.9  | 40.3  | 40.7  |
| 75°    | 33.6  | 32.9  | 32.5  | 31.6  | 31.6  | 31.6  | 31.6  |
| 77.5°  | 24.8  | 24.4  | 24.1  | 23.9  | 23.8  | 23.4  | 23.4  |
| 80°    | 19.3  | 19.1  | 18.7  | 18.7  | 18.5  | 18.7  | 18.5  |
| 82.5°  | 14.6  | 14.5  | 14.1  | 14.1  | 13.9  | 13.8  | 13.9  |
| 85°    | 7.4   | 7.3   | 7.7   | 7.3   | 7.4   | 7.1   | 7.4   |
| 87.5°  | 4.4   | 4.4   | 4.3   | 4.3   | 4.2   | 4.6   | 4.3   |
| 90°    | 11.4  | 11.8  | 12.1  | 12.3  | 12.4  | 12.6  | 12.8  |
| 92.5°  | 17.3  | 17.6  | 17.7  | 17.6  | 17.4  | 17.3  | 17.2  |
| 95°    | 32.7  | 33.1  | 33.3  | 33.3  | 33.3  | 33.3  | 33.3  |
| 97.5°  | 50.8  | 51.2  | 51.4  | 51.4  | 51.4  | 51.3  | 51.3  |
| 100°   | 63.6  | 63.9  | 64.2  | 64.4  | 64.6  | 64.8  | 64.9  |
| 102.5° | 78.7  | 79.0  | 79.1  | 79.1  | 79.0  | 79.0  | 78.9  |
| 105°   | 100.8 | 100.8 | 100.9 | 101.1 | 101.3 | 101.5 | 101.7 |
| 107.5° | 125.4 | 125.6 | 125.7 | 125.6 | 125.5 | 125.5 | 125.4 |
| 110°   | 141.7 | 142.0 | 142.1 | 141.9 | 141.8 | 141.6 | 141.4 |



TEST NUMBER: P332391-830

CATALOG NUMBER: S123RDIW-S340D460U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 335°  | 340°  | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 158.0 | 158.4 | 158.6 | 158.5 | 158.5 | 158.5 | 158.4 |
| 115°   | 182.3 | 182.4 | 182.4 | 182.3 | 182.2 | 182.1 | 182.0 |
| 117.5° | 207.0 | 207.0 | 206.9 | 206.6 | 206.3 | 206.0 | 205.8 |
| 120°   | 223.6 | 223.5 | 223.3 | 223.1 | 222.9 | 222.7 | 222.5 |
| 122.5° | 240.2 | 239.9 | 239.7 | 239.4 | 239.1 | 238.8 | 238.6 |
| 125°   | 264.9 | 264.6 | 264.2 | 263.8 | 263.4 | 263.1 | 262.7 |
| 127.5° | 289.5 | 288.9 | 288.4 | 288.0 | 287.6 | 287.1 | 286.7 |
| 130°   | 305.9 | 305.6 | 305.1 | 304.4 | 303.8 | 303.1 | 302.4 |
| 132.5° | 321.8 | 321.3 | 320.8 | 320.4 | 319.8 | 319.3 | 318.8 |
| 135°   | 345.7 | 345.3 | 345.1 | 344.9 | 344.7 | 344.5 | 344.3 |
| 137.5° | 369.0 | 368.5 | 368.2 | 367.8 | 367.5 | 367.1 | 366.7 |
| 140°   | 384.6 | 384.5 | 384.1 | 383.4 | 382.8 | 382.1 | 381.4 |
| 142.5° | 398.9 | 398.8 | 398.5 | 398.0 | 397.5 | 397.0 | 396.4 |
| 145°   | 420.0 | 419.9 | 419.7 | 419.3 | 419.0 | 418.6 | 418.2 |
| 147.5° | 440.1 | 440.1 | 439.8 | 439.2 | 438.6 | 438.0 | 437.4 |
| 150°   | 452.3 | 452.3 | 452.0 | 451.5 | 450.9 | 450.3 | 449.8 |
| 152.5° | 463.7 | 463.9 | 463.7 | 463.3 | 462.7 | 462.2 | 461.8 |
| 155°   | 480.4 | 480.8 | 480.6 | 479.9 | 479.3 | 478.6 | 478.0 |
| 157.5° | 494.6 | 494.9 | 494.8 | 494.4 | 493.8 | 493.2 | 492.8 |
| 160°   | 503.3 | 503.8 | 503.8 | 503.4 | 503.0 | 502.7 | 502.3 |
| 162.5° | 511.5 | 512.0 | 511.9 | 511.3 | 510.7 | 510.1 | 509.4 |
| 165°   | 522.0 | 522.5 | 522.5 | 521.8 | 521.1 | 520.5 | 519.8 |
| 167.5° | 530.4 | 530.9 | 530.9 | 530.4 | 529.8 | 529.2 | 528.6 |
| 170°   | 535.1 | 535.7 | 535.7 | 535.1 | 534.4 | 533.8 | 533.1 |
| 172.5° | 538.6 | 539.1 | 539.1 | 538.5 | 537.8 | 537.2 | 536.5 |
| 175°   | 542.4 | 543.0 | 543.0 | 542.3 | 541.7 | 541.0 | 540.4 |
| 177.5° | 544.1 | 544.5 | 544.5 | 543.9 | 543.5 | 542.9 | 542.3 |
| 180°   | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 | 543.8 |

(END OF REPORT)