

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

Test Report Prepared for  
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P1031125

Luminaire Tested: S123RDIW-B340D1320UB2750-4F0-XX-W2A-A\_2700K

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1031125  
REPORT IS A COMBINATION OF REPORTS P994211 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S123RDIW-B340D1320UB2750-4F0-XX-W2A-A\_2700K  
Description: Define 3 Regressed Direct/Indirect Wall Mount with 2700K BioUP LEDs {m-DER=0.473}  
{m-EER=0.52}  
Light Source: -  
Ballast/Driver: -

**Summary**

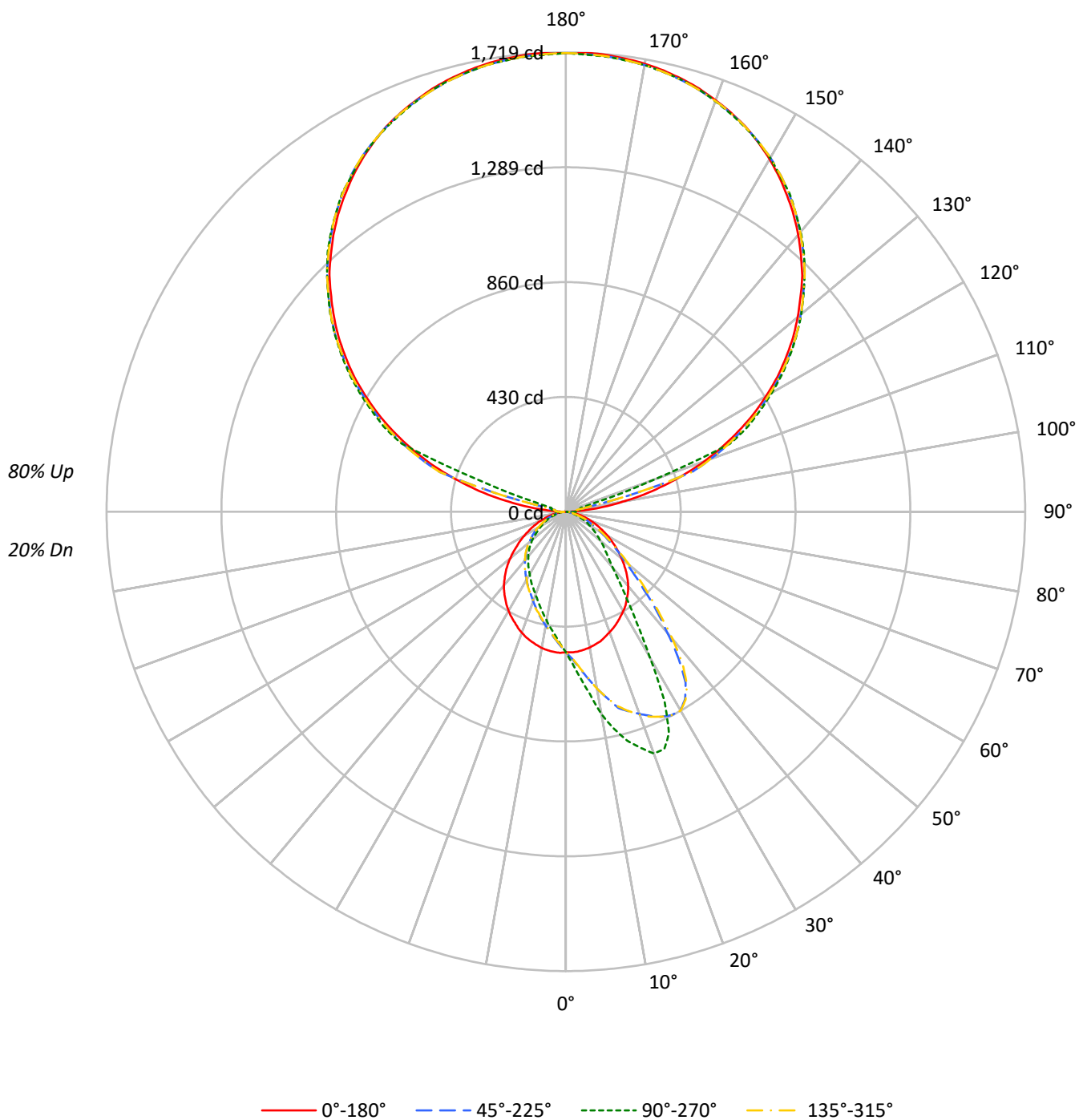
Lumens per Lamp: N/A  
Luminaire Lumens: 6545.0 lumens  
Efficiency: N/A  
Efficacy: 118.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')  
CIE Type: Semi-Indirect

Input Watts (W): 55.1  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1031125

CATALOG NUMBER: S123RDIW-B340D1320UB2750-4F0-XX-W2A-A\_2700K

### Luminous Intensity Polar Plot



TEST NUMBER: P1031125

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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    |    | 20 |    |    |    |    | 20 |    |    |    |    | 20 |
| RC  | 80  |     |     |     | 70 |    |    |    |    | 50 |    |    |    |    | 30 |    |    |    |    | 0  |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 100 | 100 | 100 | 100 | 88 | 88 | 88 | 88 | 67 | 67 | 67 | 47 | 47 | 47 | 29 | 29 | 29 | 29 | 29 | 29 |
| 1   | 91  | 87  | 84  | 80  | 81 | 77 | 74 | 72 | 59 | 57 | 55 | 41 | 40 | 39 | 26 | 25 | 25 | 25 | 25 | 17 |
| 2   | 83  | 76  | 71  | 66  | 73 | 68 | 63 | 59 | 52 | 48 | 46 | 37 | 35 | 33 | 23 | 22 | 21 | 21 | 21 | 15 |
| 3   | 76  | 67  | 60  | 55  | 67 | 60 | 54 | 49 | 46 | 42 | 39 | 33 | 30 | 28 | 20 | 19 | 18 | 18 | 18 | 13 |
| 4   | 70  | 60  | 52  | 47  | 61 | 53 | 47 | 42 | 41 | 36 | 33 | 29 | 26 | 24 | 18 | 17 | 16 | 16 | 16 | 11 |
| 5   | 64  | 53  | 45  | 40  | 56 | 47 | 41 | 36 | 36 | 32 | 28 | 26 | 23 | 21 | 17 | 15 | 14 | 14 | 14 | 10 |
| 6   | 59  | 47  | 40  | 34  | 52 | 42 | 36 | 31 | 33 | 28 | 25 | 24 | 21 | 18 | 15 | 13 | 12 | 12 | 12 | 9  |
| 7   | 54  | 43  | 35  | 30  | 48 | 38 | 32 | 27 | 29 | 25 | 22 | 21 | 18 | 16 | 14 | 12 | 11 | 11 | 11 | 8  |
| 8   | 50  | 39  | 31  | 26  | 44 | 34 | 28 | 24 | 27 | 22 | 19 | 19 | 17 | 14 | 13 | 11 | 10 | 10 | 10 | 7  |
| 9   | 47  | 35  | 28  | 23  | 41 | 31 | 25 | 21 | 24 | 20 | 17 | 18 | 15 | 13 | 12 | 10 | 9  | 9  | 9  | 6  |
| 10  | 43  | 32  | 25  | 21  | 38 | 29 | 23 | 19 | 22 | 18 | 15 | 16 | 14 | 12 | 11 | 9  | 8  | 8  | 8  | 6  |

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

|     | 0°   | 90°  | 180° | 270° |
|-----|------|------|------|------|
| 0°  | 5654 | 5654 | 5654 | 5654 |
| 5°  | 5658 | 6512 | 5673 | 4831 |
| 10° | 5609 | 7861 | 5633 | 4220 |
| 15° | 5551 | 8922 | 5551 | 3721 |
| 20° | 5437 | 9623 | 5468 | 3301 |
| 25° | 5353 | 9143 | 5343 | 3012 |
| 30° | 5256 | 6335 | 5245 | 2729 |
| 35° | 5140 | 4067 | 5117 | 2516 |
| 40° | 4994 | 2872 | 4970 | 2304 |
| 45° | 4742 | 2299 | 4736 | 2097 |
| 50° | 4431 | 1922 | 4417 | 1856 |
| 55° | 4082 | 1585 | 4050 | 1574 |
| 60° | 3739 | 1310 | 3702 | 1338 |
| 65° | 3338 | 1049 | 3360 | 1135 |
| 70° | 2965 | 729  | 3045 | 918  |
| 75° | 2514 | 541  | 2617 | 706  |
| 80° | 2003 | 358  | 2172 | 529  |
| 85° | 1422 | 168  | 1556 | 328  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 7549 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 51.6   | 0.8       |
| 10°-20°   | 161.5  | 2.5       |
| 20°-30°   | 254.3  | 3.9       |
| 30°-40°   | 264.5  | 4.0       |
| 40°-50°   | 226.3  | 3.5       |
| 50°-60°   | 172.5  | 2.6       |
| 60°-70°   | 110.5  | 1.7       |
| 70°-80°   | 52.9   | 0.8       |
| 80°-90°   | 17.3   | 0.3       |
| 90°-100°  | 60.5   | 0.9       |
| 100°-110° | 292.7  | 4.5       |
| 110°-120° | 717.2  | 11.0      |
| 120°-130° | 910.5  | 13.9      |
| 130°-140° | 972.7  | 14.9      |
| 140°-150° | 909.6  | 13.9      |
| 150°-160° | 733.7  | 11.2      |
| 160°-170° | 473.5  | 7.2       |
| 170°-180° | 163.2  | 2.5       |
| 0°-30°    | 467.4  | 7.1       |
| 0°-40°    | 731.9  | 11.2      |
| 0°-60°    | 1130.6 | 17.3      |
| 0°-90°    | 1311.4 | 20.0      |
| 90°-120°  | 1070.5 | 16.4      |
| 90°-150°  | 3863.3 | 59.0      |
| 90°-180°  | 5234.0 | 80.0      |
| 0°-180°   | 6545.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 525  | 525  | 525  | 525  | 525  |      |
| 5°   | 525  | 624  | 526  | 463  | 525  | 50   |
| 15°  | 502  | 886  | 502  | 370  | 502  | 141  |
| 25°  | 456  | 913  | 455  | 301  | 456  | 210  |
| 35°  | 398  | 396  | 396  | 245  | 398  | 249  |
| 45°  | 319  | 211  | 319  | 193  | 319  | 246  |
| 55°  | 225  | 133  | 224  | 132  | 225  | 202  |
| 65°  | 138  | 76   | 139  | 83   | 138  | 138  |
| 75°  | 66   | 32   | 69   | 42   | 66   | 71   |
| 85°  | 15   | 8    | 16   | 15   | 15   | 17   |
| 90°  | 1    | 38   | 1    | 38   | 1    | 5    |
| 95°  | 78   | 48   | 78   | 48   | 78   | 93   |
| 105° | 380  | 56   | 380  | 56   | 380  | 403  |
| 115° | 713  | 750  | 713  | 750  | 713  | 704  |
| 125° | 1005 | 1025 | 1005 | 1025 | 1005 | 898  |
| 135° | 1251 | 1264 | 1251 | 1264 | 1251 | 963  |
| 145° | 1444 | 1458 | 1444 | 1458 | 1444 | 904  |
| 155° | 1590 | 1588 | 1590 | 1588 | 1590 | 733  |
| 165° | 1677 | 1673 | 1677 | 1673 | 1677 | 474  |
| 175° | 1717 | 1710 | 1717 | 1710 | 1717 | 163  |
| 180° | 1717 | 1717 | 1717 | 1717 | 1717 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 |
| 2.5°   | 526.6 | 530.2 | 532.9 | 534.7 | 539.2 | 541.9 | 544.2 | 548.2 | 548.2 | 549.1 | 550.9 |
| 5°     | 524.8 | 532.5 | 537.9 | 545.1 | 554.5 | 559.0 | 565.3 | 570.7 | 578.4 | 582.4 | 586.5 |
| 7.5°   | 520.8 | 531.6 | 542.8 | 553.6 | 567.6 | 576.6 | 582.9 | 596.8 | 606.7 | 618.8 | 628.3 |
| 10°    | 515.4 | 530.2 | 544.6 | 561.3 | 580.2 | 593.6 | 603.1 | 621.5 | 640.4 | 657.5 | 671.9 |
| 12.5°  | 508.6 | 526.6 | 547.3 | 567.6 | 594.1 | 607.6 | 622.9 | 645.8 | 672.8 | 694.4 | 713.7 |
| 15°    | 501.5 | 522.1 | 545.5 | 570.3 | 603.5 | 622.4 | 644.5 | 672.4 | 702.5 | 733.5 | 760.1 |
| 17.5°  | 490.2 | 516.3 | 542.4 | 578.4 | 617.5 | 628.7 | 647.6 | 685.8 | 723.2 | 751.1 | 783.4 |
| 20°    | 479.0 | 508.2 | 541.0 | 573.4 | 615.7 | 641.8 | 659.3 | 699.8 | 739.8 | 773.5 | 804.6 |
| 22.5°  | 468.6 | 499.2 | 533.4 | 574.3 | 613.9 | 640.0 | 662.0 | 704.3 | 750.6 | 788.4 | 826.6 |
| 25°    | 456.0 | 489.3 | 527.1 | 565.8 | 613.9 | 633.7 | 658.0 | 707.0 | 756.0 | 799.6 | 846.8 |
| 27.5°  | 442.5 | 476.3 | 513.6 | 553.2 | 597.2 | 626.5 | 650.3 | 702.9 | 762.7 | 809.5 | 858.1 |
| 30°    | 429.0 | 463.7 | 499.7 | 535.2 | 584.7 | 612.5 | 640.0 | 698.0 | 766.3 | 819.9 | 857.2 |
| 32.5°  | 416.0 | 445.2 | 480.8 | 515.4 | 564.4 | 595.0 | 626.0 | 693.0 | 767.7 | 812.7 | 830.7 |
| 35°    | 398.0 | 428.6 | 457.4 | 494.3 | 543.7 | 573.9 | 610.3 | 692.6 | 761.8 | 789.7 | 780.7 |
| 37.5°  | 381.4 | 407.0 | 434.4 | 467.3 | 518.1 | 557.2 | 595.0 | 680.9 | 742.5 | 744.3 | 693.5 |
| 40°    | 362.9 | 384.1 | 407.0 | 441.6 | 496.5 | 535.2 | 576.1 | 662.9 | 707.4 | 680.9 | 591.4 |
| 42.5°  | 341.8 | 360.7 | 378.7 | 412.4 | 472.2 | 515.4 | 559.5 | 640.4 | 656.6 | 595.4 | 502.4 |
| 45°    | 319.3 | 334.6 | 351.2 | 386.8 | 446.6 | 489.3 | 533.4 | 605.8 | 589.2 | 502.8 | 414.2 |
| 47.5°  | 295.9 | 309.0 | 325.2 | 357.5 | 419.2 | 462.8 | 504.6 | 556.3 | 514.0 | 421.4 | 347.2 |
| 50°    | 272.5 | 282.9 | 298.6 | 331.9 | 391.3 | 430.8 | 469.5 | 503.3 | 443.9 | 361.6 | 286.9 |
| 52.5°  | 249.6 | 257.7 | 273.9 | 302.2 | 359.8 | 397.6 | 425.4 | 438.5 | 378.2 | 298.6 | 249.2 |
| 55°    | 225.3 | 234.3 | 245.1 | 273.9 | 331.0 | 358.9 | 377.3 | 376.9 | 314.8 | 253.2 | 206.0 |
| 57.5°  | 201.9 | 210.0 | 219.5 | 248.3 | 294.6 | 313.5 | 329.2 | 321.6 | 262.6 | 207.3 | 176.7 |
| 60°    | 181.2 | 185.7 | 196.1 | 220.4 | 255.4 | 271.6 | 280.6 | 267.6 | 214.5 | 174.9 | 146.2 |
| 62.5°  | 158.8 | 163.3 | 171.8 | 194.7 | 216.3 | 224.9 | 232.5 | 215.9 | 177.2 | 142.6 | 125.0 |
| 65°    | 138.1 | 143.9 | 149.3 | 167.8 | 179.4 | 189.8 | 188.9 | 174.9 | 138.5 | 116.0 | 101.6 |
| 67.5°  | 120.1 | 122.3 | 126.8 | 138.1 | 143.5 | 151.1 | 151.6 | 135.8 | 111.5 | 94.4  | 85.9  |
| 70°    | 100.7 | 103.0 | 106.1 | 111.5 | 115.1 | 116.9 | 116.0 | 102.1 | 84.1  | 73.8  | 66.1  |
| 72.5°  | 84.1  | 83.7  | 85.9  | 85.9  | 89.5  | 89.0  | 86.3  | 75.6  | 63.9  | 55.3  | 50.8  |
| 75°    | 66.1  | 66.6  | 67.0  | 66.1  | 64.8  | 63.0  | 60.7  | 52.6  | 45.0  | 40.9  | 36.9  |
| 77.5°  | 51.7  | 50.8  | 51.3  | 48.1  | 46.3  | 44.5  | 41.4  | 37.3  | 31.0  | 30.1  | 28.3  |
| 80°    | 36.9  | 36.4  | 36.0  | 34.6  | 30.6  | 28.8  | 26.5  | 24.3  | 22.9  | 22.0  | 21.6  |
| 82.5°  | 24.7  | 24.7  | 23.8  | 21.1  | 18.9  | 17.5  | 17.1  | 16.2  | 14.8  | 14.8  | 14.4  |
| 85°    | 14.8  | 14.4  | 13.5  | 10.8  | 9.4   | 9.4   | 9.4   | 9.4   | 8.5   | 8.5   | 8.1   |
| 87.5°  | 5.8   | 5.4   | 4.0   | 4.0   | 3.6   | 3.6   | 3.6   | 3.1   | 3.1   | 2.7   | 2.7   |
| 90°    | 1.3   | 4.1   | 6.9   | 9.8   | 12.6  | 14.0  | 15.8  | 19.5  | 23.2  | 26.9  | 30.6  |
| 92.5°  | 29.3  | 27.6  | 25.9  | 24.2  | 22.5  | 21.7  | 23.0  | 25.5  | 28.1  | 30.6  | 33.2  |
| 95°    | 77.8  | 66.2  | 54.6  | 42.9  | 31.3  | 25.5  | 27.1  | 30.2  | 33.3  | 36.4  | 39.5  |
| 97.5°  | 141.6 | 133.7 | 125.7 | 117.8 | 109.9 | 105.9 | 98.7  | 84.2  | 69.7  | 55.3  | 40.8  |
| 100°   | 215.5 | 221.2 | 226.9 | 232.6 | 238.3 | 241.1 | 219.0 | 174.8 | 130.5 | 86.3  | 42.1  |
| 102.5° | 299.7 | 303.4 | 307.1 | 310.8 | 314.5 | 316.3 | 291.6 | 242.3 | 193.0 | 143.7 | 94.4  |
| 105°   | 380.1 | 383.2 | 386.3 | 389.4 | 392.5 | 394.1 | 381.3 | 355.8 | 330.3 | 304.8 | 279.3 |
| 107.5° | 465.5 | 468.1 | 470.6 | 473.2 | 475.7 | 477.0 | 479.1 | 483.4 | 487.6 | 491.9 | 496.1 |
| 110°   | 551.0 | 553.3 | 555.5 | 557.8 | 560.1 | 561.2 | 562.8 | 565.9 | 569.0 | 572.1 | 575.2 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 632.6  | 634.6  | 636.6  | 638.5  | 640.5  | 641.5  | 643.1  | 646.2  | 649.3  | 652.5  | 655.6  |
| 115°   | 713.0  | 714.7  | 716.4  | 718.1  | 719.8  | 720.6  | 721.9  | 724.4  | 727.0  | 729.5  | 732.1  |
| 117.5° | 792.0  | 794.0  | 796.0  | 798.0  | 800.0  | 801.0  | 801.7  | 803.1  | 804.5  | 805.9  | 807.3  |
| 120°   | 864.7  | 867.3  | 869.8  | 872.4  | 874.9  | 876.2  | 876.6  | 877.5  | 878.3  | 879.2  | 880.0  |
| 122.5° | 938.7  | 940.7  | 942.7  | 944.6  | 946.6  | 947.6  | 948.2  | 949.3  | 950.4  | 951.6  | 952.7  |
| 125°   | 1005.0 | 1007.3 | 1009.5 | 1011.8 | 1014.1 | 1015.2 | 1015.8 | 1016.9 | 1018.0 | 1019.2 | 1020.3 |
| 127.5° | 1071.4 | 1073.7 | 1075.9 | 1078.2 | 1080.5 | 1081.6 | 1082.3 | 1083.7 | 1085.1 | 1086.5 | 1087.9 |
| 130°   | 1132.6 | 1134.9 | 1137.1 | 1139.4 | 1141.7 | 1142.8 | 1143.4 | 1144.5 | 1145.6 | 1146.8 | 1147.9 |
| 132.5° | 1191.2 | 1193.5 | 1195.8 | 1198.1 | 1200.4 | 1201.5 | 1201.9 | 1202.8 | 1203.6 | 1204.5 | 1205.3 |
| 135°   | 1251.2 | 1252.9 | 1254.6 | 1256.3 | 1258.0 | 1258.8 | 1259.4 | 1260.5 | 1261.6 | 1262.8 | 1263.9 |
| 137.5° | 1302.2 | 1304.5 | 1306.7 | 1309.0 | 1311.3 | 1312.4 | 1312.7 | 1313.3 | 1313.8 | 1314.4 | 1315.0 |
| 140°   | 1353.2 | 1354.9 | 1356.6 | 1358.3 | 1360.0 | 1360.9 | 1361.3 | 1362.2 | 1363.0 | 1363.9 | 1364.7 |
| 142.5° | 1400.4 | 1402.1 | 1403.8 | 1405.5 | 1407.2 | 1408.1 | 1408.5 | 1409.4 | 1410.2 | 1411.1 | 1411.9 |
| 145°   | 1443.8 | 1445.8 | 1447.8 | 1449.7 | 1451.7 | 1452.7 | 1453.0 | 1453.6 | 1454.1 | 1454.7 | 1455.3 |
| 147.5° | 1485.9 | 1487.3 | 1488.7 | 1490.1 | 1491.5 | 1492.2 | 1492.5 | 1493.1 | 1493.6 | 1494.2 | 1494.8 |
| 150°   | 1524.1 | 1525.0 | 1525.8 | 1526.7 | 1527.6 | 1528.0 | 1528.3 | 1528.8 | 1529.4 | 1529.9 | 1530.5 |
| 152.5° | 1558.6 | 1558.9 | 1559.1 | 1559.4 | 1559.7 | 1559.8 | 1559.9 | 1560.2 | 1560.5 | 1560.8 | 1561.1 |
| 155°   | 1590.5 | 1589.9 | 1589.3 | 1588.8 | 1588.2 | 1587.9 | 1588.0 | 1588.3 | 1588.6 | 1588.9 | 1589.2 |
| 157.5° | 1616.0 | 1616.0 | 1616.0 | 1616.0 | 1616.0 | 1616.0 | 1615.9 | 1615.6 | 1615.3 | 1615.0 | 1614.7 |
| 160°   | 1638.9 | 1638.6 | 1638.3 | 1638.0 | 1637.7 | 1637.6 | 1637.5 | 1637.2 | 1636.9 | 1636.7 | 1636.4 |
| 162.5° | 1660.6 | 1659.8 | 1658.9 | 1658.1 | 1657.2 | 1656.8 | 1656.7 | 1656.4 | 1656.1 | 1655.8 | 1655.5 |
| 165°   | 1677.2 | 1676.4 | 1675.5 | 1674.7 | 1673.8 | 1673.4 | 1673.3 | 1673.0 | 1672.7 | 1672.4 | 1672.1 |
| 167.5° | 1691.2 | 1690.1 | 1688.9 | 1687.8 | 1686.7 | 1686.1 | 1686.1 | 1686.1 | 1686.1 | 1686.1 | 1686.1 |
| 170°   | 1702.7 | 1701.6 | 1700.4 | 1699.3 | 1698.2 | 1697.6 | 1697.6 | 1697.6 | 1697.6 | 1697.6 | 1697.6 |
| 172.5° | 1710.3 | 1708.9 | 1707.5 | 1706.1 | 1704.7 | 1704.0 | 1704.1 | 1704.4 | 1704.7 | 1704.9 | 1705.2 |
| 175°   | 1716.7 | 1715.3 | 1713.9 | 1712.4 | 1711.0 | 1710.3 | 1710.4 | 1710.7 | 1711.0 | 1711.3 | 1711.6 |
| 177.5° | 1719.3 | 1717.9 | 1716.5 | 1715.0 | 1713.6 | 1712.9 | 1713.0 | 1713.3 | 1713.6 | 1713.9 | 1714.2 |
| 180°   | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 |
| 2.5°   | 554.5 | 554.5 | 558.6 | 562.6 | 560.4 | 561.7 | 566.7 | 564.9 | 568.5 | 568.0 | 569.4 |
| 5°     | 596.3 | 601.3 | 605.3 | 613.9 | 615.2 | 613.9 | 622.4 | 624.7 | 628.7 | 623.8 | 626.0 |
| 7.5°   | 643.6 | 653.9 | 663.8 | 676.4 | 680.4 | 681.3 | 685.8 | 692.1 | 697.5 | 687.6 | 692.6 |
| 10°    | 689.4 | 705.2 | 725.4 | 736.7 | 746.6 | 750.2 | 753.8 | 757.8 | 764.1 | 769.9 | 765.4 |
| 12.5°  | 738.9 | 761.8 | 781.2 | 801.4 | 813.6 | 812.2 | 822.6 | 825.3 | 830.2 | 831.6 | 833.4 |
| 15°    | 779.4 | 811.8 | 823.9 | 854.0 | 856.7 | 865.7 | 877.4 | 887.8 | 889.1 | 886.4 | 886.4 |
| 17.5°  | 818.1 | 846.0 | 867.5 | 891.8 | 896.8 | 904.4 | 919.3 | 924.2 | 926.0 | 925.6 | 925.6 |
| 20°    | 849.5 | 868.0 | 904.4 | 924.7 | 932.7 | 942.6 | 953.0 | 959.3 | 960.6 | 962.4 | 959.7 |
| 22.5°  | 870.2 | 898.1 | 927.8 | 944.4 | 951.2 | 954.8 | 961.5 | 963.3 | 961.1 | 961.5 | 962.0 |
| 25°    | 886.4 | 913.9 | 931.8 | 936.3 | 935.9 | 931.4 | 926.5 | 917.9 | 917.0 | 913.4 | 906.2 |
| 27.5°  | 890.9 | 901.3 | 899.0 | 880.6 | 862.1 | 860.3 | 830.7 | 814.5 | 796.0 | 798.7 | 788.4 |
| 30°    | 866.6 | 853.1 | 821.2 | 774.4 | 755.1 | 723.6 | 690.3 | 655.7 | 642.2 | 627.4 | 654.8 |
| 32.5°  | 807.3 | 759.2 | 702.5 | 641.8 | 609.4 | 581.5 | 546.0 | 520.8 | 506.4 | 494.3 | 517.6 |
| 35°    | 717.8 | 642.7 | 567.6 | 510.0 | 483.5 | 458.3 | 425.0 | 412.4 | 394.4 | 396.2 | 398.5 |
| 37.5°  | 602.6 | 519.9 | 463.2 | 406.6 | 389.0 | 378.7 | 354.4 | 335.1 | 328.8 | 327.0 | 327.0 |
| 40°    | 494.7 | 426.8 | 376.4 | 331.9 | 318.4 | 309.9 | 290.5 | 281.5 | 274.8 | 273.0 | 275.2 |
| 42.5°  | 409.3 | 351.2 | 312.1 | 282.4 | 273.0 | 262.2 | 254.1 | 242.9 | 241.5 | 238.4 | 242.4 |
| 45°    | 343.6 | 293.2 | 264.0 | 242.4 | 234.3 | 230.3 | 221.3 | 214.5 | 211.8 | 211.4 | 214.5 |
| 47.5°  | 291.4 | 252.3 | 226.7 | 213.2 | 206.9 | 202.8 | 195.2 | 192.5 | 189.8 | 190.7 | 189.3 |
| 50°    | 244.7 | 215.4 | 198.8 | 186.6 | 182.6 | 178.5 | 173.6 | 170.9 | 169.5 | 169.5 | 169.1 |
| 52.5°  | 210.0 | 185.7 | 174.9 | 163.7 | 161.9 | 159.7 | 154.3 | 152.5 | 150.2 | 149.8 | 151.6 |
| 55°    | 179.9 | 163.3 | 152.5 | 145.7 | 143.9 | 139.4 | 137.2 | 134.9 | 133.6 | 132.7 | 133.1 |
| 57.5°  | 153.8 | 141.2 | 134.0 | 128.2 | 125.0 | 123.2 | 119.2 | 118.7 | 117.8 | 117.8 | 117.4 |
| 60°    | 132.2 | 123.2 | 114.7 | 111.1 | 108.8 | 106.6 | 106.1 | 103.4 | 102.1 | 103.0 | 102.5 |
| 62.5°  | 112.0 | 104.8 | 99.8  | 95.8  | 94.4  | 92.6  | 91.3  | 90.4  | 89.0  | 89.5  | 89.5  |
| 65°    | 93.5  | 87.7  | 84.1  | 80.5  | 80.1  | 78.3  | 77.8  | 76.9  | 76.9  | 76.5  | 77.4  |
| 67.5°  | 76.9  | 72.9  | 69.7  | 67.5  | 66.1  | 66.6  | 64.8  | 63.4  | 63.4  | 63.0  | 64.3  |
| 70°    | 61.2  | 58.9  | 55.8  | 53.1  | 51.3  | 51.3  | 49.0  | 48.6  | 48.6  | 48.6  | 48.1  |
| 72.5°  | 47.2  | 43.2  | 41.8  | 40.9  | 40.9  | 40.9  | 40.0  | 40.0  | 39.6  | 40.0  | 39.6  |
| 75°    | 35.1  | 34.6  | 33.7  | 33.3  | 33.3  | 32.8  | 32.4  | 32.4  | 32.4  | 32.4  | 32.4  |
| 77.5°  | 27.4  | 27.4  | 26.5  | 26.1  | 26.1  | 26.1  | 25.6  | 25.6  | 25.2  | 25.2  | 25.2  |
| 80°    | 20.2  | 20.2  | 19.3  | 19.3  | 19.3  | 18.9  | 18.9  | 18.9  | 19.3  | 18.9  | 18.9  |
| 82.5°  | 13.9  | 13.9  | 13.5  | 13.9  | 13.5  | 13.0  | 13.0  | 13.0  | 12.6  | 13.0  | 13.0  |
| 85°    | 8.1   | 8.1   | 7.6   | 7.2   | 7.6   | 7.6   | 7.2   | 7.6   | 7.2   | 7.6   | 7.2   |
| 87.5°  | 3.1   | 2.7   | 2.7   | 2.7   | 2.2   | 2.7   | 2.2   | 2.2   | 2.7   | 2.2   | 2.7   |
| 90°    | 31.7  | 32.9  | 34.0  | 35.1  | 35.7  | 36.0  | 36.6  | 37.1  | 37.7  | 38.3  | 37.7  |
| 92.5°  | 35.2  | 37.2  | 39.1  | 41.1  | 42.1  | 42.2  | 42.5  | 42.8  | 43.1  | 43.4  | 43.1  |
| 95°    | 41.5  | 43.5  | 45.5  | 47.5  | 48.5  | 48.5  | 48.5  | 48.5  | 48.5  | 48.5  | 48.5  |
| 97.5°  | 43.1  | 45.3  | 47.6  | 49.9  | 51.0  | 51.1  | 51.4  | 51.7  | 52.0  | 52.3  | 52.0  |
| 100°   | 44.4  | 46.6  | 48.9  | 51.2  | 52.3  | 52.4  | 52.7  | 53.0  | 53.3  | 53.6  | 53.3  |
| 102.5° | 85.0  | 75.7  | 66.3  | 57.0  | 52.3  | 52.6  | 53.1  | 53.7  | 54.2  | 54.8  | 54.2  |
| 105°   | 229.1 | 179.0 | 128.8 | 78.7  | 53.6  | 53.9  | 54.4  | 55.0  | 55.5  | 56.1  | 55.5  |
| 107.5° | 452.5 | 408.8 | 365.2 | 321.5 | 299.7 | 281.1 | 244.0 | 206.9 | 169.7 | 132.6 | 169.7 |
| 110°   | 565.8 | 556.5 | 547.1 | 537.8 | 533.1 | 512.8 | 472.3 | 431.8 | 391.2 | 350.7 | 391.2 |

TEST NUMBER: P1031125

CATALOG NUMBER: S123RDIW-B340D1320UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 658.1  | 660.7  | 663.2  | 665.7  | 667.0  | 666.7  | 666.2  | 665.6  | 665.1  | 664.5  | 665.1  |
| 115°   | 734.9  | 737.7  | 740.6  | 743.4  | 744.8  | 745.4  | 746.5  | 747.6  | 748.8  | 749.9  | 748.8  |
| 117.5° | 809.6  | 811.8  | 814.1  | 816.4  | 817.5  | 817.6  | 817.9  | 818.2  | 818.5  | 818.8  | 818.5  |
| 120°   | 882.3  | 884.5  | 886.8  | 889.1  | 890.2  | 890.2  | 890.2  | 890.2  | 890.2  | 890.2  | 890.2  |
| 122.5° | 954.1  | 955.5  | 957.0  | 958.4  | 959.1  | 959.2  | 959.5  | 959.8  | 960.1  | 960.4  | 960.1  |
| 125°   | 1020.9 | 1021.5 | 1022.0 | 1022.6 | 1022.9 | 1023.2 | 1023.7 | 1024.3 | 1024.8 | 1025.4 | 1024.8 |
| 127.5° | 1088.8 | 1089.6 | 1090.5 | 1091.4 | 1091.8 | 1091.5 | 1090.9 | 1090.4 | 1089.8 | 1089.2 | 1089.8 |
| 130°   | 1149.0 | 1150.2 | 1151.3 | 1152.4 | 1153.0 | 1152.7 | 1152.1 | 1151.6 | 1151.0 | 1150.4 | 1151.0 |
| 132.5° | 1206.4 | 1207.6 | 1208.7 | 1209.8 | 1210.4 | 1210.0 | 1209.1 | 1208.3 | 1207.4 | 1206.6 | 1207.4 |
| 135°   | 1264.8 | 1265.6 | 1266.5 | 1267.4 | 1267.8 | 1267.4 | 1266.5 | 1265.6 | 1264.8 | 1263.9 | 1264.8 |
| 137.5° | 1316.4 | 1317.8 | 1319.2 | 1320.6 | 1321.3 | 1321.0 | 1320.5 | 1319.9 | 1319.4 | 1318.8 | 1319.4 |
| 140°   | 1365.8 | 1367.0 | 1368.1 | 1369.2 | 1369.8 | 1369.5 | 1369.0 | 1368.4 | 1367.9 | 1367.3 | 1367.9 |
| 142.5° | 1412.7 | 1413.6 | 1414.4 | 1415.3 | 1415.7 | 1415.3 | 1414.4 | 1413.6 | 1412.7 | 1411.9 | 1412.7 |
| 145°   | 1455.9 | 1456.4 | 1457.0 | 1457.5 | 1457.8 | 1457.8 | 1457.8 | 1457.8 | 1457.8 | 1457.8 | 1457.8 |
| 147.5° | 1495.4 | 1495.9 | 1496.5 | 1497.0 | 1497.3 | 1496.6 | 1495.2 | 1493.8 | 1492.4 | 1491.0 | 1492.4 |
| 150°   | 1531.1 | 1531.7 | 1532.2 | 1532.8 | 1533.1 | 1532.7 | 1531.8 | 1530.9 | 1530.1 | 1529.2 | 1530.1 |
| 152.5° | 1562.2 | 1563.4 | 1564.5 | 1565.6 | 1566.2 | 1565.5 | 1564.1 | 1562.6 | 1561.2 | 1559.8 | 1561.2 |
| 155°   | 1590.6 | 1592.0 | 1593.5 | 1594.9 | 1595.6 | 1594.7 | 1593.0 | 1591.3 | 1589.6 | 1587.9 | 1589.6 |
| 157.5° | 1616.4 | 1618.1 | 1619.8 | 1621.5 | 1622.3 | 1621.2 | 1618.9 | 1616.6 | 1614.4 | 1612.1 | 1614.4 |
| 160°   | 1638.1 | 1639.8 | 1641.5 | 1643.2 | 1644.0 | 1643.0 | 1641.0 | 1639.1 | 1637.1 | 1635.1 | 1637.1 |
| 162.5° | 1657.5 | 1659.5 | 1661.4 | 1663.4 | 1664.4 | 1663.6 | 1661.9 | 1660.2 | 1658.5 | 1656.8 | 1658.5 |
| 165°   | 1674.4 | 1676.6 | 1678.9 | 1681.2 | 1682.3 | 1681.3 | 1679.3 | 1677.4 | 1675.4 | 1673.4 | 1675.4 |
| 167.5° | 1688.4 | 1690.6 | 1692.9 | 1695.2 | 1696.3 | 1695.2 | 1692.9 | 1690.6 | 1688.4 | 1686.1 | 1688.4 |
| 170°   | 1699.9 | 1702.1 | 1704.4 | 1706.7 | 1707.8 | 1706.7 | 1704.4 | 1702.1 | 1699.9 | 1697.6 | 1699.9 |
| 172.5° | 1707.5 | 1709.7 | 1712.0 | 1714.3 | 1715.4 | 1714.1 | 1711.6 | 1709.1 | 1706.5 | 1704.0 | 1706.5 |
| 175°   | 1713.6 | 1715.6 | 1717.5 | 1719.5 | 1720.5 | 1719.4 | 1717.1 | 1714.8 | 1712.6 | 1710.3 | 1712.6 |
| 177.5° | 1716.5 | 1718.7 | 1721.0 | 1723.3 | 1724.4 | 1723.0 | 1720.1 | 1717.3 | 1714.4 | 1711.6 | 1714.4 |
| 180°   | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 |

TEST NUMBER: P1031125

CATALOG NUMBER: S123RDIW-B340D1320UB2750-4FO-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 525.3 | 525.3 | 525.3 | 525.3  | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 |
| 2.5°   | 567.1 | 564.4 | 562.6 | 561.3  | 559.9 | 564.0 | 558.6 | 552.7 | 548.7 | 546.0 | 545.1 |
| 5°     | 626.5 | 620.6 | 615.7 | 611.6  | 612.5 | 612.5 | 603.1 | 592.7 | 583.8 | 578.8 | 573.4 |
| 7.5°   | 695.3 | 689.0 | 679.1 | 676.8  | 675.1 | 663.8 | 654.4 | 635.5 | 624.2 | 613.0 | 603.1 |
| 10°    | 763.6 | 755.6 | 746.1 | 743.0  | 738.5 | 724.5 | 710.1 | 685.8 | 671.9 | 651.2 | 638.2 |
| 12.5°  | 827.5 | 817.6 | 808.2 | 805.9  | 799.2 | 787.0 | 762.3 | 737.1 | 713.3 | 691.2 | 668.3 |
| 15°    | 881.0 | 878.3 | 863.9 | 854.9  | 840.1 | 823.5 | 818.1 | 783.9 | 753.8 | 730.8 | 689.4 |
| 17.5°  | 926.0 | 913.4 | 899.9 | 894.1  | 888.2 | 868.9 | 849.5 | 814.5 | 782.1 | 748.4 | 721.8 |
| 20°    | 962.0 | 948.0 | 938.6 | 930.1  | 927.4 | 905.3 | 874.7 | 843.7 | 808.2 | 770.4 | 735.8 |
| 22.5°  | 963.8 | 962.0 | 955.7 | 950.7  | 945.3 | 930.9 | 906.7 | 868.0 | 830.2 | 788.8 | 743.4 |
| 25°    | 926.5 | 923.8 | 941.7 | 937.2  | 940.8 | 935.4 | 922.4 | 890.0 | 846.0 | 797.4 | 751.5 |
| 27.5°  | 814.0 | 841.5 | 869.8 | 879.7  | 886.4 | 905.8 | 912.1 | 894.1 | 858.5 | 806.8 | 755.6 |
| 30°    | 661.1 | 697.5 | 743.4 | 768.1  | 787.0 | 823.0 | 869.8 | 875.6 | 859.0 | 817.6 | 754.7 |
| 32.5°  | 519.0 | 552.3 | 589.2 | 618.4  | 643.6 | 717.3 | 780.3 | 825.7 | 833.8 | 812.2 | 756.9 |
| 35°    | 418.3 | 432.6 | 467.7 | 495.6  | 529.8 | 592.7 | 667.0 | 740.3 | 789.7 | 792.4 | 750.2 |
| 37.5°  | 344.9 | 352.6 | 383.2 | 398.9  | 419.2 | 474.5 | 543.7 | 639.5 | 716.4 | 752.9 | 731.3 |
| 40°    | 285.6 | 303.1 | 320.7 | 329.7  | 344.0 | 382.3 | 448.8 | 523.9 | 619.3 | 686.7 | 702.0 |
| 42.5°  | 247.8 | 255.4 | 266.7 | 279.3  | 288.3 | 321.6 | 366.1 | 434.9 | 520.8 | 614.8 | 657.1 |
| 45°    | 218.6 | 221.3 | 233.0 | 241.1  | 250.5 | 273.9 | 305.4 | 362.9 | 438.5 | 531.1 | 603.1 |
| 47.5°  | 194.3 | 199.7 | 206.0 | 210.9  | 217.2 | 235.2 | 262.2 | 304.0 | 370.6 | 453.3 | 530.7 |
| 50°    | 172.7 | 175.8 | 183.9 | 186.2  | 190.7 | 203.3 | 224.0 | 255.9 | 310.8 | 376.9 | 456.9 |
| 52.5°  | 152.5 | 158.3 | 161.5 | 164.6  | 168.7 | 179.0 | 192.5 | 218.6 | 259.9 | 322.0 | 389.9 |
| 55°    | 136.7 | 138.5 | 143.0 | 145.7  | 148.9 | 156.1 | 167.8 | 187.1 | 219.5 | 268.9 | 333.3 |
| 57.5°  | 121.4 | 121.4 | 125.9 | 128.2  | 131.3 | 136.7 | 147.1 | 161.9 | 185.3 | 222.2 | 281.1 |
| 60°    | 105.2 | 105.7 | 109.3 | 112.0  | 112.9 | 118.3 | 126.8 | 138.5 | 156.5 | 183.5 | 231.6 |
| 62.5°  | 90.8  | 93.1  | 94.9  | 95.8   | 98.9  | 102.1 | 109.3 | 117.4 | 130.0 | 153.8 | 188.0 |
| 65°    | 78.7  | 79.2  | 80.5  | 81.4   | 82.8  | 86.3  | 91.7  | 97.1  | 107.9 | 125.5 | 153.4 |
| 67.5°  | 64.8  | 66.6  | 68.4  | 68.4   | 69.7  | 71.5  | 76.9  | 81.4  | 89.5  | 99.8  | 118.7 |
| 70°    | 48.6  | 49.5  | 52.2  | 53.5   | 55.3  | 58.5  | 61.2  | 63.9  | 70.2  | 77.8  | 92.2  |
| 72.5°  | 40.5  | 40.5  | 41.4  | 41.8   | 41.8  | 44.1  | 48.1  | 50.8  | 54.0  | 59.4  | 69.3  |
| 75°    | 32.4  | 32.4  | 33.7  | 33.3   | 34.2  | 35.1  | 35.5  | 37.3  | 39.1  | 43.2  | 49.0  |
| 77.5°  | 25.6  | 26.1  | 26.1  | 26.5   | 26.5  | 27.0  | 27.4  | 28.3  | 29.2  | 31.5  | 34.2  |
| 80°    | 18.9  | 19.3  | 19.3  | 19.8   | 19.8  | 20.2  | 20.7  | 21.1  | 22.0  | 22.9  | 24.3  |
| 82.5°  | 13.0  | 13.5  | 13.5  | 13.9   | 13.5  | 13.9  | 14.4  | 14.4  | 14.8  | 15.7  | 16.2  |
| 85°    | 7.6   | 7.6   | 8.1   | 7.6    | 7.6   | 7.6   | 8.1   | 8.1   | 8.5   | 9.9   | 9.9   |
| 87.5°  | 2.2   | 2.7   | 2.2   | 2.7    | 2.7   | 2.7   | 2.7   | 3.1   | 3.1   | 3.6   | 4.0   |
| 90°    | 37.1  | 36.6  | 36.0  | 35.7   | 35.1  | 34.0  | 32.9  | 31.7  | 30.6  | 26.9  | 23.2  |
| 92.5°  | 42.8  | 42.5  | 42.2  | 42.1   | 41.1  | 39.1  | 37.2  | 35.2  | 33.2  | 30.6  | 28.1  |
| 95°    | 48.5  | 48.5  | 48.5  | 48.5   | 47.5  | 45.5  | 43.5  | 41.5  | 39.5  | 36.4  | 33.3  |
| 97.5°  | 51.7  | 51.4  | 51.1  | 51.0   | 49.9  | 47.6  | 45.3  | 43.1  | 40.8  | 55.3  | 69.7  |
| 100°   | 53.0  | 52.7  | 52.4  | 52.3   | 51.2  | 48.9  | 46.6  | 44.4  | 42.1  | 86.3  | 130.5 |
| 102.5° | 53.7  | 53.1  | 52.6  | 52.3   | 57.0  | 66.3  | 75.7  | 85.0  | 94.4  | 143.7 | 193.0 |
| 105°   | 55.0  | 54.4  | 53.9  | 53.6   | 78.7  | 128.8 | 179.0 | 229.1 | 279.3 | 304.8 | 330.3 |
| 107.5° | 206.9 | 244.0 | 281.1 | 299.7  | 321.5 | 365.2 | 408.8 | 452.5 | 496.1 | 491.9 | 487.6 |
| 110°   | 431.8 | 472.3 | 512.8 | 533.1  | 537.8 | 547.1 | 556.5 | 565.8 | 575.2 | 572.1 | 569.0 |

TEST NUMBER: P1031125

CATALOG NUMBER: S123RDIW-B340D1320UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 665.6  | 666.2  | 666.7  | 667.0  | 665.7  | 663.2  | 660.7  | 658.1  | 655.6  | 652.5  | 649.3  |
| 115°   | 747.6  | 746.5  | 745.4  | 744.8  | 743.4  | 740.6  | 737.7  | 734.9  | 732.1  | 729.5  | 727.0  |
| 117.5° | 818.2  | 817.9  | 817.6  | 817.5  | 816.4  | 814.1  | 811.8  | 809.6  | 807.3  | 805.9  | 804.5  |
| 120°   | 890.2  | 890.2  | 890.2  | 890.2  | 889.1  | 886.8  | 884.5  | 882.3  | 880.0  | 879.2  | 878.3  |
| 122.5° | 959.8  | 959.5  | 959.2  | 959.1  | 958.4  | 957.0  | 955.5  | 954.1  | 952.7  | 951.6  | 950.4  |
| 125°   | 1024.3 | 1023.7 | 1023.2 | 1022.9 | 1022.6 | 1022.0 | 1021.5 | 1020.9 | 1020.3 | 1019.2 | 1018.0 |
| 127.5° | 1090.4 | 1090.9 | 1091.5 | 1091.8 | 1091.4 | 1090.5 | 1089.6 | 1088.8 | 1087.9 | 1086.5 | 1085.1 |
| 130°   | 1151.6 | 1152.1 | 1152.7 | 1153.0 | 1152.4 | 1151.3 | 1150.2 | 1149.0 | 1147.9 | 1146.8 | 1145.6 |
| 132.5° | 1208.3 | 1209.1 | 1210.0 | 1210.4 | 1209.8 | 1208.7 | 1207.6 | 1206.4 | 1205.3 | 1204.5 | 1203.6 |
| 135°   | 1265.6 | 1266.5 | 1267.4 | 1267.8 | 1267.4 | 1266.5 | 1265.6 | 1264.8 | 1263.9 | 1262.8 | 1261.6 |
| 137.5° | 1319.9 | 1320.5 | 1321.0 | 1321.3 | 1320.6 | 1319.2 | 1317.8 | 1316.4 | 1315.0 | 1314.4 | 1313.8 |
| 140°   | 1368.4 | 1369.0 | 1369.5 | 1369.8 | 1369.2 | 1368.1 | 1367.0 | 1365.8 | 1364.7 | 1363.9 | 1363.0 |
| 142.5° | 1413.6 | 1414.4 | 1415.3 | 1415.7 | 1415.3 | 1414.4 | 1413.6 | 1412.7 | 1411.9 | 1411.1 | 1410.2 |
| 145°   | 1457.8 | 1457.8 | 1457.8 | 1457.8 | 1457.5 | 1457.0 | 1456.4 | 1455.9 | 1455.3 | 1454.7 | 1454.1 |
| 147.5° | 1493.8 | 1495.2 | 1496.6 | 1497.3 | 1497.0 | 1496.5 | 1495.9 | 1495.4 | 1494.8 | 1494.2 | 1493.6 |
| 150°   | 1530.9 | 1531.8 | 1532.7 | 1533.1 | 1532.8 | 1532.2 | 1531.7 | 1531.1 | 1530.5 | 1529.9 | 1529.4 |
| 152.5° | 1562.6 | 1564.1 | 1565.5 | 1566.2 | 1565.6 | 1564.5 | 1563.4 | 1562.2 | 1561.1 | 1560.8 | 1560.5 |
| 155°   | 1591.3 | 1593.0 | 1594.7 | 1595.6 | 1594.9 | 1593.5 | 1592.0 | 1590.6 | 1589.2 | 1588.9 | 1588.6 |
| 157.5° | 1616.6 | 1618.9 | 1621.2 | 1622.3 | 1621.5 | 1619.8 | 1618.1 | 1616.4 | 1614.7 | 1615.0 | 1615.3 |
| 160°   | 1639.1 | 1641.0 | 1643.0 | 1644.0 | 1643.2 | 1641.5 | 1639.8 | 1638.1 | 1636.4 | 1636.7 | 1636.9 |
| 162.5° | 1660.2 | 1661.9 | 1663.6 | 1664.4 | 1663.4 | 1661.4 | 1659.5 | 1657.5 | 1655.5 | 1655.8 | 1656.1 |
| 165°   | 1677.4 | 1679.3 | 1681.3 | 1682.3 | 1681.2 | 1678.9 | 1676.6 | 1674.4 | 1672.1 | 1672.4 | 1672.7 |
| 167.5° | 1690.6 | 1692.9 | 1695.2 | 1696.3 | 1695.2 | 1692.9 | 1690.6 | 1688.4 | 1686.1 | 1686.1 | 1686.1 |
| 170°   | 1702.1 | 1704.4 | 1706.7 | 1707.8 | 1706.7 | 1704.4 | 1702.1 | 1699.9 | 1697.6 | 1697.6 | 1697.6 |
| 172.5° | 1709.1 | 1711.6 | 1714.1 | 1715.4 | 1714.3 | 1712.0 | 1709.7 | 1707.5 | 1705.2 | 1704.9 | 1704.7 |
| 175°   | 1714.8 | 1717.1 | 1719.4 | 1720.5 | 1719.5 | 1717.5 | 1715.6 | 1713.6 | 1711.6 | 1711.3 | 1711.0 |
| 177.5° | 1717.3 | 1720.1 | 1723.0 | 1724.4 | 1723.3 | 1721.0 | 1718.7 | 1716.5 | 1714.2 | 1713.9 | 1713.6 |
| 180°   | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 525.3 | 525.3 | 525.3  | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 |
| 2.5°   | 543.7 | 541.5 | 539.2  | 539.2 | 534.3 | 529.8 | 527.5 | 528.4 | 525.7 | 522.1 | 518.5 |
| 5°     | 567.6 | 558.6 | 556.8  | 551.8 | 545.1 | 535.6 | 530.7 | 526.2 | 520.8 | 513.6 | 506.9 |
| 7.5°   | 589.6 | 577.9 | 571.6  | 566.7 | 553.6 | 540.6 | 529.8 | 522.6 | 513.1 | 502.4 | 494.3 |
| 10°    | 618.4 | 596.8 | 590.1  | 578.8 | 560.4 | 541.9 | 529.3 | 517.6 | 504.6 | 492.0 | 481.2 |
| 12.5°  | 641.3 | 616.6 | 604.0  | 592.7 | 568.9 | 545.5 | 524.4 | 510.0 | 494.3 | 480.3 | 466.4 |
| 15°    | 667.4 | 639.5 | 617.5  | 604.0 | 573.9 | 545.5 | 521.7 | 501.5 | 483.9 | 466.8 | 454.7 |
| 17.5°  | 680.0 | 644.9 | 635.0  | 615.7 | 572.1 | 543.7 | 514.5 | 492.9 | 471.8 | 452.0 | 437.6 |
| 20°    | 699.8 | 658.9 | 634.1  | 621.1 | 582.4 | 540.6 | 506.4 | 481.7 | 459.6 | 438.5 | 423.2 |
| 22.5°  | 701.1 | 656.6 | 640.4  | 615.7 | 568.0 | 531.1 | 499.2 | 469.1 | 443.4 | 423.6 | 407.9 |
| 25°    | 698.0 | 652.6 | 630.1  | 610.3 | 570.7 | 525.7 | 484.8 | 455.1 | 429.9 | 407.0 | 388.6 |
| 27.5°  | 696.6 | 640.9 | 619.7  | 599.9 | 555.4 | 510.0 | 476.3 | 442.5 | 413.8 | 393.5 | 374.6 |
| 30°    | 694.8 | 628.3 | 602.6  | 579.7 | 538.8 | 497.9 | 457.4 | 428.1 | 400.7 | 375.1 | 356.2 |
| 32.5°  | 683.1 | 611.2 | 585.1  | 560.8 | 516.7 | 475.8 | 443.9 | 412.9 | 383.2 | 359.3 | 342.2 |
| 35°    | 679.5 | 595.4 | 561.3  | 535.2 | 492.0 | 455.6 | 421.9 | 396.2 | 368.3 | 344.5 | 324.3 |
| 37.5°  | 669.2 | 579.3 | 542.4  | 509.1 | 464.1 | 429.5 | 404.8 | 379.1 | 352.1 | 326.5 | 310.3 |
| 40°    | 651.2 | 560.4 | 518.5  | 484.4 | 438.0 | 403.0 | 380.0 | 361.1 | 334.6 | 311.7 | 291.9 |
| 42.5°  | 624.7 | 541.0 | 496.1  | 460.1 | 408.8 | 376.0 | 357.1 | 339.1 | 316.6 | 292.8 | 276.6 |
| 45°    | 594.1 | 515.4 | 473.6  | 433.5 | 381.4 | 349.4 | 329.7 | 318.9 | 298.2 | 277.9 | 259.0 |
| 47.5°  | 552.3 | 488.9 | 447.5  | 406.1 | 353.0 | 322.0 | 306.3 | 295.5 | 281.1 | 259.0 | 243.8 |
| 50°    | 499.7 | 454.7 | 415.6  | 378.7 | 325.2 | 295.5 | 279.7 | 271.6 | 259.5 | 243.8 | 228.9 |
| 52.5°  | 441.2 | 415.1 | 382.7  | 348.5 | 296.8 | 268.9 | 254.5 | 248.3 | 239.3 | 224.4 | 211.8 |
| 55°    | 382.3 | 371.0 | 349.0  | 315.3 | 267.1 | 244.2 | 231.6 | 223.5 | 216.8 | 206.0 | 195.2 |
| 57.5°  | 329.7 | 324.3 | 309.0  | 282.9 | 242.4 | 218.6 | 207.8 | 202.4 | 197.0 | 188.9 | 178.1 |
| 60°    | 275.2 | 281.1 | 265.3  | 252.3 | 215.4 | 194.7 | 185.3 | 179.4 | 176.7 | 169.5 | 162.8 |
| 62.5°  | 228.0 | 233.4 | 224.4  | 214.5 | 188.4 | 170.0 | 164.2 | 158.8 | 157.0 | 150.7 | 143.9 |
| 65°    | 185.3 | 192.0 | 185.3  | 179.9 | 164.2 | 148.9 | 141.7 | 139.0 | 137.2 | 133.1 | 127.7 |
| 67.5°  | 147.5 | 154.3 | 151.1  | 144.4 | 139.4 | 126.8 | 122.8 | 120.1 | 119.2 | 116.0 | 111.5 |
| 70°    | 111.1 | 120.5 | 121.4  | 117.4 | 112.9 | 107.0 | 104.3 | 103.4 | 101.2 | 98.5  | 95.8  |
| 72.5°  | 80.1  | 90.8  | 91.3   | 91.3  | 88.6  | 88.6  | 85.9  | 84.6  | 84.6  | 81.9  | 78.7  |
| 75°    | 58.9  | 66.1  | 67.0   | 67.9  | 69.3  | 70.6  | 68.8  | 68.8  | 68.4  | 65.7  | 64.3  |
| 77.5°  | 39.1  | 45.4  | 47.7   | 50.8  | 52.6  | 52.6  | 53.5  | 54.4  | 53.5  | 52.2  | 51.3  |
| 80°    | 25.2  | 29.7  | 32.4   | 34.2  | 36.9  | 38.2  | 39.6  | 40.0  | 39.1  | 38.7  | 37.3  |
| 82.5°  | 16.6  | 18.0  | 19.3   | 21.6  | 24.7  | 27.0  | 27.0  | 26.5  | 27.4  | 27.0  | 26.5  |
| 85°    | 9.4   | 10.3  | 10.8   | 11.2  | 13.0  | 15.3  | 15.7  | 16.2  | 17.1  | 16.2  | 15.3  |
| 87.5°  | 3.6   | 4.0   | 4.0    | 4.0   | 4.9   | 5.4   | 6.7   | 8.5   | 8.1   | 7.2   | 7.2   |
| 90°    | 19.5  | 15.8  | 14.0   | 12.6  | 9.8   | 6.9   | 4.1   | 1.3   | 4.1   | 6.9   | 9.8   |
| 92.5°  | 25.5  | 23.0  | 21.7   | 22.5  | 24.2  | 25.9  | 27.6  | 29.3  | 27.6  | 25.9  | 24.2  |
| 95°    | 30.2  | 27.1  | 25.5   | 31.3  | 42.9  | 54.6  | 66.2  | 77.8  | 66.2  | 54.6  | 42.9  |
| 97.5°  | 84.2  | 98.7  | 105.9  | 109.9 | 117.8 | 125.7 | 133.7 | 141.6 | 133.7 | 125.7 | 117.8 |
| 100°   | 174.8 | 219.0 | 241.1  | 238.3 | 232.6 | 226.9 | 221.2 | 215.5 | 221.2 | 226.9 | 232.6 |
| 102.5° | 242.3 | 291.6 | 316.3  | 314.5 | 310.8 | 307.1 | 303.4 | 299.7 | 303.4 | 307.1 | 310.8 |
| 105°   | 355.8 | 381.3 | 394.1  | 392.5 | 389.4 | 386.3 | 383.2 | 380.1 | 383.2 | 386.3 | 389.4 |
| 107.5° | 483.4 | 479.1 | 477.0  | 475.7 | 473.2 | 470.6 | 468.1 | 465.5 | 468.1 | 470.6 | 473.2 |
| 110°   | 565.9 | 562.8 | 561.2  | 560.1 | 557.8 | 555.5 | 553.3 | 551.0 | 553.3 | 555.5 | 557.8 |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 646.2  | 643.1  | 641.5  | 640.5  | 638.5  | 636.6  | 634.6  | 632.6  | 634.6  | 636.6  | 638.5  |
| 115°   | 724.4  | 721.9  | 720.6  | 719.8  | 718.1  | 716.4  | 714.7  | 713.0  | 714.7  | 716.4  | 718.1  |
| 117.5° | 803.1  | 801.7  | 801.0  | 800.0  | 798.0  | 796.0  | 794.0  | 792.0  | 794.0  | 796.0  | 798.0  |
| 120°   | 877.5  | 876.6  | 876.2  | 874.9  | 872.4  | 869.8  | 867.3  | 864.7  | 867.3  | 869.8  | 872.4  |
| 122.5° | 949.3  | 948.2  | 947.6  | 946.6  | 944.6  | 942.7  | 940.7  | 938.7  | 940.7  | 942.7  | 944.6  |
| 125°   | 1016.9 | 1015.8 | 1015.2 | 1014.1 | 1011.8 | 1009.5 | 1007.3 | 1005.0 | 1007.3 | 1009.5 | 1011.8 |
| 127.5° | 1083.7 | 1082.3 | 1081.6 | 1080.5 | 1078.2 | 1075.9 | 1073.7 | 1071.4 | 1073.7 | 1075.9 | 1078.2 |
| 130°   | 1144.5 | 1143.4 | 1142.8 | 1141.7 | 1139.4 | 1137.1 | 1134.9 | 1132.6 | 1134.9 | 1137.1 | 1139.4 |
| 132.5° | 1202.8 | 1201.9 | 1201.5 | 1200.4 | 1198.1 | 1195.8 | 1193.5 | 1191.2 | 1193.5 | 1195.8 | 1198.1 |
| 135°   | 1260.5 | 1259.4 | 1258.8 | 1258.0 | 1256.3 | 1254.6 | 1252.9 | 1251.2 | 1252.9 | 1254.6 | 1256.3 |
| 137.5° | 1313.3 | 1312.7 | 1312.4 | 1311.3 | 1309.0 | 1306.7 | 1304.5 | 1302.2 | 1304.5 | 1306.7 | 1309.0 |
| 140°   | 1362.2 | 1361.3 | 1360.9 | 1360.0 | 1358.3 | 1356.6 | 1354.9 | 1353.2 | 1354.9 | 1356.6 | 1358.3 |
| 142.5° | 1409.4 | 1408.5 | 1408.1 | 1407.2 | 1405.5 | 1403.8 | 1402.1 | 1400.4 | 1402.1 | 1403.8 | 1405.5 |
| 145°   | 1453.6 | 1453.0 | 1452.7 | 1451.7 | 1449.7 | 1447.8 | 1445.8 | 1443.8 | 1445.8 | 1447.8 | 1449.7 |
| 147.5° | 1493.1 | 1492.5 | 1492.2 | 1491.5 | 1490.1 | 1488.7 | 1487.3 | 1485.9 | 1487.3 | 1488.7 | 1490.1 |
| 150°   | 1528.8 | 1528.3 | 1528.0 | 1527.6 | 1526.7 | 1525.8 | 1525.0 | 1524.1 | 1525.0 | 1525.8 | 1526.7 |
| 152.5° | 1560.2 | 1559.9 | 1559.8 | 1559.7 | 1559.4 | 1559.1 | 1558.9 | 1558.6 | 1558.9 | 1559.1 | 1559.4 |
| 155°   | 1588.3 | 1588.0 | 1587.9 | 1588.2 | 1588.8 | 1589.3 | 1589.9 | 1590.5 | 1589.9 | 1589.3 | 1588.8 |
| 157.5° | 1615.6 | 1615.9 | 1616.0 | 1616.0 | 1616.0 | 1616.0 | 1616.0 | 1616.0 | 1616.0 | 1616.0 | 1616.0 |
| 160°   | 1637.2 | 1637.5 | 1637.6 | 1637.7 | 1638.0 | 1638.3 | 1638.6 | 1638.9 | 1638.6 | 1638.3 | 1638.0 |
| 162.5° | 1656.4 | 1656.7 | 1656.8 | 1657.2 | 1658.1 | 1658.9 | 1659.8 | 1660.6 | 1659.8 | 1658.9 | 1658.1 |
| 165°   | 1673.0 | 1673.3 | 1673.4 | 1673.8 | 1674.7 | 1675.5 | 1676.4 | 1677.2 | 1676.4 | 1675.5 | 1674.7 |
| 167.5° | 1686.1 | 1686.1 | 1686.1 | 1686.7 | 1687.8 | 1688.9 | 1690.1 | 1691.2 | 1690.1 | 1688.9 | 1687.8 |
| 170°   | 1697.6 | 1697.6 | 1697.6 | 1698.2 | 1699.3 | 1700.4 | 1701.6 | 1702.7 | 1701.6 | 1700.4 | 1699.3 |
| 172.5° | 1704.4 | 1704.1 | 1704.0 | 1704.7 | 1706.1 | 1707.5 | 1708.9 | 1710.3 | 1708.9 | 1707.5 | 1706.1 |
| 175°   | 1710.7 | 1710.4 | 1710.3 | 1711.0 | 1712.4 | 1713.9 | 1715.3 | 1716.7 | 1715.3 | 1713.9 | 1712.4 |
| 177.5° | 1713.3 | 1713.0 | 1712.9 | 1713.6 | 1715.0 | 1716.5 | 1717.9 | 1719.3 | 1717.9 | 1716.5 | 1715.0 |
| 180°   | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 |

TEST NUMBER: P1031125

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**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 525.3 | 525.3  | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 |
| 2.5°   | 518.5 | 516.3  | 515.4 | 513.1 | 507.7 | 504.2 | 500.1 | 497.4 | 497.9 | 495.6 | 497.0 |
| 5°     | 502.4 | 501.9  | 498.8 | 494.3 | 486.6 | 482.6 | 475.4 | 471.8 | 470.0 | 470.4 | 467.7 |
| 7.5°   | 488.9 | 484.8  | 482.6 | 475.4 | 468.2 | 459.6 | 453.8 | 450.6 | 447.9 | 445.2 | 443.4 |
| 10°    | 473.6 | 470.0  | 466.4 | 458.7 | 448.8 | 440.7 | 432.6 | 429.5 | 425.4 | 423.6 | 422.3 |
| 12.5°  | 457.4 | 455.1  | 450.6 | 441.6 | 430.4 | 422.8 | 413.3 | 411.5 | 406.1 | 402.5 | 401.6 |
| 15°    | 442.5 | 441.2  | 433.1 | 422.8 | 411.5 | 403.9 | 395.8 | 390.4 | 381.4 | 383.2 | 380.0 |
| 17.5°  | 426.8 | 421.0  | 416.0 | 402.1 | 396.7 | 385.0 | 375.5 | 372.8 | 366.5 | 362.5 | 358.4 |
| 20°    | 409.3 | 405.7  | 399.4 | 390.4 | 377.3 | 363.8 | 356.6 | 352.1 | 348.5 | 342.2 | 340.4 |
| 22.5°  | 392.6 | 388.1  | 382.7 | 371.0 | 359.8 | 348.5 | 338.6 | 334.6 | 330.1 | 325.6 | 322.9 |
| 25°    | 379.6 | 372.8  | 367.0 | 352.6 | 341.3 | 331.9 | 325.6 | 318.9 | 312.6 | 309.9 | 309.0 |
| 27.5°  | 359.3 | 355.3  | 349.4 | 336.0 | 325.6 | 315.3 | 309.4 | 304.9 | 298.2 | 295.0 | 292.3 |
| 30°    | 346.3 | 338.2  | 331.5 | 320.7 | 310.3 | 299.1 | 293.7 | 288.3 | 284.2 | 280.2 | 277.0 |
| 32.5°  | 328.8 | 322.5  | 317.1 | 306.3 | 295.9 | 285.6 | 279.7 | 271.6 | 269.4 | 266.2 | 262.6 |
| 35°    | 311.7 | 307.6  | 301.8 | 290.1 | 278.8 | 271.6 | 265.3 | 257.7 | 255.0 | 252.8 | 249.6 |
| 37.5°  | 295.5 | 289.6  | 285.6 | 274.3 | 264.4 | 255.9 | 251.0 | 244.7 | 242.9 | 240.2 | 237.9 |
| 40°    | 281.5 | 275.7  | 271.6 | 260.4 | 250.1 | 241.1 | 237.9 | 231.6 | 228.9 | 225.8 | 224.4 |
| 42.5°  | 265.8 | 260.8  | 255.4 | 247.4 | 236.6 | 227.6 | 221.3 | 217.7 | 214.1 | 212.7 | 210.0 |
| 45°    | 249.2 | 244.7  | 240.6 | 231.6 | 220.4 | 214.1 | 208.7 | 203.7 | 201.0 | 198.8 | 197.0 |
| 47.5°  | 234.8 | 230.7  | 225.3 | 215.4 | 206.4 | 200.6 | 195.2 | 190.2 | 187.5 | 184.8 | 182.6 |
| 50°    | 218.1 | 215.9  | 210.0 | 200.6 | 192.0 | 185.3 | 180.3 | 175.8 | 174.0 | 170.9 | 167.3 |
| 52.5°  | 203.3 | 199.2  | 194.3 | 186.6 | 179.0 | 170.9 | 164.2 | 161.5 | 158.3 | 156.5 | 153.4 |
| 55°    | 185.7 | 183.0  | 177.6 | 170.9 | 162.8 | 156.1 | 151.1 | 147.5 | 143.5 | 141.7 | 137.6 |
| 57.5°  | 170.9 | 166.0  | 163.3 | 154.7 | 147.1 | 140.3 | 136.7 | 133.1 | 128.6 | 125.9 | 124.1 |
| 60°    | 154.7 | 150.2  | 146.2 | 139.0 | 133.6 | 126.4 | 121.0 | 117.8 | 114.7 | 111.1 | 109.3 |
| 62.5°  | 139.0 | 135.4  | 130.4 | 124.6 | 117.8 | 112.0 | 107.9 | 103.4 | 101.6 | 98.0  | 96.7  |
| 65°    | 121.9 | 119.2  | 115.1 | 108.4 | 103.0 | 98.0  | 94.0  | 90.4  | 88.6  | 87.2  | 86.3  |
| 67.5°  | 106.6 | 103.0  | 100.3 | 94.4  | 88.6  | 84.6  | 82.3  | 80.1  | 77.8  | 76.5  | 75.1  |
| 70°    | 90.8  | 88.1   | 85.4  | 80.1  | 76.0  | 72.4  | 70.6  | 68.8  | 67.5  | 66.1  | 64.8  |
| 72.5°  | 74.7  | 73.3   | 70.6  | 67.0  | 63.9  | 61.2  | 59.8  | 57.6  | 56.2  | 54.0  | 53.1  |
| 75°    | 61.6  | 59.4   | 58.0  | 54.9  | 52.2  | 49.9  | 48.1  | 45.4  | 43.6  | 42.7  | 42.3  |
| 77.5°  | 48.6  | 47.7   | 45.9  | 43.2  | 41.8  | 39.6  | 36.9  | 36.0  | 35.1  | 35.1  | 34.6  |
| 80°    | 36.4  | 35.1   | 33.7  | 31.5  | 30.1  | 28.3  | 28.3  | 28.3  | 27.9  | 28.3  | 27.9  |
| 82.5°  | 24.7  | 23.8   | 22.9  | 21.6  | 21.1  | 21.1  | 21.6  | 21.6  | 21.6  | 21.6  | 21.6  |
| 85°    | 14.4  | 14.4   | 14.4  | 14.8  | 14.4  | 14.4  | 14.8  | 15.3  | 14.8  | 14.8  | 14.4  |
| 87.5°  | 6.7   | 6.7    | 7.2   | 7.2   | 7.6   | 7.6   | 7.6   | 7.6   | 7.6   | 7.6   | 8.1   |
| 90°    | 12.6  | 14.0   | 15.8  | 19.5  | 23.2  | 26.9  | 30.6  | 31.7  | 32.9  | 34.0  | 35.1  |
| 92.5°  | 22.5  | 21.7   | 23.0  | 25.5  | 28.1  | 30.6  | 33.2  | 35.2  | 37.2  | 39.1  | 41.1  |
| 95°    | 31.3  | 25.5   | 27.1  | 30.2  | 33.3  | 36.4  | 39.5  | 41.5  | 43.5  | 45.5  | 47.5  |
| 97.5°  | 109.9 | 105.9  | 98.7  | 84.2  | 69.7  | 55.3  | 40.8  | 43.1  | 45.3  | 47.6  | 49.9  |
| 100°   | 238.3 | 241.1  | 219.0 | 174.8 | 130.5 | 86.3  | 42.1  | 44.4  | 46.6  | 48.9  | 51.2  |
| 102.5° | 314.5 | 316.3  | 291.6 | 242.3 | 193.0 | 143.7 | 94.4  | 85.0  | 75.7  | 66.3  | 57.0  |
| 105°   | 392.5 | 394.1  | 381.3 | 355.8 | 330.3 | 304.8 | 279.3 | 229.1 | 179.0 | 128.8 | 78.7  |
| 107.5° | 475.7 | 477.0  | 479.1 | 483.4 | 487.6 | 491.9 | 496.1 | 452.5 | 408.8 | 365.2 | 321.5 |
| 110°   | 560.1 | 561.2  | 562.8 | 565.9 | 569.0 | 572.1 | 575.2 | 565.8 | 556.5 | 547.1 | 537.8 |

TEST NUMBER: P1031125

CATALOG NUMBER: S123RDIW-B340D1320UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 640.5  | 641.5  | 643.1  | 646.2  | 649.3  | 652.5  | 655.6  | 658.1  | 660.7  | 663.2  | 665.7  |
| 115°   | 719.8  | 720.6  | 721.9  | 724.4  | 727.0  | 729.5  | 732.1  | 734.9  | 737.7  | 740.6  | 743.4  |
| 117.5° | 800.0  | 801.0  | 801.7  | 803.1  | 804.5  | 805.9  | 807.3  | 809.6  | 811.8  | 814.1  | 816.4  |
| 120°   | 874.9  | 876.2  | 876.6  | 877.5  | 878.3  | 879.2  | 880.0  | 882.3  | 884.5  | 886.8  | 889.1  |
| 122.5° | 946.6  | 947.6  | 948.2  | 949.3  | 950.4  | 951.6  | 952.7  | 954.1  | 955.5  | 957.0  | 958.4  |
| 125°   | 1014.1 | 1015.2 | 1015.8 | 1016.9 | 1018.0 | 1019.2 | 1020.3 | 1020.9 | 1021.5 | 1022.0 | 1022.6 |
| 127.5° | 1080.5 | 1081.6 | 1082.3 | 1083.7 | 1085.1 | 1086.5 | 1087.9 | 1088.8 | 1089.6 | 1090.5 | 1091.4 |
| 130°   | 1141.7 | 1142.8 | 1143.4 | 1144.5 | 1145.6 | 1146.8 | 1147.9 | 1149.0 | 1150.2 | 1151.3 | 1152.4 |
| 132.5° | 1200.4 | 1201.5 | 1201.9 | 1202.8 | 1203.6 | 1204.5 | 1205.3 | 1206.4 | 1207.6 | 1208.7 | 1209.8 |
| 135°   | 1258.0 | 1258.8 | 1259.4 | 1260.5 | 1261.6 | 1262.8 | 1263.9 | 1264.8 | 1265.6 | 1266.5 | 1267.4 |
| 137.5° | 1311.3 | 1312.4 | 1312.7 | 1313.3 | 1313.8 | 1314.4 | 1315.0 | 1316.4 | 1317.8 | 1319.2 | 1320.6 |
| 140°   | 1360.0 | 1360.9 | 1361.3 | 1362.2 | 1363.0 | 1363.9 | 1364.7 | 1365.8 | 1367.0 | 1368.1 | 1369.2 |
| 142.5° | 1407.2 | 1408.1 | 1408.5 | 1409.4 | 1410.2 | 1411.1 | 1411.9 | 1412.7 | 1413.6 | 1414.4 | 1415.3 |
| 145°   | 1451.7 | 1452.7 | 1453.0 | 1453.6 | 1454.1 | 1454.7 | 1455.3 | 1455.9 | 1456.4 | 1457.0 | 1457.5 |
| 147.5° | 1491.5 | 1492.2 | 1492.5 | 1493.1 | 1493.6 | 1494.2 | 1494.8 | 1495.4 | 1495.9 | 1496.5 | 1497.0 |
| 150°   | 1527.6 | 1528.0 | 1528.3 | 1528.8 | 1529.4 | 1529.9 | 1530.5 | 1531.1 | 1531.7 | 1532.2 | 1532.8 |
| 152.5° | 1559.7 | 1559.8 | 1559.9 | 1560.2 | 1560.5 | 1560.8 | 1561.1 | 1562.2 | 1563.4 | 1564.5 | 1565.6 |
| 155°   | 1588.2 | 1587.9 | 1588.0 | 1588.3 | 1588.6 | 1588.9 | 1589.2 | 1590.6 | 1592.0 | 1593.5 | 1594.9 |
| 157.5° | 1616.0 | 1616.0 | 1615.9 | 1615.6 | 1615.3 | 1615.0 | 1614.7 | 1616.4 | 1618.1 | 1619.8 | 1621.5 |
| 160°   | 1637.7 | 1637.6 | 1637.5 | 1637.2 | 1636.9 | 1636.7 | 1636.4 | 1638.1 | 1639.8 | 1641.5 | 1643.2 |
| 162.5° | 1657.2 | 1656.8 | 1656.7 | 1656.4 | 1656.1 | 1655.8 | 1655.5 | 1657.5 | 1659.5 | 1661.4 | 1663.4 |
| 165°   | 1673.8 | 1673.4 | 1673.3 | 1673.0 | 1672.7 | 1672.4 | 1672.1 | 1674.4 | 1676.6 | 1678.9 | 1681.2 |
| 167.5° | 1686.7 | 1686.1 | 1686.1 | 1686.1 | 1686.1 | 1686.1 | 1686.1 | 1688.4 | 1690.6 | 1692.9 | 1695.2 |
| 170°   | 1698.2 | 1697.6 | 1697.6 | 1697.6 | 1697.6 | 1697.6 | 1697.6 | 1699.9 | 1702.1 | 1704.4 | 1706.7 |
| 172.5° | 1704.7 | 1704.0 | 1704.1 | 1704.4 | 1704.7 | 1704.9 | 1705.2 | 1707.5 | 1709.7 | 1712.0 | 1714.3 |
| 175°   | 1711.0 | 1710.3 | 1710.4 | 1710.7 | 1711.0 | 1711.3 | 1711.6 | 1713.6 | 1715.6 | 1717.5 | 1719.5 |
| 177.5° | 1713.6 | 1712.9 | 1713.0 | 1713.3 | 1713.6 | 1713.9 | 1714.2 | 1716.5 | 1718.7 | 1721.0 | 1723.3 |
| 180°   | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 |

TEST NUMBER: P1031125

CATALOG NUMBER: S123RDIW-B340D1320UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0°     | 525.3  | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3  |
| 2.5°   | 496.5  | 497.0 | 495.6 | 492.9 | 492.5 | 493.4 | 496.1 | 495.2 | 492.9 | 497.0 | 493.4  |
| 5°     | 469.1  | 466.8 | 465.9 | 466.8 | 464.1 | 462.8 | 465.5 | 464.1 | 465.5 | 465.9 | 467.3  |
| 7.5°   | 442.5  | 443.0 | 440.3 | 440.7 | 437.1 | 438.0 | 438.0 | 438.0 | 439.4 | 440.3 | 442.1  |
| 10°    | 419.6  | 420.5 | 417.4 | 417.8 | 415.1 | 413.3 | 414.7 | 417.4 | 417.4 | 417.4 | 418.3  |
| 12.5°  | 401.2  | 397.1 | 394.9 | 394.4 | 391.3 | 390.4 | 393.1 | 394.0 | 396.2 | 396.2 | 397.6  |
| 15°    | 378.2  | 377.3 | 375.5 | 375.5 | 367.9 | 369.7 | 370.6 | 373.7 | 378.2 | 374.6 | 375.5  |
| 17.5°  | 357.5  | 355.3 | 353.0 | 352.1 | 351.2 | 348.5 | 352.1 | 351.7 | 354.4 | 354.8 | 356.2  |
| 20°    | 339.1  | 337.3 | 332.8 | 333.3 | 334.2 | 330.1 | 332.4 | 332.4 | 335.1 | 337.8 | 340.9  |
| 22.5°  | 321.1  | 319.3 | 317.1 | 318.0 | 315.3 | 314.4 | 314.4 | 316.6 | 319.8 | 322.0 | 321.6  |
| 25°    | 307.2  | 304.0 | 302.7 | 301.3 | 300.0 | 300.9 | 299.5 | 301.8 | 304.0 | 305.4 | 304.0  |
| 27.5°  | 291.4  | 290.1 | 287.4 | 286.0 | 283.8 | 284.7 | 285.6 | 287.4 | 288.7 | 288.7 | 290.1  |
| 30°    | 276.1  | 274.3 | 273.4 | 272.1 | 272.1 | 270.3 | 270.7 | 272.5 | 273.9 | 275.2 | 277.0  |
| 32.5°  | 261.3  | 259.9 | 258.6 | 258.6 | 257.7 | 257.2 | 256.8 | 259.5 | 259.5 | 262.2 | 262.2  |
| 35°    | 249.2  | 246.9 | 246.9 | 244.7 | 245.6 | 245.1 | 244.2 | 246.0 | 246.5 | 248.3 | 247.8  |
| 37.5°  | 235.7  | 235.7 | 234.8 | 232.5 | 230.7 | 231.2 | 233.4 | 233.4 | 234.8 | 234.3 | 235.7  |
| 40°    | 222.2  | 221.3 | 221.3 | 219.9 | 219.5 | 219.0 | 219.5 | 219.9 | 222.2 | 221.7 | 222.2  |
| 42.5°  | 208.7  | 209.1 | 206.9 | 206.9 | 206.9 | 205.5 | 206.0 | 206.4 | 207.3 | 208.2 | 209.6  |
| 45°    | 195.6  | 194.7 | 194.3 | 193.4 | 192.5 | 192.9 | 192.5 | 194.3 | 193.8 | 194.7 | 196.1  |
| 47.5°  | 181.7  | 180.3 | 179.9 | 178.1 | 178.1 | 179.0 | 178.5 | 179.9 | 180.3 | 181.7 | 180.8  |
| 50°    | 168.2  | 166.4 | 165.1 | 165.5 | 162.8 | 163.7 | 163.7 | 165.1 | 166.4 | 166.9 | 167.8  |
| 52.5°  | 152.5  | 152.0 | 151.6 | 149.3 | 148.9 | 148.4 | 148.9 | 149.3 | 151.1 | 152.5 | 152.9  |
| 55°    | 137.2  | 136.7 | 134.0 | 133.1 | 131.8 | 131.8 | 132.7 | 133.1 | 136.3 | 136.7 | 138.5  |
| 57.5°  | 123.2  | 121.9 | 118.7 | 118.3 | 118.3 | 118.3 | 116.9 | 118.7 | 119.6 | 121.9 | 121.9  |
| 60°    | 107.9  | 107.9 | 105.2 | 105.2 | 105.7 | 105.2 | 105.2 | 105.7 | 105.7 | 107.5 | 108.4  |
| 62.5°  | 95.8   | 95.3  | 95.3  | 94.4  | 94.0  | 94.4  | 94.0  | 94.0  | 94.4  | 95.8  | 97.1   |
| 65°    | 85.0   | 84.6  | 84.1  | 83.7  | 82.8  | 82.8  | 83.2  | 84.1  | 84.1  | 85.0  | 85.4   |
| 67.5°  | 74.7   | 74.7  | 73.8  | 73.8  | 73.3  | 72.9  | 73.3  | 72.9  | 74.7  | 74.7  | 75.1   |
| 70°    | 64.3   | 63.9  | 62.5  | 62.1  | 60.7  | 61.2  | 61.2  | 62.5  | 63.0  | 63.9  | 64.8   |
| 72.5°  | 51.7   | 51.7  | 50.8  | 49.9  | 50.4  | 49.5  | 49.5  | 49.9  | 49.9  | 51.3  | 51.7   |
| 75°    | 42.7   | 41.8  | 41.4  | 41.8  | 41.4  | 42.3  | 41.4  | 41.4  | 42.3  | 42.3  | 42.3   |
| 77.5°  | 35.1   | 35.1  | 34.6  | 34.6  | 35.1  | 34.6  | 35.1  | 35.1  | 35.1  | 34.6  | 35.1   |
| 80°    | 28.8   | 28.3  | 28.3  | 28.3  | 27.9  | 27.9  | 27.9  | 27.9  | 27.9  | 27.9  | 27.9   |
| 82.5°  | 21.6   | 21.6  | 21.1  | 21.6  | 21.6  | 21.1  | 21.6  | 21.1  | 21.1  | 21.6  | 21.6   |
| 85°    | 14.4   | 15.3  | 14.4  | 14.4  | 14.8  | 14.8  | 15.3  | 14.8  | 15.3  | 14.4  | 14.8   |
| 87.5°  | 7.6    | 8.1   | 8.1   | 7.6   | 7.6   | 8.1   | 8.1   | 8.1   | 8.5   | 7.6   | 8.1    |
| 90°    | 35.7   | 36.0  | 36.6  | 37.1  | 37.7  | 38.3  | 37.7  | 37.1  | 36.6  | 36.0  | 35.7   |
| 92.5°  | 42.1   | 42.2  | 42.5  | 42.8  | 43.1  | 43.4  | 43.1  | 42.8  | 42.5  | 42.2  | 42.1   |
| 95°    | 48.5   | 48.5  | 48.5  | 48.5  | 48.5  | 48.5  | 48.5  | 48.5  | 48.5  | 48.5  | 48.5   |
| 97.5°  | 51.0   | 51.1  | 51.4  | 51.7  | 52.0  | 52.3  | 52.0  | 51.7  | 51.4  | 51.1  | 51.0   |
| 100°   | 52.3   | 52.4  | 52.7  | 53.0  | 53.3  | 53.6  | 53.3  | 53.0  | 52.7  | 52.4  | 52.3   |
| 102.5° | 52.3   | 52.6  | 53.1  | 53.7  | 54.2  | 54.8  | 54.2  | 53.7  | 53.1  | 52.6  | 52.3   |
| 105°   | 53.6   | 53.9  | 54.4  | 55.0  | 55.5  | 56.1  | 55.5  | 55.0  | 54.4  | 53.9  | 53.6   |
| 107.5° | 299.7  | 281.1 | 244.0 | 206.9 | 169.7 | 132.6 | 169.7 | 206.9 | 244.0 | 281.1 | 299.7  |
| 110°   | 533.1  | 512.8 | 472.3 | 431.8 | 391.2 | 350.7 | 391.2 | 431.8 | 472.3 | 512.8 | 533.1  |

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CATALOG NUMBER: S123RDIW-B340D1320UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 667.0  | 666.7  | 666.2  | 665.6  | 665.1  | 664.5  | 665.1  | 665.6  | 666.2  | 666.7  | 667.0  |
| 115°   | 744.8  | 745.4  | 746.5  | 747.6  | 748.8  | 749.9  | 748.8  | 747.6  | 746.5  | 745.4  | 744.8  |
| 117.5° | 817.5  | 817.6  | 817.9  | 818.2  | 818.5  | 818.8  | 818.5  | 818.2  | 817.9  | 817.6  | 817.5  |
| 120°   | 890.2  | 890.2  | 890.2  | 890.2  | 890.2  | 890.2  | 890.2  | 890.2  | 890.2  | 890.2  | 890.2  |
| 122.5° | 959.1  | 959.2  | 959.5  | 959.8  | 960.1  | 960.4  | 960.1  | 959.8  | 959.5  | 959.2  | 959.1  |
| 125°   | 1022.9 | 1023.2 | 1023.7 | 1024.3 | 1024.8 | 1025.4 | 1024.8 | 1024.3 | 1023.7 | 1023.2 | 1022.9 |
| 127.5° | 1091.8 | 1091.5 | 1090.9 | 1090.4 | 1089.8 | 1089.2 | 1089.8 | 1090.4 | 1090.9 | 1091.5 | 1091.8 |
| 130°   | 1153.0 | 1152.7 | 1152.1 | 1151.6 | 1151.0 | 1150.4 | 1151.0 | 1151.6 | 1152.1 | 1152.7 | 1153.0 |
| 132.5° | 1210.4 | 1210.0 | 1209.1 | 1208.3 | 1207.4 | 1206.6 | 1207.4 | 1208.3 | 1209.1 | 1210.0 | 1210.4 |
| 135°   | 1267.8 | 1267.4 | 1266.5 | 1265.6 | 1264.8 | 1263.9 | 1264.8 | 1265.6 | 1266.5 | 1267.4 | 1267.8 |
| 137.5° | 1321.3 | 1321.0 | 1320.5 | 1319.9 | 1319.4 | 1318.8 | 1319.4 | 1319.9 | 1320.5 | 1321.0 | 1321.3 |
| 140°   | 1369.8 | 1369.5 | 1369.0 | 1368.4 | 1367.9 | 1367.3 | 1367.9 | 1368.4 | 1369.0 | 1369.5 | 1369.8 |
| 142.5° | 1415.7 | 1415.3 | 1414.4 | 1413.6 | 1412.7 | 1411.9 | 1412.7 | 1413.6 | 1414.4 | 1415.3 | 1415.7 |
| 145°   | 1457.8 | 1457.8 | 1457.8 | 1457.8 | 1457.8 | 1457.8 | 1457.8 | 1457.8 | 1457.8 | 1457.8 | 1457.8 |
| 147.5° | 1497.3 | 1496.6 | 1495.2 | 1493.8 | 1492.4 | 1491.0 | 1492.4 | 1493.8 | 1495.2 | 1496.6 | 1497.3 |
| 150°   | 1533.1 | 1532.7 | 1531.8 | 1530.9 | 1530.1 | 1529.2 | 1530.1 | 1530.9 | 1531.8 | 1532.7 | 1533.1 |
| 152.5° | 1566.2 | 1565.5 | 1564.1 | 1562.6 | 1561.2 | 1559.8 | 1561.2 | 1562.6 | 1564.1 | 1565.5 | 1566.2 |
| 155°   | 1595.6 | 1594.7 | 1593.0 | 1591.3 | 1589.6 | 1587.9 | 1589.6 | 1591.3 | 1593.0 | 1594.7 | 1595.6 |
| 157.5° | 1622.3 | 1621.2 | 1618.9 | 1616.6 | 1614.4 | 1612.1 | 1614.4 | 1616.6 | 1618.9 | 1621.2 | 1622.3 |
| 160°   | 1644.0 | 1643.0 | 1641.0 | 1639.1 | 1637.1 | 1635.1 | 1637.1 | 1639.1 | 1641.0 | 1643.0 | 1644.0 |
| 162.5° | 1664.4 | 1663.6 | 1661.9 | 1660.2 | 1658.5 | 1656.8 | 1658.5 | 1660.2 | 1661.9 | 1663.6 | 1664.4 |
| 165°   | 1682.3 | 1681.3 | 1679.3 | 1677.4 | 1675.4 | 1673.4 | 1675.4 | 1677.4 | 1679.3 | 1681.3 | 1682.3 |
| 167.5° | 1696.3 | 1695.2 | 1692.9 | 1690.6 | 1688.4 | 1686.1 | 1688.4 | 1690.6 | 1692.9 | 1695.2 | 1696.3 |
| 170°   | 1707.8 | 1706.7 | 1704.4 | 1702.1 | 1699.9 | 1697.6 | 1699.9 | 1702.1 | 1704.4 | 1706.7 | 1707.8 |
| 172.5° | 1715.4 | 1714.1 | 1711.6 | 1709.1 | 1706.5 | 1704.0 | 1706.5 | 1709.1 | 1711.6 | 1714.1 | 1715.4 |
| 175°   | 1720.5 | 1719.4 | 1717.1 | 1714.8 | 1712.6 | 1710.3 | 1712.6 | 1714.8 | 1717.1 | 1719.4 | 1720.5 |
| 177.5° | 1724.4 | 1723.0 | 1720.1 | 1717.3 | 1714.4 | 1711.6 | 1714.4 | 1717.3 | 1720.1 | 1723.0 | 1724.4 |
| 180°   | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 0°     | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3 | 525.3  | 525.3 |
| 2.5°   | 497.0 | 498.8 | 497.0 | 493.4 | 497.0 | 499.2 | 501.5 | 505.1 | 506.9 | 506.9  | 509.5 |
| 5°     | 468.6 | 472.2 | 470.9 | 470.0 | 473.6 | 475.8 | 479.4 | 483.9 | 488.9 | 492.0  | 495.6 |
| 7.5°   | 443.4 | 445.7 | 447.9 | 447.9 | 451.5 | 456.5 | 461.9 | 467.3 | 473.6 | 478.1  | 480.8 |
| 10°    | 421.4 | 423.2 | 424.5 | 426.3 | 431.7 | 437.1 | 444.3 | 451.1 | 456.5 | 461.4  | 465.9 |
| 12.5°  | 400.3 | 403.0 | 406.1 | 407.5 | 411.5 | 418.3 | 425.0 | 433.1 | 441.6 | 446.6  | 451.1 |
| 15°    | 380.0 | 381.4 | 385.0 | 389.0 | 392.6 | 399.8 | 408.4 | 416.9 | 424.1 | 431.7  | 435.8 |
| 17.5°  | 359.3 | 359.8 | 369.2 | 367.0 | 378.7 | 385.4 | 389.9 | 398.0 | 409.7 | 416.0  | 422.3 |
| 20°    | 339.1 | 343.6 | 347.6 | 349.9 | 356.2 | 363.8 | 376.9 | 383.2 | 392.6 | 398.5  | 403.9 |
| 22.5°  | 323.4 | 330.1 | 330.1 | 335.5 | 338.6 | 345.8 | 355.3 | 367.4 | 377.8 | 381.8  | 389.5 |
| 25°    | 309.4 | 312.6 | 318.0 | 319.8 | 325.6 | 331.9 | 338.2 | 351.2 | 362.5 | 367.9  | 373.3 |
| 27.5°  | 291.4 | 295.5 | 302.7 | 302.7 | 310.3 | 317.1 | 324.7 | 333.3 | 344.5 | 352.1  | 358.0 |
| 30°    | 277.5 | 281.5 | 284.7 | 289.6 | 292.8 | 299.1 | 312.6 | 318.9 | 328.8 | 335.5  | 342.7 |
| 32.5°  | 264.4 | 267.6 | 270.3 | 275.7 | 279.3 | 286.5 | 293.7 | 304.9 | 313.5 | 319.8  | 327.4 |
| 35°    | 250.1 | 253.2 | 256.8 | 260.8 | 266.2 | 273.0 | 279.7 | 289.2 | 297.7 | 303.6  | 309.9 |
| 37.5°  | 236.6 | 238.8 | 244.2 | 246.9 | 251.4 | 257.7 | 266.2 | 276.1 | 283.8 | 288.3  | 294.6 |
| 40°    | 223.5 | 225.3 | 229.4 | 234.3 | 237.5 | 242.4 | 251.4 | 259.9 | 269.4 | 274.8  | 279.7 |
| 42.5°  | 209.6 | 211.8 | 215.4 | 220.4 | 225.3 | 230.7 | 235.7 | 245.6 | 254.1 | 258.6  | 264.0 |
| 45°    | 197.4 | 198.8 | 201.5 | 206.4 | 211.4 | 215.4 | 223.1 | 232.1 | 240.2 | 243.8  | 249.6 |
| 47.5°  | 183.0 | 184.4 | 188.4 | 190.7 | 196.1 | 201.5 | 209.1 | 218.1 | 225.3 | 228.9  | 234.3 |
| 50°    | 168.2 | 169.5 | 172.2 | 177.2 | 180.8 | 186.6 | 193.4 | 201.0 | 210.0 | 215.0  | 218.1 |
| 52.5°  | 153.8 | 156.5 | 158.8 | 162.8 | 167.3 | 173.1 | 179.4 | 186.6 | 194.3 | 199.2  | 202.8 |
| 55°    | 139.4 | 141.7 | 144.4 | 146.6 | 152.0 | 157.4 | 164.6 | 171.3 | 178.1 | 182.6  | 186.6 |
| 57.5°  | 123.2 | 126.4 | 129.1 | 133.6 | 137.6 | 142.1 | 150.2 | 155.6 | 163.7 | 166.9  | 170.4 |
| 60°    | 109.3 | 112.4 | 114.7 | 118.3 | 121.9 | 127.7 | 133.1 | 139.9 | 146.6 | 150.7  | 155.2 |
| 62.5°  | 97.6  | 98.9  | 100.3 | 103.9 | 107.5 | 112.9 | 118.3 | 125.0 | 132.2 | 134.5  | 138.1 |
| 65°    | 85.9  | 87.2  | 89.5  | 92.6  | 95.3  | 98.5  | 104.3 | 109.7 | 116.5 | 120.1  | 121.4 |
| 67.5°  | 76.0  | 77.4  | 77.8  | 80.1  | 82.3  | 85.9  | 89.0  | 94.4  | 100.7 | 103.0  | 105.7 |
| 70°    | 64.8  | 67.0  | 67.5  | 69.3  | 70.2  | 72.4  | 76.0  | 80.1  | 85.0  | 89.0   | 91.3  |
| 72.5°  | 51.7  | 54.9  | 55.8  | 58.5  | 59.8  | 62.1  | 64.8  | 67.9  | 71.1  | 72.9   | 74.7  |
| 75°    | 42.3  | 43.2  | 43.6  | 45.9  | 48.1  | 51.3  | 52.6  | 54.4  | 57.1  | 59.4   | 61.2  |
| 77.5°  | 35.1  | 35.5  | 36.0  | 36.0  | 36.4  | 38.2  | 40.9  | 43.2  | 45.0  | 45.9   | 47.2  |
| 80°    | 28.3  | 27.9  | 27.9  | 28.3  | 28.3  | 28.3  | 29.2  | 32.4  | 33.3  | 35.5   | 35.1  |
| 82.5°  | 22.0  | 21.1  | 21.6  | 21.1  | 21.1  | 21.1  | 21.1  | 21.6  | 21.6  | 22.9   | 23.8  |
| 85°    | 14.4  | 14.8  | 14.4  | 14.4  | 13.9  | 14.4  | 13.9  | 13.9  | 13.5  | 13.5   | 13.0  |
| 87.5°  | 7.6   | 8.1   | 7.6   | 7.6   | 7.2   | 7.6   | 7.2   | 7.2   | 6.7   | 6.7    | 5.8   |
| 90°    | 35.1  | 34.0  | 32.9  | 31.7  | 30.6  | 26.9  | 23.2  | 19.5  | 15.8  | 14.0   | 12.6  |
| 92.5°  | 41.1  | 39.1  | 37.2  | 35.2  | 33.2  | 30.6  | 28.1  | 25.5  | 23.0  | 21.7   | 22.5  |
| 95°    | 47.5  | 45.5  | 43.5  | 41.5  | 39.5  | 36.4  | 33.3  | 30.2  | 27.1  | 25.5   | 31.3  |
| 97.5°  | 49.9  | 47.6  | 45.3  | 43.1  | 40.8  | 55.3  | 69.7  | 84.2  | 98.7  | 105.9  | 109.9 |
| 100°   | 51.2  | 48.9  | 46.6  | 44.4  | 42.1  | 86.3  | 130.5 | 174.8 | 219.0 | 241.1  | 238.3 |
| 102.5° | 57.0  | 66.3  | 75.7  | 85.0  | 94.4  | 143.7 | 193.0 | 242.3 | 291.6 | 316.3  | 314.5 |
| 105°   | 78.7  | 128.8 | 179.0 | 229.1 | 279.3 | 304.8 | 330.3 | 355.8 | 381.3 | 394.1  | 392.5 |
| 107.5° | 321.5 | 365.2 | 408.8 | 452.5 | 496.1 | 491.9 | 487.6 | 483.4 | 479.1 | 477.0  | 475.7 |
| 110°   | 537.8 | 547.1 | 556.5 | 565.8 | 575.2 | 572.1 | 569.0 | 565.9 | 562.8 | 561.2  | 560.1 |

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**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 665.7  | 663.2  | 660.7  | 658.1  | 655.6  | 652.5  | 649.3  | 646.2  | 643.1  | 641.5  | 640.5  |
| 115°   | 743.4  | 740.6  | 737.7  | 734.9  | 732.1  | 729.5  | 727.0  | 724.4  | 721.9  | 720.6  | 719.8  |
| 117.5° | 816.4  | 814.1  | 811.8  | 809.6  | 807.3  | 805.9  | 804.5  | 803.1  | 801.7  | 801.0  | 800.0  |
| 120°   | 889.1  | 886.8  | 884.5  | 882.3  | 880.0  | 879.2  | 878.3  | 877.5  | 876.6  | 876.2  | 874.9  |
| 122.5° | 958.4  | 957.0  | 955.5  | 954.1  | 952.7  | 951.6  | 950.4  | 949.3  | 948.2  | 947.6  | 946.6  |
| 125°   | 1022.6 | 1022.0 | 1021.5 | 1020.9 | 1020.3 | 1019.2 | 1018.0 | 1016.9 | 1015.8 | 1015.2 | 1014.1 |
| 127.5° | 1091.4 | 1090.5 | 1089.6 | 1088.8 | 1087.9 | 1086.5 | 1085.1 | 1083.7 | 1082.3 | 1081.6 | 1080.5 |
| 130°   | 1152.4 | 1151.3 | 1150.2 | 1149.0 | 1147.9 | 1146.8 | 1145.6 | 1144.5 | 1143.4 | 1142.8 | 1141.7 |
| 132.5° | 1209.8 | 1208.7 | 1207.6 | 1206.4 | 1205.3 | 1204.5 | 1203.6 | 1202.8 | 1201.9 | 1201.5 | 1200.4 |
| 135°   | 1267.4 | 1266.5 | 1265.6 | 1264.8 | 1263.9 | 1262.8 | 1261.6 | 1260.5 | 1259.4 | 1258.8 | 1258.0 |
| 137.5° | 1320.6 | 1319.2 | 1317.8 | 1316.4 | 1315.0 | 1314.4 | 1313.8 | 1313.3 | 1312.7 | 1312.4 | 1311.3 |
| 140°   | 1369.2 | 1368.1 | 1367.0 | 1365.8 | 1364.7 | 1363.9 | 1363.0 | 1362.2 | 1361.3 | 1360.9 | 1360.0 |
| 142.5° | 1415.3 | 1414.4 | 1413.6 | 1412.7 | 1411.9 | 1411.1 | 1410.2 | 1409.4 | 1408.5 | 1408.1 | 1407.2 |
| 145°   | 1457.5 | 1457.0 | 1456.4 | 1455.9 | 1455.3 | 1454.7 | 1454.1 | 1453.6 | 1453.0 | 1452.7 | 1451.7 |
| 147.5° | 1497.0 | 1496.5 | 1495.9 | 1495.4 | 1494.8 | 1494.2 | 1493.6 | 1493.1 | 1492.5 | 1492.2 | 1491.5 |
| 150°   | 1532.8 | 1532.2 | 1531.7 | 1531.1 | 1530.5 | 1529.9 | 1529.4 | 1528.8 | 1528.3 | 1528.0 | 1527.6 |
| 152.5° | 1565.6 | 1564.5 | 1563.4 | 1562.2 | 1561.1 | 1560.8 | 1560.5 | 1560.2 | 1559.9 | 1559.8 | 1559.7 |
| 155°   | 1594.9 | 1593.5 | 1592.0 | 1590.6 | 1589.2 | 1588.9 | 1588.6 | 1588.3 | 1588.0 | 1587.9 | 1588.2 |
| 157.5° | 1621.5 | 1619.8 | 1618.1 | 1616.4 | 1614.7 | 1615.0 | 1615.3 | 1615.6 | 1615.9 | 1616.0 | 1616.0 |
| 160°   | 1643.2 | 1641.5 | 1639.8 | 1638.1 | 1636.4 | 1636.7 | 1636.9 | 1637.2 | 1637.5 | 1637.6 | 1637.7 |
| 162.5° | 1663.4 | 1661.4 | 1659.5 | 1657.5 | 1655.5 | 1655.8 | 1656.1 | 1656.4 | 1656.7 | 1656.8 | 1657.2 |
| 165°   | 1681.2 | 1678.9 | 1676.6 | 1674.4 | 1672.1 | 1672.4 | 1672.7 | 1673.0 | 1673.3 | 1673.4 | 1673.8 |
| 167.5° | 1695.2 | 1692.9 | 1690.6 | 1688.4 | 1686.1 | 1686.1 | 1686.1 | 1686.1 | 1686.1 | 1686.1 | 1686.7 |
| 170°   | 1706.7 | 1704.4 | 1702.1 | 1699.9 | 1697.6 | 1697.6 | 1697.6 | 1697.6 | 1697.6 | 1697.6 | 1698.2 |
| 172.5° | 1714.3 | 1712.0 | 1709.7 | 1707.5 | 1705.2 | 1704.9 | 1704.7 | 1704.4 | 1704.1 | 1704.0 | 1704.7 |
| 175°   | 1719.5 | 1717.5 | 1715.6 | 1713.6 | 1711.6 | 1711.3 | 1711.0 | 1710.7 | 1710.4 | 1710.3 | 1711.0 |
| 177.5° | 1723.3 | 1721.0 | 1718.7 | 1716.5 | 1714.2 | 1713.9 | 1713.6 | 1713.3 | 1713.0 | 1712.9 | 1713.6 |
| 180°   | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 | 1716.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 0°     | 525.3 | 525.3 | 525.3 | 525.3 |
| 2.5°   | 511.8 | 514.9 | 521.2 | 526.6 |
| 5°     | 501.0 | 506.0 | 515.4 | 524.8 |
| 7.5°   | 488.0 | 495.6 | 507.7 | 520.8 |
| 10°    | 475.4 | 485.3 | 500.1 | 515.4 |
| 12.5°  | 462.8 | 473.1 | 488.9 | 508.6 |
| 15°    | 447.9 | 458.7 | 477.6 | 501.5 |
| 17.5°  | 434.9 | 449.3 | 466.4 | 490.2 |
| 20°    | 421.0 | 431.7 | 453.8 | 479.0 |
| 22.5°  | 403.4 | 421.4 | 442.1 | 468.6 |
| 25°    | 389.5 | 405.2 | 425.9 | 456.0 |
| 27.5°  | 372.4 | 390.8 | 416.0 | 442.5 |
| 30°    | 358.4 | 373.7 | 397.1 | 429.0 |
| 32.5°  | 342.2 | 360.2 | 384.5 | 416.0 |
| 35°    | 327.9 | 343.1 | 366.1 | 398.0 |
| 37.5°  | 310.8 | 327.4 | 353.0 | 381.4 |
| 40°    | 295.9 | 312.1 | 336.4 | 362.9 |
| 42.5°  | 277.9 | 295.0 | 319.3 | 341.8 |
| 45°    | 263.5 | 279.3 | 298.6 | 319.3 |
| 47.5°  | 246.0 | 262.6 | 281.5 | 295.9 |
| 50°    | 230.3 | 245.6 | 260.4 | 272.5 |
| 52.5°  | 213.2 | 227.1 | 240.6 | 249.6 |
| 55°    | 197.4 | 208.2 | 219.0 | 225.3 |
| 57.5°  | 179.0 | 189.3 | 198.3 | 201.9 |
| 60°    | 162.8 | 171.3 | 177.2 | 181.2 |
| 62.5°  | 145.7 | 152.0 | 156.5 | 158.8 |
| 65°    | 129.1 | 133.6 | 135.8 | 138.1 |
| 67.5°  | 112.0 | 116.0 | 117.4 | 120.1 |
| 70°    | 94.0  | 98.5  | 99.4  | 100.7 |
| 72.5°  | 80.5  | 80.5  | 82.3  | 84.1  |
| 75°    | 64.3  | 65.2  | 66.1  | 66.1  |
| 77.5°  | 50.4  | 50.4  | 51.3  | 51.7  |
| 80°    | 36.9  | 37.3  | 37.3  | 36.9  |
| 82.5°  | 25.2  | 26.1  | 25.2  | 24.7  |
| 85°    | 13.9  | 15.7  | 14.8  | 14.8  |
| 87.5°  | 5.8   | 5.8   | 6.7   | 5.8   |
| 90°    | 9.8   | 6.9   | 4.1   | 1.3   |
| 92.5°  | 24.2  | 25.9  | 27.6  | 29.3  |
| 95°    | 42.9  | 54.6  | 66.2  | 77.8  |
| 97.5°  | 117.8 | 125.7 | 133.7 | 141.6 |
| 100°   | 232.6 | 226.9 | 221.2 | 215.5 |
| 102.5° | 310.8 | 307.1 | 303.4 | 299.7 |
| 105°   | 389.4 | 386.3 | 383.2 | 380.1 |
| 107.5° | 473.2 | 470.6 | 468.1 | 465.5 |
| 110°   | 557.8 | 555.5 | 553.3 | 551.0 |

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CATALOG NUMBER: S123RDIW-B340D1320UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 112.5° | 638.5  | 636.6  | 634.6  | 632.6  |
| 115°   | 718.1  | 716.4  | 714.7  | 713.0  |
| 117.5° | 798.0  | 796.0  | 794.0  | 792.0  |
| 120°   | 872.4  | 869.8  | 867.3  | 864.7  |
| 122.5° | 944.6  | 942.7  | 940.7  | 938.7  |
| 125°   | 1011.8 | 1009.5 | 1007.3 | 1005.0 |
| 127.5° | 1078.2 | 1075.9 | 1073.7 | 1071.4 |
| 130°   | 1139.4 | 1137.1 | 1134.9 | 1132.6 |
| 132.5° | 1198.1 | 1195.8 | 1193.5 | 1191.2 |
| 135°   | 1256.3 | 1254.6 | 1252.9 | 1251.2 |
| 137.5° | 1309.0 | 1306.7 | 1304.5 | 1302.2 |
| 140°   | 1358.3 | 1356.6 | 1354.9 | 1353.2 |
| 142.5° | 1405.5 | 1403.8 | 1402.1 | 1400.4 |
| 145°   | 1449.7 | 1447.8 | 1445.8 | 1443.8 |
| 147.5° | 1490.1 | 1488.7 | 1487.3 | 1485.9 |
| 150°   | 1526.7 | 1525.8 | 1525.0 | 1524.1 |
| 152.5° | 1559.4 | 1559.1 | 1558.9 | 1558.6 |
| 155°   | 1588.8 | 1589.3 | 1589.9 | 1590.5 |
| 157.5° | 1616.0 | 1616.0 | 1616.0 | 1616.0 |
| 160°   | 1638.0 | 1638.3 | 1638.6 | 1638.9 |
| 162.5° | 1658.1 | 1658.9 | 1659.8 | 1660.6 |
| 165°   | 1674.7 | 1675.5 | 1676.4 | 1677.2 |
| 167.5° | 1687.8 | 1688.9 | 1690.1 | 1691.2 |
| 170°   | 1699.3 | 1700.4 | 1701.6 | 1702.7 |
| 172.5° | 1706.1 | 1707.5 | 1708.9 | 1710.3 |
| 175°   | 1712.4 | 1713.9 | 1715.3 | 1716.7 |
| 177.5° | 1715.0 | 1716.5 | 1717.9 | 1719.3 |
| 180°   | 1716.7 | 1716.7 | 1716.7 | 1716.7 |

(END OF REPORT)