

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: P1008394

Luminaire Tested: S122RDIP-B485D1080UB2750-4F0-XX-W2A-A\_2700K

Issue Date: 5/6/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1008394  
REPORT IS A COMBINATION OF REPORTS P988224 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S122RDIP-B485D1080UB2750-4F0-XX-W2A-A\_2700K  
Description: Define 2 Regressed Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473}  
{m-EER=0.52}  
Light Source: -  
Ballast/Driver: -

**Summary**

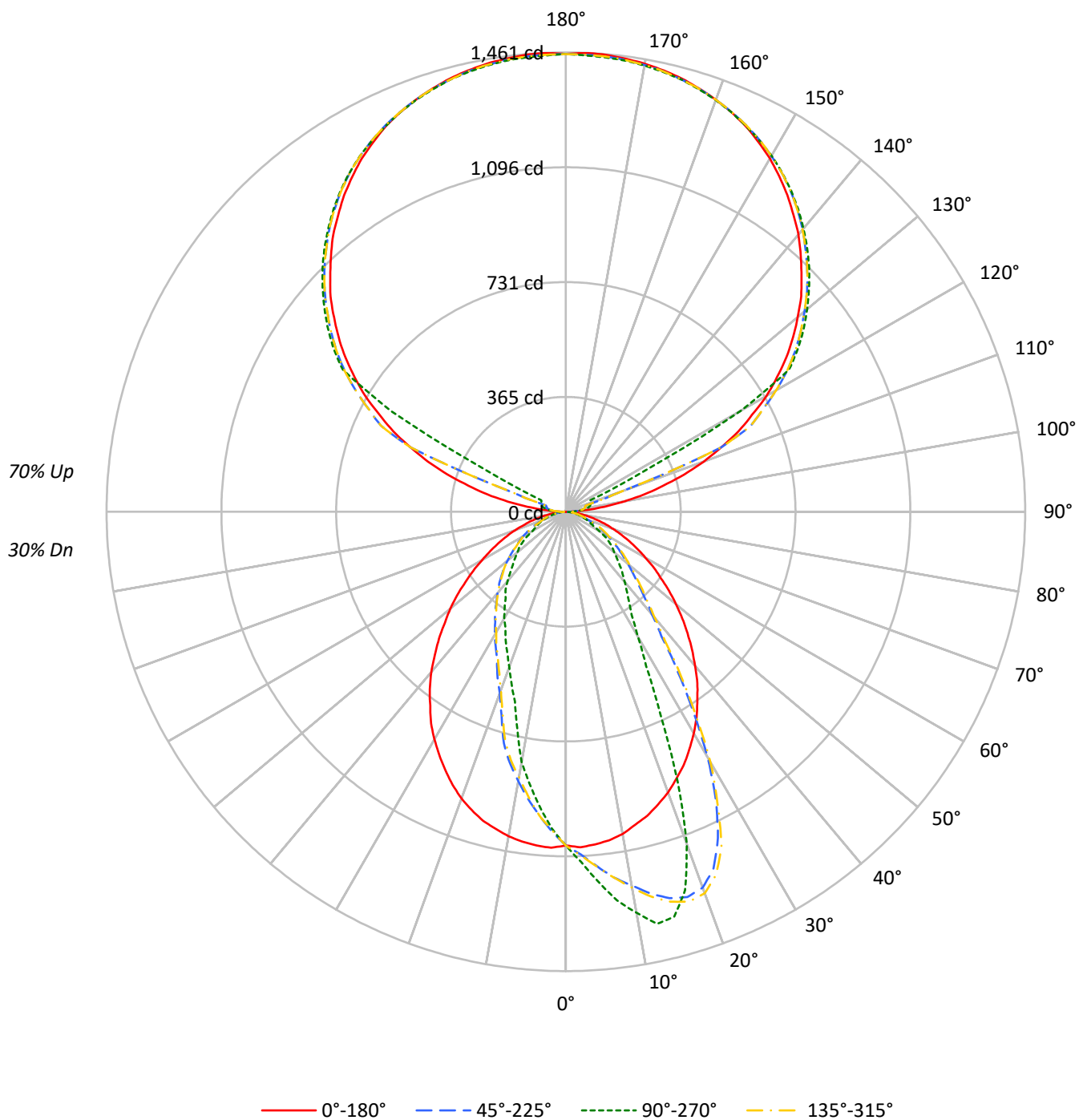
Lumens per Lamp: N/A  
Luminaire Lumens: 6104.0 lumens  
Efficiency: N/A  
Efficacy: 103.5 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')  
CIE Type: Semi-Indirect

Input Watts (W): 59  
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: 24 FT

TEST NUMBER: P1008394

CATALOG NUMBER: S122RDIP-B485D1080UB2750-4F0-XX-W2A-A\_2700K

### Luminous Intensity Polar Plot



TEST NUMBER: P1008394

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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    | 20 |
| RC  | 80  |     |     |     | 70 |    |    |    | 50 |    |    |    | 30 |    |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 102 | 102 | 102 | 102 | 92 | 92 | 92 | 92 | 72 | 72 | 72 | 54 | 54 | 54 | 38 | 38 | 38 |
| 1   | 94  | 90  | 86  | 83  | 84 | 81 | 78 | 75 | 64 | 62 | 60 | 48 | 47 | 46 | 34 | 33 | 33 |
| 2   | 86  | 79  | 73  | 68  | 77 | 71 | 66 | 62 | 57 | 53 | 50 | 43 | 41 | 39 | 31 | 29 | 28 |
| 3   | 79  | 70  | 63  | 58  | 70 | 63 | 57 | 53 | 50 | 46 | 43 | 39 | 36 | 34 | 28 | 26 | 25 |
| 4   | 72  | 62  | 55  | 49  | 65 | 56 | 50 | 45 | 45 | 41 | 37 | 35 | 32 | 29 | 25 | 23 | 22 |
| 5   | 66  | 55  | 48  | 42  | 59 | 50 | 44 | 39 | 40 | 36 | 32 | 31 | 28 | 26 | 23 | 21 | 19 |
| 6   | 61  | 50  | 42  | 37  | 55 | 45 | 39 | 34 | 37 | 32 | 28 | 28 | 25 | 23 | 21 | 19 | 17 |
| 7   | 57  | 45  | 38  | 32  | 51 | 41 | 34 | 30 | 33 | 28 | 25 | 26 | 23 | 20 | 19 | 17 | 16 |
| 8   | 52  | 41  | 34  | 29  | 47 | 37 | 31 | 27 | 30 | 26 | 22 | 24 | 21 | 18 | 18 | 16 | 14 |
| 9   | 49  | 37  | 30  | 26  | 44 | 34 | 28 | 24 | 28 | 23 | 20 | 22 | 19 | 16 | 16 | 14 | 13 |
| 10  | 46  | 34  | 27  | 23  | 41 | 31 | 25 | 21 | 26 | 21 | 18 | 20 | 17 | 15 | 15 | 13 | 12 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 16800 | 16800 | 16800 | 16800 |
| 5°  | 16838 | 17843 | 16897 | 14255 |
| 10° | 16653 | 18861 | 16771 | 11771 |
| 15° | 16292 | 18866 | 16568 | 8843  |
| 20° | 15857 | 15595 | 16202 | 7295  |
| 25° | 15331 | 9745  | 15661 | 6206  |
| 30° | 14658 | 6240  | 15056 | 5343  |
| 35° | 13839 | 4794  | 14287 | 4573  |
| 40° | 12927 | 4030  | 13479 | 4000  |
| 45° | 11951 | 3431  | 12451 | 3357  |
| 50° | 10952 | 2914  | 11464 | 2904  |
| 55° | 9846  | 2533  | 10376 | 2500  |
| 60° | 8864  | 1932  | 9331  | 1908  |
| 65° | 7945  | 1454  | 8415  | 1650  |
| 70° | 6929  | 1161  | 7475  | 1344  |
| 75° | 5857  | 890   | 6394  | 1016  |
| 80° | 4655  | 605   | 5006  | 666   |
| 85° | 3235  | 313   | 3546  | 329   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 15368 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 100.7  | 1.6       |
| 10°-20°   | 281.0  | 4.6       |
| 20°-30°   | 361.6  | 5.9       |
| 30°-40°   | 343.1  | 5.6       |
| 40°-50°   | 294.0  | 4.8       |
| 50°-60°   | 223.9  | 3.7       |
| 60°-70°   | 141.2  | 2.3       |
| 70°-80°   | 70.5   | 1.2       |
| 80°-90°   | 20.7   | 0.3       |
| 90°-100°  | 48.0   | 0.8       |
| 100°-110° | 178.9  | 2.9       |
| 110°-120° | 474.6  | 7.8       |
| 120°-130° | 787.1  | 12.9      |
| 130°-140° | 836.1  | 13.7      |
| 140°-150° | 777.0  | 12.7      |
| 150°-160° | 624.7  | 10.2      |
| 160°-170° | 402.5  | 6.6       |
| 170°-180° | 138.5  | 2.3       |
| 0°-30°    | 743.3  | 12.2      |
| 0°-40°    | 1086.3 | 17.8      |
| 0°-60°    | 1604.3 | 26.3      |
| 0°-90°    | 1836.6 | 30.1      |
| 90°-120°  | 701.5  | 11.5      |
| 90°-150°  | 3101.6 | 50.8      |
| 90°-180°  | 4267.0 | 69.9      |
| 0°-180°   | 6104.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1061 | 1061 | 1061 | 1061 | 1061 |      |
| 5°   | 1062 | 1181 | 1066 | 943  | 1062 | 101  |
| 15°  | 1001 | 1333 | 1018 | 625  | 1001 | 282  |
| 25°  | 888  | 711  | 907  | 453  | 888  | 408  |
| 35°  | 729  | 350  | 752  | 334  | 729  | 456  |
| 45°  | 547  | 243  | 570  | 238  | 547  | 422  |
| 55°  | 370  | 169  | 389  | 167  | 370  | 333  |
| 65°  | 224  | 88   | 237  | 100  | 224  | 222  |
| 75°  | 105  | 46   | 114  | 53   | 105  | 113  |
| 85°  | 23   | 13   | 25   | 14   | 23   | 26   |
| 90°  | 1    | 28   | 1    | 28   | 1    | 5    |
| 95°  | 68   | 45   | 68   | 45   | 68   | 81   |
| 105° | 320  | 80   | 320  | 80   | 320  | 342  |
| 115° | 606  | 86   | 606  | 86   | 606  | 596  |
| 125° | 856  | 901  | 856  | 901  | 856  | 764  |
| 135° | 1060 | 1094 | 1060 | 1094 | 1060 | 819  |
| 145° | 1229 | 1248 | 1229 | 1248 | 1229 | 769  |
| 155° | 1354 | 1354 | 1354 | 1354 | 1354 | 624  |
| 165° | 1426 | 1423 | 1426 | 1423 | 1426 | 403  |
| 175° | 1459 | 1450 | 1459 | 1450 | 1459 | 139  |
| 180° | 1456 | 1456 | 1456 | 1456 | 1456 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 |
| 2.5°   | 1067.9 | 1072.3 | 1074.5 | 1077.5 | 1084.1 | 1088.6 | 1095.2 | 1096.7 | 1095.9 | 1098.9 | 1090.8 |
| 5°     | 1062.0 | 1071.6 | 1080.4 | 1087.8 | 1099.6 | 1107.0 | 1115.1 | 1124.7 | 1126.9 | 1138.0 | 1131.3 |
| 7.5°   | 1053.9 | 1067.9 | 1080.4 | 1095.2 | 1112.9 | 1122.5 | 1135.0 | 1149.8 | 1156.4 | 1169.7 | 1173.4 |
| 10°    | 1040.6 | 1060.5 | 1081.9 | 1097.4 | 1121.7 | 1138.7 | 1150.5 | 1174.1 | 1189.6 | 1209.5 | 1206.6 |
| 12.5°  | 1019.2 | 1045.0 | 1073.8 | 1099.6 | 1131.3 | 1142.4 | 1164.5 | 1188.9 | 1208.8 | 1227.2 | 1243.4 |
| 15°    | 1000.8 | 1030.3 | 1062.0 | 1093.7 | 1129.9 | 1150.5 | 1172.6 | 1204.3 | 1225.7 | 1258.2 | 1272.2 |
| 17.5°  | 975.7  | 1013.3 | 1050.9 | 1086.3 | 1129.1 | 1152.7 | 1180.0 | 1211.0 | 1242.7 | 1273.7 | 1284.7 |
| 20°    | 949.9  | 990.5  | 1031.0 | 1079.0 | 1127.6 | 1150.5 | 1178.5 | 1216.9 | 1247.9 | 1272.2 | 1272.2 |
| 22.5°  | 918.9  | 968.3  | 1014.8 | 1060.5 | 1113.6 | 1146.8 | 1175.6 | 1220.6 | 1242.7 | 1247.9 | 1227.9 |
| 25°    | 888.0  | 937.4  | 988.3  | 1045.0 | 1105.5 | 1135.0 | 1167.5 | 1209.5 | 1216.9 | 1196.2 | 1144.6 |
| 27.5°  | 851.1  | 906.4  | 963.9  | 1025.1 | 1088.6 | 1125.4 | 1154.9 | 1183.0 | 1168.9 | 1113.6 | 1033.2 |
| 30°    | 813.5  | 873.2  | 938.1  | 996.4  | 1073.1 | 1107.0 | 1132.1 | 1140.2 | 1095.9 | 1006.0 | 902.0  |
| 32.5°  | 774.4  | 832.6  | 901.2  | 971.3  | 1048.7 | 1081.2 | 1097.4 | 1076.0 | 994.9  | 881.3  | 754.5  |
| 35°    | 728.7  | 794.3  | 865.8  | 938.8  | 1015.5 | 1039.9 | 1049.5 | 997.1  | 893.1  | 746.4  | 620.2  |
| 37.5°  | 687.4  | 753.0  | 829.7  | 904.2  | 978.7  | 991.9  | 982.4  | 900.5  | 768.5  | 623.2  | 500.0  |
| 40°    | 638.7  | 708.7  | 784.0  | 867.3  | 928.5  | 932.2  | 908.6  | 802.4  | 638.7  | 502.2  | 426.3  |
| 42.5°  | 593.7  | 664.5  | 739.7  | 824.5  | 871.0  | 858.5  | 826.7  | 687.4  | 533.2  | 432.9  | 371.7  |
| 45°    | 547.2  | 614.3  | 695.5  | 770.7  | 803.9  | 774.4  | 726.4  | 578.2  | 447.7  | 372.4  | 325.2  |
| 47.5°  | 502.2  | 564.9  | 645.3  | 717.6  | 723.5  | 690.3  | 633.5  | 484.5  | 387.9  | 327.5  | 289.1  |
| 50°    | 458.0  | 520.7  | 595.9  | 655.6  | 649.7  | 604.0  | 539.9  | 421.1  | 337.0  | 289.1  | 257.4  |
| 52.5°  | 413.7  | 470.5  | 543.5  | 590.7  | 565.7  | 521.4  | 458.0  | 357.0  | 294.3  | 252.2  | 227.9  |
| 55°    | 369.5  | 422.6  | 485.3  | 524.4  | 484.5  | 433.7  | 388.7  | 306.1  | 255.2  | 221.3  | 202.8  |
| 57.5°  | 332.6  | 374.7  | 432.2  | 455.8  | 407.8  | 368.0  | 328.9  | 263.3  | 221.3  | 196.9  | 175.5  |
| 60°    | 292.1  | 330.4  | 377.6  | 391.6  | 342.2  | 309.8  | 276.6  | 222.7  | 189.5  | 168.2  | 154.1  |
| 62.5°  | 257.4  | 289.1  | 325.2  | 325.2  | 281.7  | 257.4  | 232.3  | 186.6  | 159.3  | 142.3  | 135.7  |
| 65°    | 223.5  | 246.3  | 272.1  | 269.2  | 232.3  | 210.9  | 191.0  | 154.1  | 133.5  | 121.7  | 115.1  |
| 67.5°  | 190.3  | 208.0  | 224.9  | 214.6  | 188.1  | 169.6  | 151.2  | 124.6  | 110.6  | 102.5  | 93.7   |
| 70°    | 160.0  | 174.1  | 182.9  | 173.3  | 146.8  | 131.3  | 118.0  | 100.3  | 89.2   | 78.9   | 73.8   |
| 72.5°  | 134.2  | 140.1  | 143.1  | 131.3  | 109.2  | 100.3  | 90.7   | 78.2   | 68.6   | 63.4   | 62.0   |
| 75°    | 104.7  | 109.9  | 107.7  | 98.8   | 80.4   | 73.8   | 66.4   | 57.5   | 55.3   | 52.4   | 50.9   |
| 77.5°  | 81.9   | 81.9   | 78.2   | 70.1   | 57.5   | 52.4   | 49.4   | 45.0   | 42.8   | 42.0   | 40.6   |
| 80°    | 58.3   | 57.5   | 55.3   | 46.5   | 39.1   | 36.1   | 36.1   | 33.2   | 32.5   | 31.0   | 31.0   |
| 82.5°  | 38.4   | 38.4   | 35.4   | 28.0   | 25.8   | 25.1   | 24.3   | 22.9   | 22.9   | 22.1   | 22.1   |
| 85°    | 22.9   | 21.4   | 17.7   | 15.5   | 14.8   | 14.8   | 14.0   | 13.3   | 14.0   | 13.3   | 13.3   |
| 87.5°  | 10.3   | 8.1    | 5.9    | 5.9    | 5.9    | 5.9    | 5.9    | 5.9    | 5.9    | 5.9    | 5.9    |
| 90°    | 1.1    | 3.7    | 6.2    | 8.8    | 11.3   | 12.6   | 13.5   | 15.4   | 17.3   | 19.2   | 21.1   |
| 92.5°  | 26.3   | 25.4   | 24.4   | 23.5   | 22.6   | 22.1   | 22.5   | 23.2   | 23.9   | 24.6   | 25.3   |
| 95°    | 68.5   | 60.8   | 53.0   | 45.3   | 37.6   | 33.7   | 34.5   | 36.2   | 37.8   | 39.5   | 41.1   |
| 97.5°  | 123.2  | 104.0  | 84.8   | 65.7   | 46.5   | 36.9   | 38.8   | 42.5   | 46.2   | 50.0   | 53.7   |
| 100°   | 186.4  | 154.3  | 122.3  | 90.2   | 58.1   | 42.1   | 44.1   | 48.1   | 52.0   | 56.0   | 60.0   |
| 102.5° | 255.9  | 255.4  | 255.0  | 254.5  | 254.0  | 253.8  | 232.5  | 189.9  | 147.3  | 104.7  | 62.1   |
| 105°   | 320.2  | 327.2  | 334.2  | 341.3  | 348.3  | 351.8  | 319.9  | 256.0  | 192.1  | 128.2  | 64.3   |
| 107.5° | 395.0  | 400.8  | 406.7  | 412.5  | 418.4  | 421.3  | 381.9  | 303.0  | 224.1  | 145.3  | 66.4   |
| 110°   | 466.6  | 471.5  | 476.4  | 481.3  | 486.2  | 488.7  | 454.9  | 387.2  | 319.6  | 251.9  | 184.3  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 534.0  | 538.2  | 542.4  | 546.7  | 550.9  | 553.0  | 551.0  | 547.0  | 543.1  | 539.1  | 535.1  |
| 115°   | 605.6  | 609.6  | 613.6  | 617.5  | 621.5  | 623.5  | 626.4  | 632.3  | 638.2  | 644.0  | 649.9  |
| 117.5° | 667.8  | 672.5  | 677.2  | 681.9  | 686.6  | 688.9  | 690.9  | 694.9  | 698.8  | 702.8  | 706.8  |
| 120°   | 737.3  | 740.8  | 744.3  | 747.8  | 751.3  | 753.1  | 755.2  | 759.4  | 763.7  | 767.9  | 772.1  |
| 122.5° | 796.3  | 800.0  | 803.8  | 807.5  | 811.2  | 813.1  | 815.4  | 820.1  | 824.8  | 829.5  | 834.2  |
| 125°   | 856.3  | 859.3  | 862.4  | 865.4  | 868.5  | 870.0  | 872.2  | 876.7  | 881.1  | 885.6  | 890.0  |
| 127.5° | 911.1  | 914.4  | 917.6  | 920.9  | 924.2  | 925.8  | 927.6  | 931.1  | 934.6  | 938.1  | 941.6  |
| 130°   | 962.7  | 966.5  | 970.2  | 974.0  | 977.7  | 979.6  | 980.9  | 983.4  | 986.0  | 988.5  | 991.1  |
| 132.5° | 1015.4 | 1018.4 | 1021.5 | 1024.5 | 1027.6 | 1029.1 | 1030.4 | 1032.9 | 1035.5 | 1038.0 | 1040.6 |
| 135°   | 1059.6 | 1063.4 | 1067.1 | 1070.9 | 1074.6 | 1076.5 | 1077.5 | 1079.6 | 1081.7 | 1083.8 | 1085.9 |
| 137.5° | 1106.0 | 1108.8 | 1111.6 | 1114.4 | 1117.2 | 1118.6 | 1119.8 | 1122.1 | 1124.4 | 1126.8 | 1129.1 |
| 140°   | 1151.2 | 1153.1 | 1155.0 | 1156.9 | 1158.8 | 1159.7 | 1161.0 | 1163.6 | 1166.1 | 1168.7 | 1171.3 |
| 142.5° | 1189.2 | 1190.8 | 1192.4 | 1194.1 | 1195.7 | 1196.5 | 1198.0 | 1201.1 | 1204.1 | 1207.2 | 1210.2 |
| 145°   | 1229.2 | 1229.0 | 1228.7 | 1228.5 | 1228.2 | 1228.1 | 1230.1 | 1234.1 | 1238.0 | 1242.0 | 1246.0 |
| 147.5° | 1263.9 | 1263.2 | 1262.5 | 1261.8 | 1261.1 | 1260.8 | 1262.8 | 1266.8 | 1270.7 | 1274.7 | 1278.7 |
| 150°   | 1297.7 | 1296.1 | 1294.4 | 1292.8 | 1291.1 | 1290.3 | 1292.2 | 1295.9 | 1299.6 | 1303.4 | 1307.1 |
| 152.5° | 1326.1 | 1324.2 | 1322.4 | 1320.5 | 1318.6 | 1317.7 | 1319.5 | 1323.0 | 1326.5 | 1330.0 | 1333.5 |
| 155°   | 1353.5 | 1351.4 | 1349.3 | 1347.2 | 1345.1 | 1344.0 | 1345.4 | 1348.2 | 1351.0 | 1353.8 | 1356.6 |
| 157.5° | 1375.6 | 1373.7 | 1371.9 | 1370.0 | 1368.1 | 1367.2 | 1368.2 | 1370.3 | 1372.4 | 1374.5 | 1376.6 |
| 160°   | 1394.6 | 1393.2 | 1391.8 | 1390.3 | 1388.9 | 1388.2 | 1388.9 | 1390.3 | 1391.8 | 1393.2 | 1394.6 |
| 162.5° | 1411.4 | 1410.0 | 1408.6 | 1407.2 | 1405.8 | 1405.1 | 1405.7 | 1406.9 | 1408.0 | 1409.2 | 1410.4 |
| 165°   | 1426.2 | 1424.8 | 1423.4 | 1421.9 | 1420.5 | 1419.8 | 1420.2 | 1420.9 | 1421.6 | 1422.3 | 1423.0 |
| 167.5° | 1437.7 | 1436.3 | 1434.9 | 1433.5 | 1432.1 | 1431.4 | 1431.8 | 1432.5 | 1433.2 | 1433.9 | 1434.6 |
| 170°   | 1447.2 | 1445.8 | 1444.4 | 1443.0 | 1441.6 | 1440.9 | 1441.1 | 1441.6 | 1442.1 | 1442.5 | 1443.0 |
| 172.5° | 1453.5 | 1452.1 | 1450.7 | 1449.3 | 1447.9 | 1447.2 | 1447.4 | 1447.9 | 1448.4 | 1448.8 | 1449.3 |
| 175°   | 1458.8 | 1457.2 | 1455.5 | 1453.9 | 1452.2 | 1451.4 | 1451.6 | 1452.1 | 1452.6 | 1453.0 | 1453.5 |
| 177.5° | 1460.9 | 1459.3 | 1457.6 | 1456.0 | 1454.3 | 1453.5 | 1453.6 | 1453.9 | 1454.1 | 1454.4 | 1454.6 |
| 180°   | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 |
| 2.5°   | 1098.9 | 1100.4 | 1102.6 | 1112.9 | 1114.4 | 1117.3 | 1115.8 | 1115.8 | 1116.6 | 1115.1 | 1115.8 |
| 5°     | 1146.1 | 1148.3 | 1159.4 | 1171.9 | 1174.8 | 1171.9 | 1175.6 | 1180.7 | 1180.7 | 1180.7 | 1179.3 |
| 7.5°   | 1190.3 | 1198.4 | 1211.0 | 1229.4 | 1233.1 | 1236.8 | 1243.4 | 1239.0 | 1240.5 | 1247.1 | 1244.9 |
| 10°    | 1233.1 | 1244.9 | 1258.9 | 1274.4 | 1282.5 | 1287.7 | 1290.6 | 1297.3 | 1312.8 | 1295.1 | 1301.7 |
| 12.5°  | 1273.7 | 1290.6 | 1305.4 | 1322.3 | 1328.2 | 1334.9 | 1337.1 | 1343.0 | 1343.0 | 1342.3 | 1347.4 |
| 15°    | 1300.2 | 1315.7 | 1329.0 | 1340.0 | 1341.5 | 1340.0 | 1338.6 | 1339.3 | 1341.5 | 1332.7 | 1337.8 |
| 17.5°  | 1306.1 | 1307.6 | 1312.0 | 1307.6 | 1308.3 | 1292.8 | 1284.0 | 1281.8 | 1261.1 | 1261.9 | 1278.8 |
| 20°    | 1277.4 | 1252.3 | 1245.6 | 1221.3 | 1206.6 | 1166.7 | 1165.3 | 1154.2 | 1110.7 | 1124.0 | 1121.0 |
| 22.5°  | 1198.4 | 1155.7 | 1098.9 | 1070.9 | 1056.8 | 1014.8 | 982.4  | 959.5  | 944.0  | 928.5  | 921.9  |
| 25°    | 1094.5 | 1025.1 | 944.7  | 889.4  | 881.3  | 842.2  | 782.5  | 754.5  | 721.3  | 711.0  | 728.7  |
| 27.5°  | 960.2  | 870.3  | 779.5  | 694.7  | 679.2  | 643.8  | 613.6  | 593.7  | 555.3  | 553.1  | 554.6  |
| 30°    | 778.1  | 687.4  | 611.4  | 556.1  | 517.7  | 501.5  | 481.6  | 466.8  | 451.4  | 457.3  | 458.7  |
| 32.5°  | 639.4  | 553.1  | 482.3  | 452.8  | 435.1  | 424.8  | 407.8  | 398.3  | 391.6  | 389.4  | 388.7  |
| 35°    | 508.1  | 450.6  | 418.9  | 390.1  | 379.8  | 372.4  | 359.9  | 355.5  | 349.6  | 350.3  | 350.3  |
| 37.5°  | 435.1  | 387.2  | 363.6  | 348.8  | 339.3  | 335.6  | 327.5  | 323.0  | 319.3  | 317.9  | 320.1  |
| 40°    | 375.4  | 342.2  | 327.5  | 314.2  | 306.1  | 304.6  | 300.2  | 295.0  | 290.6  | 291.3  | 293.5  |
| 42.5°  | 331.9  | 312.7  | 295.0  | 284.7  | 278.8  | 276.6  | 272.9  | 269.2  | 269.2  | 267.0  | 266.2  |
| 45°    | 297.2  | 281.7  | 267.0  | 257.4  | 253.7  | 250.8  | 246.3  | 245.6  | 242.6  | 243.4  | 244.1  |
| 47.5°  | 266.2  | 253.7  | 242.6  | 233.1  | 229.4  | 228.6  | 224.2  | 221.3  | 221.3  | 220.5  | 219.8  |
| 50°    | 238.2  | 225.7  | 216.1  | 210.9  | 205.8  | 204.3  | 203.6  | 202.8  | 201.3  | 201.3  | 202.1  |
| 52.5°  | 215.4  | 202.8  | 195.4  | 191.0  | 188.1  | 186.6  | 186.6  | 185.9  | 185.9  | 185.9  | 185.1  |
| 55°    | 190.3  | 180.0  | 174.1  | 172.6  | 171.1  | 170.4  | 169.6  | 168.2  | 167.4  | 168.9  | 167.4  |
| 57.5°  | 166.7  | 163.0  | 157.8  | 156.4  | 152.7  | 152.7  | 150.5  | 149.0  | 147.5  | 149.0  | 149.0  |
| 60°    | 148.2  | 143.1  | 140.1  | 135.7  | 132.8  | 129.8  | 126.1  | 125.4  | 123.9  | 123.2  | 122.4  |
| 62.5°  | 129.1  | 124.6  | 117.3  | 110.6  | 106.2  | 103.3  | 101.8  | 101.0  | 101.0  | 100.3  | 100.3  |
| 65°    | 107.7  | 97.4   | 93.7   | 91.5   | 90.7   | 90.0   | 88.5   | 87.8   | 88.5   | 87.8   | 88.5   |
| 67.5°  | 84.1   | 82.6   | 80.4   | 78.9   | 78.2   | 77.4   | 77.4   | 76.7   | 76.7   | 76.7   | 76.7   |
| 70°    | 73.0   | 69.3   | 68.6   | 67.1   | 67.1   | 66.4   | 66.4   | 66.4   | 66.4   | 65.6   | 67.1   |
| 72.5°  | 60.5   | 58.3   | 57.5   | 56.8   | 56.8   | 56.8   | 56.1   | 56.1   | 56.1   | 55.3   | 56.1   |
| 75°    | 49.4   | 48.7   | 47.2   | 47.2   | 46.5   | 47.2   | 46.5   | 46.5   | 45.7   | 46.5   | 46.5   |
| 77.5°  | 39.8   | 39.1   | 38.4   | 38.4   | 37.6   | 37.6   | 37.6   | 37.6   | 37.6   | 37.6   | 38.4   |
| 80°    | 30.2   | 29.5   | 28.8   | 29.5   | 28.8   | 29.5   | 28.8   | 28.8   | 29.5   | 28.8   | 28.8   |
| 82.5°  | 22.1   | 21.4   | 21.4   | 20.7   | 20.7   | 20.7   | 20.7   | 20.7   | 20.7   | 20.7   | 20.7   |
| 85°    | 13.3   | 12.5   | 12.5   | 13.3   | 12.5   | 13.3   | 12.5   | 12.5   | 12.5   | 13.3   | 13.3   |
| 87.5°  | 5.9    | 6.6    | 5.9    | 5.9    | 5.9    | 5.9    | 5.9    | 5.9    | 5.9    | 5.9    | 6.6    |
| 90°    | 22.3   | 23.4   | 24.6   | 25.7   | 26.3   | 26.5   | 27.0   | 27.5   | 27.9   | 28.4   | 27.9   |
| 92.5°  | 25.8   | 26.2   | 26.7   | 27.2   | 27.4   | 27.5   | 27.7   | 28.0   | 28.2   | 28.4   | 28.2   |
| 95°    | 42.3   | 43.4   | 44.6   | 45.7   | 46.3   | 46.2   | 46.0   | 45.7   | 45.5   | 45.3   | 45.5   |
| 97.5°  | 54.4   | 55.1   | 55.8   | 56.5   | 56.9   | 57.0   | 57.2   | 57.5   | 57.7   | 57.9   | 57.7   |
| 100°   | 61.9   | 63.8   | 65.7   | 67.6   | 68.5   | 68.7   | 69.2   | 69.7   | 70.1   | 70.6   | 70.1   |
| 102.5° | 64.7   | 67.3   | 69.8   | 72.4   | 73.7   | 74.1   | 74.8   | 75.5   | 76.2   | 76.9   | 76.2   |
| 105°   | 66.9   | 69.4   | 72.0   | 74.5   | 75.8   | 76.3   | 77.2   | 78.1   | 79.1   | 80.0   | 79.1   |
| 107.5° | 69.0   | 71.5   | 74.1   | 76.6   | 77.9   | 78.4   | 79.3   | 80.3   | 81.2   | 82.2   | 81.2   |
| 110°   | 160.9  | 137.5  | 114.1  | 90.7   | 79.0   | 79.5   | 80.4   | 81.3   | 82.3   | 83.2   | 82.3   |

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CATALOG NUMBER: S122RDIP-B485D1080UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 434.2  | 333.3  | 232.4  | 131.5  | 81.1   | 81.5   | 82.2   | 82.9   | 83.6   | 84.3   | 83.6   |
| 115°   | 541.5  | 433.1  | 324.8  | 216.4  | 162.2  | 153.8  | 136.9  | 120.1  | 103.2  | 86.4   | 103.2  |
| 117.5° | 673.3  | 639.8  | 606.3  | 572.8  | 556.1  | 525.4  | 464.1  | 402.8  | 341.5  | 280.2  | 341.5  |
| 120°   | 774.9  | 777.7  | 780.5  | 783.3  | 784.7  | 768.9  | 737.3  | 705.7  | 674.1  | 642.5  | 674.1  |
| 122.5° | 835.6  | 837.0  | 838.4  | 839.8  | 840.5  | 840.6  | 840.9  | 841.1  | 841.4  | 841.6  | 841.4  |
| 125°   | 891.6  | 893.3  | 894.9  | 896.6  | 897.4  | 897.8  | 898.5  | 899.2  | 899.9  | 900.6  | 899.9  |
| 127.5° | 944.0  | 946.3  | 948.7  | 951.0  | 952.2  | 952.3  | 952.5  | 952.8  | 953.0  | 953.2  | 953.0  |
| 130°   | 993.7  | 996.3  | 998.8  | 1001.4 | 1002.7 | 1002.6 | 1002.4 | 1002.1 | 1001.9 | 1001.7 | 1001.9 |
| 132.5° | 1042.7 | 1044.8 | 1046.9 | 1049.0 | 1050.1 | 1050.0 | 1049.8 | 1049.5 | 1049.3 | 1049.1 | 1049.3 |
| 135°   | 1088.3 | 1090.6 | 1093.0 | 1095.3 | 1096.5 | 1096.3 | 1095.8 | 1095.3 | 1094.9 | 1094.4 | 1094.9 |
| 137.5° | 1131.5 | 1133.8 | 1136.2 | 1138.5 | 1139.7 | 1139.3 | 1138.6 | 1137.9 | 1137.2 | 1136.5 | 1137.2 |
| 140°   | 1173.4 | 1175.5 | 1177.6 | 1179.7 | 1180.7 | 1180.1 | 1179.0 | 1177.8 | 1176.7 | 1175.5 | 1176.7 |
| 142.5° | 1212.1 | 1214.0 | 1215.9 | 1217.8 | 1218.7 | 1218.1 | 1216.9 | 1215.8 | 1214.6 | 1213.4 | 1214.6 |
| 145°   | 1247.6 | 1249.3 | 1250.9 | 1252.6 | 1253.4 | 1252.8 | 1251.6 | 1250.5 | 1249.3 | 1248.1 | 1249.3 |
| 147.5° | 1279.9 | 1281.1 | 1282.2 | 1283.4 | 1284.0 | 1283.5 | 1282.6 | 1281.6 | 1280.7 | 1279.7 | 1280.7 |
| 150°   | 1308.5 | 1309.9 | 1311.4 | 1312.8 | 1313.5 | 1312.9 | 1311.7 | 1310.6 | 1309.4 | 1308.2 | 1309.4 |
| 152.5° | 1334.9 | 1336.3 | 1337.7 | 1339.1 | 1339.8 | 1339.0 | 1337.3 | 1335.7 | 1334.0 | 1332.4 | 1334.0 |
| 155°   | 1358.0 | 1359.4 | 1360.9 | 1362.3 | 1363.0 | 1362.1 | 1360.2 | 1358.3 | 1356.4 | 1354.5 | 1356.4 |
| 157.5° | 1378.2 | 1379.9 | 1381.5 | 1383.2 | 1384.0 | 1383.1 | 1381.2 | 1379.3 | 1377.5 | 1375.6 | 1377.5 |
| 160°   | 1396.0 | 1397.4 | 1398.8 | 1400.2 | 1400.9 | 1400.1 | 1398.4 | 1396.8 | 1395.1 | 1393.5 | 1395.1 |
| 162.5° | 1412.0 | 1413.6 | 1415.3 | 1416.9 | 1417.7 | 1416.6 | 1414.5 | 1412.4 | 1410.3 | 1408.2 | 1410.3 |
| 165°   | 1424.6 | 1426.3 | 1427.9 | 1429.6 | 1430.4 | 1429.6 | 1427.9 | 1426.3 | 1424.6 | 1423.0 | 1424.6 |
| 167.5° | 1436.2 | 1437.9 | 1439.5 | 1441.2 | 1442.0 | 1440.9 | 1438.8 | 1436.7 | 1434.6 | 1432.5 | 1434.6 |
| 170°   | 1444.6 | 1446.3 | 1447.9 | 1449.6 | 1450.4 | 1449.3 | 1447.2 | 1445.1 | 1443.0 | 1440.9 | 1443.0 |
| 172.5° | 1450.9 | 1452.6 | 1454.2 | 1455.9 | 1456.7 | 1455.6 | 1453.5 | 1451.4 | 1449.3 | 1447.2 | 1449.3 |
| 175°   | 1455.1 | 1456.8 | 1458.4 | 1460.1 | 1460.9 | 1459.7 | 1457.4 | 1455.1 | 1452.7 | 1450.4 | 1452.7 |
| 177.5° | 1456.2 | 1457.9 | 1459.5 | 1461.2 | 1462.0 | 1460.9 | 1458.8 | 1456.7 | 1454.6 | 1452.5 | 1454.6 |
| 180°   | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 |

TEST NUMBER: P1008394

CATALOG NUMBER: S122RDIP-B485D1080UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 |
| 2.5°   | 1118.8 | 1113.6 | 1112.2 | 1113.6 | 1112.2 | 1112.9 | 1107.7 | 1088.6 | 1093.7 | 1085.6 | 1090.0 |
| 5°     | 1182.2 | 1177.8 | 1168.2 | 1166.7 | 1165.3 | 1163.8 | 1156.4 | 1139.4 | 1132.8 | 1121.7 | 1121.0 |
| 7.5°   | 1242.7 | 1242.7 | 1235.3 | 1230.2 | 1223.5 | 1218.4 | 1208.8 | 1183.7 | 1173.4 | 1160.1 | 1152.7 |
| 10°    | 1302.4 | 1283.3 | 1291.4 | 1286.2 | 1270.0 | 1267.0 | 1249.3 | 1234.6 | 1214.7 | 1201.4 | 1189.6 |
| 12.5°  | 1345.2 | 1339.3 | 1331.9 | 1327.5 | 1323.1 | 1313.5 | 1301.7 | 1264.1 | 1253.8 | 1227.2 | 1213.9 |
| 15°    | 1343.7 | 1340.0 | 1342.3 | 1342.3 | 1340.8 | 1338.6 | 1329.0 | 1301.7 | 1284.0 | 1258.2 | 1235.3 |
| 17.5°  | 1271.5 | 1281.0 | 1290.6 | 1297.3 | 1312.0 | 1318.7 | 1327.5 | 1311.3 | 1300.2 | 1278.1 | 1253.8 |
| 20°    | 1145.3 | 1168.9 | 1197.0 | 1202.9 | 1216.1 | 1255.2 | 1272.9 | 1286.9 | 1291.4 | 1284.0 | 1264.1 |
| 22.5°  | 969.8  | 989.7  | 1057.6 | 1056.1 | 1075.3 | 1121.7 | 1173.4 | 1215.4 | 1248.6 | 1267.0 | 1259.7 |
| 25°    | 759.6  | 787.7  | 823.8  | 851.1  | 913.8  | 983.1  | 1047.3 | 1114.4 | 1171.9 | 1222.8 | 1235.3 |
| 27.5°  | 574.5  | 611.4  | 640.2  | 676.3  | 708.0  | 789.9  | 872.5  | 977.2  | 1044.3 | 1140.9 | 1191.1 |
| 30°    | 464.6  | 481.6  | 510.4  | 527.3  | 542.8  | 605.5  | 699.2  | 802.4  | 920.4  | 1031.8 | 1118.1 |
| 32.5°  | 396.8  | 408.6  | 430.0  | 437.3  | 453.6  | 495.6  | 554.6  | 649.0  | 770.7  | 905.7  | 1019.2 |
| 35°    | 356.2  | 368.8  | 373.2  | 379.8  | 393.1  | 419.6  | 460.2  | 528.8  | 638.7  | 770.7  | 906.4  |
| 37.5°  | 321.6  | 328.2  | 340.7  | 345.2  | 349.6  | 369.5  | 396.8  | 444.7  | 517.7  | 626.1  | 776.6  |
| 40°    | 297.2  | 300.9  | 307.5  | 311.2  | 314.2  | 328.2  | 352.5  | 385.0  | 438.8  | 521.4  | 660.1  |
| 42.5°  | 271.4  | 275.8  | 280.3  | 284.7  | 288.4  | 299.4  | 314.2  | 345.2  | 381.3  | 444.0  | 544.3  |
| 45°    | 246.3  | 249.3  | 254.4  | 257.4  | 262.6  | 271.4  | 284.7  | 306.1  | 338.5  | 378.3  | 459.5  |
| 47.5°  | 223.5  | 227.2  | 229.4  | 233.1  | 236.7  | 246.3  | 258.9  | 272.9  | 299.4  | 338.5  | 397.5  |
| 50°    | 202.8  | 207.2  | 210.2  | 210.9  | 213.9  | 222.7  | 233.1  | 248.5  | 265.5  | 295.7  | 347.4  |
| 52.5°  | 188.1  | 188.8  | 191.0  | 194.0  | 193.2  | 198.4  | 208.0  | 219.8  | 237.5  | 261.8  | 299.4  |
| 55°    | 171.1  | 173.3  | 174.8  | 175.5  | 175.5  | 180.0  | 185.1  | 196.2  | 210.2  | 230.1  | 261.8  |
| 57.5°  | 149.7  | 151.9  | 156.4  | 157.8  | 160.0  | 162.3  | 164.5  | 171.8  | 183.6  | 202.8  | 228.6  |
| 60°    | 127.6  | 129.1  | 133.5  | 136.4  | 137.9  | 143.8  | 146.8  | 152.7  | 159.3  | 173.3  | 197.7  |
| 62.5°  | 102.5  | 104.0  | 106.2  | 109.2  | 112.1  | 121.0  | 128.3  | 134.2  | 139.4  | 149.0  | 168.9  |
| 65°    | 89.2   | 90.0   | 91.5   | 92.2   | 92.9   | 96.6   | 103.3  | 111.4  | 121.0  | 128.3  | 140.1  |
| 67.5°  | 77.4   | 78.2   | 78.9   | 80.4   | 81.1   | 81.9   | 84.8   | 87.0   | 96.6   | 106.9  | 115.8  |
| 70°    | 66.4   | 67.9   | 68.6   | 68.6   | 69.3   | 70.8   | 72.3   | 75.2   | 78.2   | 83.3   | 94.4   |
| 72.5°  | 56.1   | 56.8   | 58.3   | 58.3   | 58.3   | 59.7   | 61.2   | 62.7   | 64.2   | 67.1   | 71.5   |
| 75°    | 46.5   | 47.9   | 47.9   | 47.9   | 48.7   | 48.7   | 50.2   | 51.6   | 53.1   | 55.3   | 56.8   |
| 77.5°  | 38.4   | 38.4   | 38.4   | 38.4   | 39.1   | 39.1   | 39.8   | 41.3   | 42.0   | 42.8   | 44.3   |
| 80°    | 28.8   | 29.5   | 29.5   | 29.5   | 30.2   | 30.2   | 30.2   | 31.7   | 32.5   | 32.5   | 33.9   |
| 82.5°  | 21.4   | 21.4   | 21.4   | 22.1   | 21.4   | 22.1   | 22.1   | 22.9   | 22.1   | 22.9   | 23.6   |
| 85°    | 13.3   | 13.3   | 13.3   | 14.0   | 14.0   | 14.0   | 14.0   | 14.0   | 14.0   | 14.0   | 14.8   |
| 87.5°  | 6.6    | 6.6    | 6.6    | 6.6    | 6.6    | 6.6    | 6.6    | 6.6    | 7.4    | 6.6    | 6.6    |
| 90°    | 27.5   | 27.0   | 26.5   | 26.3   | 25.7   | 24.6   | 23.4   | 22.3   | 21.1   | 19.2   | 17.3   |
| 92.5°  | 28.0   | 27.7   | 27.5   | 27.4   | 27.2   | 26.7   | 26.2   | 25.8   | 25.3   | 24.6   | 23.9   |
| 95°    | 45.7   | 46.0   | 46.2   | 46.3   | 45.7   | 44.6   | 43.4   | 42.3   | 41.1   | 39.5   | 37.8   |
| 97.5°  | 57.5   | 57.2   | 57.0   | 56.9   | 56.5   | 55.8   | 55.1   | 54.4   | 53.7   | 50.0   | 46.2   |
| 100°   | 69.7   | 69.2   | 68.7   | 68.5   | 67.6   | 65.7   | 63.8   | 61.9   | 60.0   | 56.0   | 52.0   |
| 102.5° | 75.5   | 74.8   | 74.1   | 73.7   | 72.4   | 69.8   | 67.3   | 64.7   | 62.1   | 104.7  | 147.3  |
| 105°   | 78.1   | 77.2   | 76.3   | 75.8   | 74.5   | 72.0   | 69.4   | 66.9   | 64.3   | 128.2  | 192.1  |
| 107.5° | 80.3   | 79.3   | 78.4   | 77.9   | 76.6   | 74.1   | 71.5   | 69.0   | 66.4   | 145.3  | 224.1  |
| 110°   | 81.3   | 80.4   | 79.5   | 79.0   | 90.7   | 114.1  | 137.5  | 160.9  | 184.3  | 251.9  | 319.6  |

TEST NUMBER: P1008394

CATALOG NUMBER: S122RDIP-B485D1080UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 82.9   | 82.2   | 81.5   | 81.1   | 131.5  | 232.4  | 333.3  | 434.2  | 535.1  | 539.1  | 543.1  |
| 115°   | 120.1  | 136.9  | 153.8  | 162.2  | 216.4  | 324.8  | 433.1  | 541.5  | 649.9  | 644.0  | 638.2  |
| 117.5° | 402.8  | 464.1  | 525.4  | 556.1  | 572.8  | 606.3  | 639.8  | 673.3  | 706.8  | 702.8  | 698.8  |
| 120°   | 705.7  | 737.3  | 768.9  | 784.7  | 783.3  | 780.5  | 777.7  | 774.9  | 772.1  | 767.9  | 763.7  |
| 122.5° | 841.1  | 840.9  | 840.6  | 840.5  | 839.8  | 838.4  | 837.0  | 835.6  | 834.2  | 829.5  | 824.8  |
| 125°   | 899.2  | 898.5  | 897.8  | 897.4  | 896.6  | 894.9  | 893.3  | 891.6  | 890.0  | 885.6  | 881.1  |
| 127.5° | 952.8  | 952.5  | 952.3  | 952.2  | 951.0  | 948.7  | 946.3  | 944.0  | 941.6  | 938.1  | 934.6  |
| 130°   | 1002.1 | 1002.4 | 1002.6 | 1002.7 | 1001.4 | 998.8  | 996.3  | 993.7  | 991.1  | 988.5  | 986.0  |
| 132.5° | 1049.5 | 1049.8 | 1050.0 | 1050.1 | 1049.0 | 1046.9 | 1044.8 | 1042.7 | 1040.6 | 1038.0 | 1035.5 |
| 135°   | 1095.3 | 1095.8 | 1096.3 | 1096.5 | 1095.3 | 1093.0 | 1090.6 | 1088.3 | 1085.9 | 1083.8 | 1081.7 |
| 137.5° | 1137.9 | 1138.6 | 1139.3 | 1139.7 | 1138.5 | 1136.2 | 1133.8 | 1131.5 | 1129.1 | 1126.8 | 1124.4 |
| 140°   | 1177.8 | 1179.0 | 1180.1 | 1180.7 | 1179.7 | 1177.6 | 1175.5 | 1173.4 | 1171.3 | 1168.7 | 1166.1 |
| 142.5° | 1215.8 | 1216.9 | 1218.1 | 1218.7 | 1217.8 | 1215.9 | 1214.0 | 1212.1 | 1210.2 | 1207.2 | 1204.1 |
| 145°   | 1250.5 | 1251.6 | 1252.8 | 1253.4 | 1252.6 | 1250.9 | 1249.3 | 1247.6 | 1246.0 | 1242.0 | 1238.0 |
| 147.5° | 1281.6 | 1282.6 | 1283.5 | 1284.0 | 1283.4 | 1282.2 | 1281.1 | 1279.9 | 1278.7 | 1274.7 | 1270.7 |
| 150°   | 1310.6 | 1311.7 | 1312.9 | 1313.5 | 1312.8 | 1311.4 | 1309.9 | 1308.5 | 1307.1 | 1303.4 | 1299.6 |
| 152.5° | 1335.7 | 1337.3 | 1339.0 | 1339.8 | 1339.1 | 1337.7 | 1336.3 | 1334.9 | 1333.5 | 1330.0 | 1326.5 |
| 155°   | 1358.3 | 1360.2 | 1362.1 | 1363.0 | 1362.3 | 1360.9 | 1359.4 | 1358.0 | 1356.6 | 1353.8 | 1351.0 |
| 157.5° | 1379.3 | 1381.2 | 1383.1 | 1384.0 | 1383.2 | 1381.5 | 1379.9 | 1378.2 | 1376.6 | 1374.5 | 1372.4 |
| 160°   | 1396.8 | 1398.4 | 1400.1 | 1400.9 | 1400.2 | 1398.8 | 1397.4 | 1396.0 | 1394.6 | 1393.2 | 1391.8 |
| 162.5° | 1412.4 | 1414.5 | 1416.6 | 1417.7 | 1416.9 | 1415.3 | 1413.6 | 1412.0 | 1410.4 | 1409.2 | 1408.0 |
| 165°   | 1426.3 | 1427.9 | 1429.6 | 1430.4 | 1429.6 | 1427.9 | 1426.3 | 1424.6 | 1423.0 | 1422.3 | 1421.6 |
| 167.5° | 1436.7 | 1438.8 | 1440.9 | 1442.0 | 1441.2 | 1439.5 | 1437.9 | 1436.2 | 1434.6 | 1433.9 | 1433.2 |
| 170°   | 1445.1 | 1447.2 | 1449.3 | 1450.4 | 1449.6 | 1447.9 | 1446.3 | 1444.6 | 1443.0 | 1442.5 | 1442.1 |
| 172.5° | 1451.4 | 1453.5 | 1455.6 | 1456.7 | 1455.9 | 1454.2 | 1452.6 | 1450.9 | 1449.3 | 1448.8 | 1448.4 |
| 175°   | 1455.1 | 1457.4 | 1459.7 | 1460.9 | 1460.1 | 1458.4 | 1456.8 | 1455.1 | 1453.5 | 1453.0 | 1452.6 |
| 177.5° | 1456.7 | 1458.8 | 1460.9 | 1462.0 | 1461.2 | 1459.5 | 1457.9 | 1456.2 | 1454.6 | 1454.4 | 1454.1 |
| 180°   | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 |

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**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 |
| 2.5°   | 1083.4 | 1079.7 | 1079.7 | 1077.5 | 1077.5 | 1065.7 | 1065.7 | 1069.4 | 1065.0 | 1059.8 | 1052.4 |
| 5°     | 1111.4 | 1103.3 | 1101.1 | 1098.1 | 1088.6 | 1073.8 | 1067.9 | 1065.7 | 1056.8 | 1045.8 | 1033.2 |
| 7.5°   | 1138.0 | 1124.7 | 1118.1 | 1111.4 | 1098.9 | 1078.2 | 1066.4 | 1058.3 | 1045.0 | 1028.1 | 1011.9 |
| 10°    | 1163.8 | 1146.8 | 1129.9 | 1121.7 | 1104.0 | 1078.2 | 1061.3 | 1048.0 | 1028.8 | 1006.0 | 983.1  |
| 12.5°  | 1187.4 | 1152.0 | 1149.0 | 1132.8 | 1107.0 | 1077.5 | 1051.7 | 1032.5 | 1008.2 | 981.6  | 955.1  |
| 15°    | 1208.0 | 1171.9 | 1154.2 | 1139.4 | 1105.5 | 1068.6 | 1041.4 | 1017.8 | 985.3  | 955.1  | 922.6  |
| 17.5°  | 1218.4 | 1179.3 | 1167.5 | 1143.1 | 1108.5 | 1060.5 | 1023.7 | 994.9  | 959.5  | 923.4  | 886.5  |
| 20°    | 1228.7 | 1183.0 | 1163.8 | 1146.8 | 1099.6 | 1045.0 | 1003.7 | 970.6  | 931.5  | 888.7  | 848.1  |
| 22.5°  | 1233.8 | 1183.0 | 1160.1 | 1136.5 | 1090.8 | 1028.1 | 979.4  | 940.3  | 894.6  | 851.1  | 802.4  |
| 25°    | 1225.0 | 1178.5 | 1151.2 | 1126.9 | 1075.3 | 1007.4 | 951.4  | 907.1  | 858.5  | 809.0  | 759.6  |
| 27.5°  | 1202.9 | 1168.2 | 1136.5 | 1111.4 | 1053.9 | 980.9  | 921.9  | 871.7  | 821.6  | 766.3  | 716.1  |
| 30°    | 1161.6 | 1146.1 | 1121.0 | 1093.0 | 1030.3 | 957.3  | 887.2  | 835.6  | 780.3  | 725.0  | 672.6  |
| 32.5°  | 1097.4 | 1110.7 | 1094.5 | 1070.1 | 1002.3 | 924.8  | 850.3  | 798.0  | 737.5  | 677.8  | 629.8  |
| 35°    | 1019.2 | 1066.4 | 1057.6 | 1040.6 | 972.8  | 890.2  | 815.7  | 752.3  | 691.8  | 631.3  | 583.4  |
| 37.5°  | 933.7  | 1005.2 | 1012.6 | 1002.3 | 938.8  | 854.8  | 772.9  | 711.0  | 649.0  | 587.8  | 539.1  |
| 40°    | 816.4  | 926.3  | 949.9  | 954.3  | 903.4  | 812.0  | 726.4  | 666.0  | 604.8  | 545.0  | 486.0  |
| 42.5°  | 708.7  | 847.4  | 876.9  | 895.3  | 858.5  | 770.0  | 683.7  | 616.6  | 556.1  | 502.2  | 443.2  |
| 45°    | 607.7  | 752.3  | 800.2  | 823.8  | 807.6  | 722.0  | 632.8  | 570.1  | 514.8  | 465.4  | 408.6  |
| 47.5°  | 503.7  | 649.0  | 716.1  | 753.7  | 753.7  | 673.3  | 584.1  | 522.2  | 469.1  | 427.0  | 376.9  |
| 50°    | 434.4  | 555.3  | 624.7  | 674.1  | 687.4  | 623.9  | 539.9  | 479.4  | 429.2  | 383.5  | 345.2  |
| 52.5°  | 370.2  | 478.6  | 536.2  | 587.8  | 626.1  | 570.8  | 490.4  | 435.9  | 386.5  | 343.7  | 313.4  |
| 55°    | 320.1  | 401.2  | 453.6  | 510.4  | 553.1  | 517.0  | 442.5  | 389.4  | 346.6  | 311.2  | 285.4  |
| 57.5°  | 272.1  | 342.9  | 385.7  | 435.9  | 481.6  | 454.3  | 394.6  | 348.8  | 311.2  | 280.3  | 257.4  |
| 60°    | 231.6  | 289.1  | 322.3  | 361.4  | 418.2  | 399.0  | 349.6  | 307.5  | 277.3  | 249.3  | 230.1  |
| 62.5°  | 196.9  | 242.6  | 270.7  | 298.7  | 350.3  | 341.5  | 303.1  | 270.7  | 244.9  | 221.3  | 205.0  |
| 65°    | 161.5  | 199.1  | 221.3  | 245.6  | 286.9  | 290.6  | 259.6  | 236.7  | 213.1  | 192.5  | 177.7  |
| 67.5°  | 130.5  | 160.0  | 180.0  | 200.6  | 233.8  | 244.1  | 222.7  | 203.6  | 183.6  | 166.7  | 153.4  |
| 70°    | 105.5  | 126.1  | 140.9  | 157.1  | 184.4  | 196.9  | 185.9  | 172.6  | 156.4  | 142.3  | 130.5  |
| 72.5°  | 83.3   | 96.6   | 105.5  | 118.0  | 140.1  | 152.7  | 151.9  | 140.1  | 128.3  | 118.7  | 109.2  |
| 75°    | 61.2   | 71.5   | 78.9   | 87.0   | 104.7  | 116.5  | 119.5  | 114.3  | 102.5  | 95.1   | 87.8   |
| 77.5°  | 46.5   | 52.4   | 56.1   | 62.0   | 74.5   | 84.8   | 89.2   | 87.8   | 79.7   | 73.8   | 68.6   |
| 80°    | 35.4   | 36.9   | 38.4   | 40.6   | 50.9   | 60.5   | 63.4   | 62.7   | 58.3   | 56.1   | 50.2   |
| 82.5°  | 25.1   | 25.8   | 26.6   | 27.3   | 31.0   | 39.1   | 42.0   | 43.5   | 39.8   | 37.6   | 32.5   |
| 85°    | 14.8   | 15.5   | 15.5   | 17.0   | 17.7   | 19.9   | 25.1   | 25.1   | 24.3   | 21.4   | 20.7   |
| 87.5°  | 7.4    | 7.4    | 6.6    | 6.6    | 7.4    | 8.1    | 9.6    | 11.1   | 9.6    | 8.9    | 8.1    |
| 90°    | 15.4   | 13.5   | 12.6   | 11.3   | 8.8    | 6.2    | 3.7    | 1.1    | 3.7    | 6.2    | 8.8    |
| 92.5°  | 23.2   | 22.5   | 22.1   | 22.6   | 23.5   | 24.4   | 25.4   | 26.3   | 25.4   | 24.4   | 23.5   |
| 95°    | 36.2   | 34.5   | 33.7   | 37.6   | 45.3   | 53.0   | 60.8   | 68.5   | 60.8   | 53.0   | 45.3   |
| 97.5°  | 42.5   | 38.8   | 36.9   | 46.5   | 65.7   | 84.8   | 104.0  | 123.2  | 104.0  | 84.8   | 65.7   |
| 100°   | 48.1   | 44.1   | 42.1   | 58.1   | 90.2   | 122.3  | 154.3  | 186.4  | 154.3  | 122.3  | 90.2   |
| 102.5° | 189.9  | 232.5  | 253.8  | 254.0  | 254.5  | 255.0  | 255.4  | 255.9  | 255.4  | 255.0  | 254.5  |
| 105°   | 256.0  | 319.9  | 351.8  | 348.3  | 341.3  | 334.2  | 327.2  | 320.2  | 327.2  | 334.2  | 341.3  |
| 107.5° | 303.0  | 381.9  | 421.3  | 418.4  | 412.5  | 406.7  | 400.8  | 395.0  | 400.8  | 406.7  | 412.5  |
| 110°   | 387.2  | 454.9  | 488.7  | 486.2  | 481.3  | 476.4  | 471.5  | 466.6  | 471.5  | 476.4  | 481.3  |

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CATALOG NUMBER: S122RDIP-B485D1080UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 547.0  | 551.0  | 553.0  | 550.9  | 546.7  | 542.4  | 538.2  | 534.0  | 538.2  | 542.4  | 546.7  |
| 115°   | 632.3  | 626.4  | 623.5  | 621.5  | 617.5  | 613.6  | 609.6  | 605.6  | 609.6  | 613.6  | 617.5  |
| 117.5° | 694.9  | 690.9  | 688.9  | 686.6  | 681.9  | 677.2  | 672.5  | 667.8  | 672.5  | 677.2  | 681.9  |
| 120°   | 759.4  | 755.2  | 753.1  | 751.3  | 747.8  | 744.3  | 740.8  | 737.3  | 740.8  | 744.3  | 747.8  |
| 122.5° | 820.1  | 815.4  | 813.1  | 811.2  | 807.5  | 803.8  | 800.0  | 796.3  | 800.0  | 803.8  | 807.5  |
| 125°   | 876.7  | 872.2  | 870.0  | 868.5  | 865.4  | 862.4  | 859.3  | 856.3  | 859.3  | 862.4  | 865.4  |
| 127.5° | 931.1  | 927.6  | 925.8  | 924.2  | 920.9  | 917.6  | 914.4  | 911.1  | 914.4  | 917.6  | 920.9  |
| 130°   | 983.4  | 980.9  | 979.6  | 977.7  | 974.0  | 970.2  | 966.5  | 962.7  | 966.5  | 970.2  | 974.0  |
| 132.5° | 1032.9 | 1030.4 | 1029.1 | 1027.6 | 1024.5 | 1021.5 | 1018.4 | 1015.4 | 1018.4 | 1021.5 | 1024.5 |
| 135°   | 1079.6 | 1077.5 | 1076.5 | 1074.6 | 1070.9 | 1067.1 | 1063.4 | 1059.6 | 1063.4 | 1067.1 | 1070.9 |
| 137.5° | 1122.1 | 1119.8 | 1118.6 | 1117.2 | 1114.4 | 1111.6 | 1108.8 | 1106.0 | 1108.8 | 1111.6 | 1114.4 |
| 140°   | 1163.6 | 1161.0 | 1159.7 | 1158.8 | 1156.9 | 1155.0 | 1153.1 | 1151.2 | 1153.1 | 1155.0 | 1156.9 |
| 142.5° | 1201.1 | 1198.0 | 1196.5 | 1195.7 | 1194.1 | 1192.4 | 1190.8 | 1189.2 | 1190.8 | 1192.4 | 1194.1 |
| 145°   | 1234.1 | 1230.1 | 1228.1 | 1228.2 | 1228.5 | 1228.7 | 1229.0 | 1229.2 | 1229.0 | 1228.7 | 1228.5 |
| 147.5° | 1266.8 | 1262.8 | 1260.8 | 1261.1 | 1261.8 | 1262.5 | 1263.2 | 1263.9 | 1263.2 | 1262.5 | 1261.8 |
| 150°   | 1295.9 | 1292.2 | 1290.3 | 1291.1 | 1292.8 | 1294.4 | 1296.1 | 1297.7 | 1296.1 | 1294.4 | 1292.8 |
| 152.5° | 1323.0 | 1319.5 | 1317.7 | 1318.6 | 1320.5 | 1322.4 | 1324.2 | 1326.1 | 1324.2 | 1322.4 | 1320.5 |
| 155°   | 1348.2 | 1345.4 | 1344.0 | 1345.1 | 1347.2 | 1349.3 | 1351.4 | 1353.5 | 1351.4 | 1349.3 | 1347.2 |
| 157.5° | 1370.3 | 1368.2 | 1367.2 | 1368.1 | 1370.0 | 1371.9 | 1373.7 | 1375.6 | 1373.7 | 1371.9 | 1370.0 |
| 160°   | 1390.3 | 1388.9 | 1388.2 | 1388.9 | 1390.3 | 1391.8 | 1393.2 | 1394.6 | 1393.2 | 1391.8 | 1390.3 |
| 162.5° | 1406.9 | 1405.7 | 1405.1 | 1405.8 | 1407.2 | 1408.6 | 1410.0 | 1411.4 | 1410.0 | 1408.6 | 1407.2 |
| 165°   | 1420.9 | 1420.2 | 1419.8 | 1420.5 | 1421.9 | 1423.4 | 1424.8 | 1426.2 | 1424.8 | 1423.4 | 1421.9 |
| 167.5° | 1432.5 | 1431.8 | 1431.4 | 1432.1 | 1433.5 | 1434.9 | 1436.3 | 1437.7 | 1436.3 | 1434.9 | 1433.5 |
| 170°   | 1441.6 | 1441.1 | 1440.9 | 1441.6 | 1443.0 | 1444.4 | 1445.8 | 1447.2 | 1445.8 | 1444.4 | 1443.0 |
| 172.5° | 1447.9 | 1447.4 | 1447.2 | 1447.9 | 1449.3 | 1450.7 | 1452.1 | 1453.5 | 1452.1 | 1450.7 | 1449.3 |
| 175°   | 1452.1 | 1451.6 | 1451.4 | 1452.2 | 1453.9 | 1455.5 | 1457.2 | 1458.8 | 1457.2 | 1455.5 | 1453.9 |
| 177.5° | 1453.9 | 1453.6 | 1453.5 | 1454.3 | 1456.0 | 1457.6 | 1459.3 | 1460.9 | 1459.3 | 1457.6 | 1456.0 |
| 180°   | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 |

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**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 |
| 2.5°   | 1049.5 | 1050.2 | 1052.4 | 1045.8 | 1035.5 | 1031.0 | 1017.8 | 1015.5 | 1013.3 | 1013.3 | 1015.5 |
| 5°     | 1025.9 | 1022.9 | 1023.7 | 1011.1 | 996.4  | 987.5  | 969.1  | 972.0  | 962.4  | 956.5  | 958.0  |
| 7.5°   | 1000.1 | 991.9  | 991.2  | 975.0  | 956.5  | 940.3  | 921.1  | 916.7  | 907.9  | 897.5  | 893.1  |
| 10°    | 967.6  | 961.7  | 950.6  | 932.2  | 908.6  | 895.3  | 869.5  | 854.0  | 851.8  | 836.3  | 830.4  |
| 12.5°  | 934.4  | 924.1  | 913.0  | 887.2  | 860.7  | 839.3  | 820.1  | 803.1  | 791.3  | 778.1  | 769.2  |
| 15°    | 896.1  | 883.5  | 871.0  | 843.7  | 812.7  | 791.3  | 762.6  | 737.5  | 702.8  | 675.6  | 660.1  |
| 17.5°  | 854.0  | 840.0  | 823.1  | 792.8  | 762.6  | 733.1  | 680.0  | 650.5  | 626.1  | 609.9  | 600.3  |
| 20°    | 810.5  | 795.0  | 778.1  | 747.8  | 695.5  | 643.8  | 614.3  | 591.5  | 576.7  | 560.5  | 548.7  |
| 22.5°  | 764.8  | 748.6  | 730.1  | 682.9  | 627.6  | 591.5  | 568.6  | 547.2  | 525.8  | 517.0  | 511.1  |
| 25°    | 722.0  | 707.3  | 683.7  | 619.5  | 576.0  | 542.8  | 517.0  | 503.0  | 491.9  | 480.1  | 469.1  |
| 27.5°  | 677.8  | 650.5  | 617.3  | 563.5  | 536.2  | 502.2  | 483.8  | 473.5  | 454.3  | 446.2  | 441.0  |
| 30°    | 624.7  | 594.4  | 562.7  | 524.4  | 492.7  | 469.1  | 452.1  | 435.1  | 424.1  | 416.0  | 407.1  |
| 32.5°  | 570.8  | 542.1  | 522.2  | 482.3  | 458.7  | 434.4  | 418.2  | 407.8  | 391.6  | 386.5  | 382.8  |
| 35°    | 524.4  | 500.0  | 482.3  | 449.9  | 427.8  | 405.6  | 393.8  | 378.3  | 368.0  | 358.4  | 352.5  |
| 37.5°  | 478.6  | 465.4  | 446.9  | 419.6  | 396.0  | 378.3  | 362.1  | 357.0  | 342.9  | 337.8  | 331.9  |
| 40°    | 446.9  | 427.0  | 411.5  | 387.9  | 368.0  | 348.8  | 338.5  | 326.7  | 317.1  | 309.0  | 306.8  |
| 42.5°  | 408.6  | 393.8  | 385.0  | 359.2  | 338.5  | 327.5  | 314.9  | 301.6  | 294.3  | 287.6  | 279.5  |
| 45°    | 379.8  | 366.5  | 354.0  | 333.4  | 314.9  | 300.9  | 289.8  | 281.0  | 268.5  | 265.5  | 253.0  |
| 47.5°  | 349.6  | 336.3  | 326.7  | 306.1  | 289.1  | 275.8  | 267.7  | 255.9  | 245.6  | 239.0  | 233.1  |
| 50°    | 319.3  | 308.3  | 299.4  | 281.7  | 267.0  | 253.0  | 241.9  | 230.1  | 225.7  | 214.6  | 210.9  |
| 52.5°  | 290.6  | 283.2  | 273.6  | 256.7  | 241.9  | 230.1  | 218.3  | 208.7  | 202.1  | 196.2  | 191.8  |
| 55°    | 266.2  | 254.4  | 250.0  | 231.6  | 219.0  | 206.5  | 196.2  | 190.3  | 182.2  | 178.5  | 174.8  |
| 57.5°  | 239.0  | 232.3  | 224.9  | 210.9  | 196.9  | 185.1  | 177.7  | 168.9  | 164.5  | 160.0  | 157.1  |
| 60°    | 215.4  | 205.8  | 199.9  | 188.1  | 175.5  | 164.5  | 157.8  | 151.2  | 145.3  | 141.6  | 135.7  |
| 62.5°  | 188.1  | 180.7  | 177.0  | 164.5  | 154.1  | 143.8  | 137.9  | 131.3  | 126.9  | 120.2  | 112.8  |
| 65°    | 164.5  | 158.6  | 154.1  | 143.8  | 134.2  | 124.6  | 118.7  | 110.6  | 104.7  | 101.0  | 100.3  |
| 67.5°  | 143.8  | 139.4  | 132.8  | 123.2  | 113.6  | 106.2  | 99.6   | 92.9   | 92.2   | 90.7   | 90.7   |
| 70°    | 121.0  | 116.5  | 112.8  | 102.5  | 94.4   | 86.3   | 84.8   | 82.6   | 80.4   | 79.7   | 78.2   |
| 72.5°  | 101.0  | 97.4   | 92.9   | 84.1   | 76.0   | 73.8   | 72.3   | 70.8   | 68.6   | 67.9   | 67.1   |
| 75°    | 81.9   | 76.7   | 73.8   | 65.6   | 63.4   | 62.0   | 60.5   | 58.3   | 56.8   | 56.1   | 54.6   |
| 77.5°  | 62.7   | 57.5   | 57.5   | 53.1   | 51.6   | 49.4   | 47.9   | 46.5   | 45.7   | 44.3   | 44.3   |
| 80°    | 44.3   | 44.3   | 42.8   | 40.6   | 38.4   | 37.6   | 35.4   | 34.7   | 33.9   | 34.7   | 33.2   |
| 82.5°  | 32.5   | 29.5   | 29.5   | 28.0   | 26.6   | 25.8   | 24.3   | 24.3   | 23.6   | 23.6   | 23.6   |
| 85°    | 18.4   | 18.4   | 17.7   | 16.2   | 15.5   | 15.5   | 14.8   | 14.8   | 14.0   | 14.0   | 13.3   |
| 87.5°  | 7.4    | 6.6    | 7.4    | 6.6    | 6.6    | 5.9    | 5.9    | 5.9    | 5.2    | 5.9    | 5.2    |
| 90°    | 11.3   | 12.6   | 13.5   | 15.4   | 17.3   | 19.2   | 21.1   | 22.3   | 23.4   | 24.6   | 25.7   |
| 92.5°  | 22.6   | 22.1   | 22.5   | 23.2   | 23.9   | 24.6   | 25.3   | 25.8   | 26.2   | 26.7   | 27.2   |
| 95°    | 37.6   | 33.7   | 34.5   | 36.2   | 37.8   | 39.5   | 41.1   | 42.3   | 43.4   | 44.6   | 45.7   |
| 97.5°  | 46.5   | 36.9   | 38.8   | 42.5   | 46.2   | 50.0   | 53.7   | 54.4   | 55.1   | 55.8   | 56.5   |
| 100°   | 58.1   | 42.1   | 44.1   | 48.1   | 52.0   | 56.0   | 60.0   | 61.9   | 63.8   | 65.7   | 67.6   |
| 102.5° | 254.0  | 253.8  | 232.5  | 189.9  | 147.3  | 104.7  | 62.1   | 64.7   | 67.3   | 69.8   | 72.4   |
| 105°   | 348.3  | 351.8  | 319.9  | 256.0  | 192.1  | 128.2  | 64.3   | 66.9   | 69.4   | 72.0   | 74.5   |
| 107.5° | 418.4  | 421.3  | 381.9  | 303.0  | 224.1  | 145.3  | 66.4   | 69.0   | 71.5   | 74.1   | 76.6   |
| 110°   | 486.2  | 488.7  | 454.9  | 387.2  | 319.6  | 251.9  | 184.3  | 160.9  | 137.5  | 114.1  | 90.7   |

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CATALOG NUMBER: S122RDIP-B485D1080UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 550.9  | 553.0  | 551.0  | 547.0  | 543.1  | 539.1  | 535.1  | 434.2  | 333.3  | 232.4  | 131.5  |
| 115°   | 621.5  | 623.5  | 626.4  | 632.3  | 638.2  | 644.0  | 649.9  | 541.5  | 433.1  | 324.8  | 216.4  |
| 117.5° | 686.6  | 688.9  | 690.9  | 694.9  | 698.8  | 702.8  | 706.8  | 673.3  | 639.8  | 606.3  | 572.8  |
| 120°   | 751.3  | 753.1  | 755.2  | 759.4  | 763.7  | 767.9  | 772.1  | 774.9  | 777.7  | 780.5  | 783.3  |
| 122.5° | 811.2  | 813.1  | 815.4  | 820.1  | 824.8  | 829.5  | 834.2  | 835.6  | 837.0  | 838.4  | 839.8  |
| 125°   | 868.5  | 870.0  | 872.2  | 876.7  | 881.1  | 885.6  | 890.0  | 891.6  | 893.3  | 894.9  | 896.6  |
| 127.5° | 924.2  | 925.8  | 927.6  | 931.1  | 934.6  | 938.1  | 941.6  | 944.0  | 946.3  | 948.7  | 951.0  |
| 130°   | 977.7  | 979.6  | 980.9  | 983.4  | 986.0  | 988.5  | 991.1  | 993.7  | 996.3  | 998.8  | 1001.4 |
| 132.5° | 1027.6 | 1029.1 | 1030.4 | 1032.9 | 1035.5 | 1038.0 | 1040.6 | 1042.7 | 1044.8 | 1046.9 | 1049.0 |
| 135°   | 1074.6 | 1076.5 | 1077.5 | 1079.6 | 1081.7 | 1083.8 | 1085.9 | 1088.3 | 1090.6 | 1093.0 | 1095.3 |
| 137.5° | 1117.2 | 1118.6 | 1119.8 | 1122.1 | 1124.4 | 1126.8 | 1129.1 | 1131.5 | 1133.8 | 1136.2 | 1138.5 |
| 140°   | 1158.8 | 1159.7 | 1161.0 | 1163.6 | 1166.1 | 1168.7 | 1171.3 | 1173.4 | 1175.5 | 1177.6 | 1179.7 |
| 142.5° | 1195.7 | 1196.5 | 1198.0 | 1201.1 | 1204.1 | 1207.2 | 1210.2 | 1212.1 | 1214.0 | 1215.9 | 1217.8 |
| 145°   | 1228.2 | 1228.1 | 1230.1 | 1234.1 | 1238.0 | 1242.0 | 1246.0 | 1247.6 | 1249.3 | 1250.9 | 1252.6 |
| 147.5° | 1261.1 | 1260.8 | 1262.8 | 1266.8 | 1270.7 | 1274.7 | 1278.7 | 1279.9 | 1281.1 | 1282.2 | 1283.4 |
| 150°   | 1291.1 | 1290.3 | 1292.2 | 1295.9 | 1299.6 | 1303.4 | 1307.1 | 1308.5 | 1309.9 | 1311.4 | 1312.8 |
| 152.5° | 1318.6 | 1317.7 | 1319.5 | 1323.0 | 1326.5 | 1330.0 | 1333.5 | 1334.9 | 1336.3 | 1337.7 | 1339.1 |
| 155°   | 1345.1 | 1344.0 | 1345.4 | 1348.2 | 1351.0 | 1353.8 | 1356.6 | 1358.0 | 1359.4 | 1360.9 | 1362.3 |
| 157.5° | 1368.1 | 1367.2 | 1368.2 | 1370.3 | 1372.4 | 1374.5 | 1376.6 | 1378.2 | 1379.9 | 1381.5 | 1383.2 |
| 160°   | 1388.9 | 1388.2 | 1388.9 | 1390.3 | 1391.8 | 1393.2 | 1394.6 | 1396.0 | 1397.4 | 1398.8 | 1400.2 |
| 162.5° | 1405.8 | 1405.1 | 1405.7 | 1406.9 | 1408.0 | 1409.2 | 1410.4 | 1412.0 | 1413.6 | 1415.3 | 1416.9 |
| 165°   | 1420.5 | 1419.8 | 1420.2 | 1420.9 | 1421.6 | 1422.3 | 1423.0 | 1424.6 | 1426.3 | 1427.9 | 1429.6 |
| 167.5° | 1432.1 | 1431.4 | 1431.8 | 1432.5 | 1433.2 | 1433.9 | 1434.6 | 1436.2 | 1437.9 | 1439.5 | 1441.2 |
| 170°   | 1441.6 | 1440.9 | 1441.1 | 1441.6 | 1442.1 | 1442.5 | 1443.0 | 1444.6 | 1446.3 | 1447.9 | 1449.6 |
| 172.5° | 1447.9 | 1447.2 | 1447.4 | 1447.9 | 1448.4 | 1448.8 | 1449.3 | 1450.9 | 1452.6 | 1454.2 | 1455.9 |
| 175°   | 1452.2 | 1451.4 | 1451.6 | 1452.1 | 1452.6 | 1453.0 | 1453.5 | 1455.1 | 1456.8 | 1458.4 | 1460.1 |
| 177.5° | 1454.3 | 1453.5 | 1453.6 | 1453.9 | 1454.1 | 1454.4 | 1454.6 | 1456.2 | 1457.9 | 1459.5 | 1461.2 |
| 180°   | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 |

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CATALOG NUMBER: S122RDIP-B485D1080UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 |
| 2.5°   | 1015.5 | 1014.1 | 1009.6 | 1011.1 | 1008.9 | 1008.9 | 1007.4 | 1007.4 | 1007.4 | 1011.1 | 1008.9 |
| 5°     | 960.2  | 955.1  | 949.9  | 947.7  | 945.5  | 943.3  | 943.3  | 942.5  | 949.2  | 947.7  | 953.6  |
| 7.5°   | 891.6  | 890.2  | 879.8  | 879.8  | 876.2  | 874.7  | 878.4  | 879.1  | 879.8  | 881.3  | 885.0  |
| 10°    | 830.4  | 826.7  | 812.0  | 813.5  | 811.3  | 808.3  | 810.5  | 809.0  | 814.2  | 815.7  | 814.2  |
| 12.5°  | 758.2  | 751.5  | 735.3  | 727.2  | 718.3  | 711.7  | 719.8  | 713.9  | 734.6  | 740.5  | 756.7  |
| 15°    | 662.3  | 649.7  | 638.7  | 638.7  | 630.6  | 624.7  | 628.4  | 635.0  | 639.4  | 646.1  | 649.0  |
| 17.5°  | 598.1  | 593.0  | 584.1  | 578.9  | 576.7  | 574.5  | 574.5  | 577.5  | 587.1  | 586.3  | 592.2  |
| 20°    | 543.5  | 540.6  | 536.2  | 529.5  | 527.3  | 525.8  | 525.8  | 525.8  | 532.5  | 538.4  | 542.1  |
| 22.5°  | 505.9  | 503.7  | 500.8  | 491.9  | 487.5  | 486.0  | 489.7  | 491.9  | 497.1  | 501.5  | 505.2  |
| 25°    | 468.3  | 463.2  | 458.0  | 455.0  | 452.8  | 452.8  | 454.3  | 455.0  | 457.3  | 459.5  | 463.9  |
| 27.5°  | 437.3  | 433.7  | 426.3  | 418.2  | 418.2  | 416.0  | 417.4  | 418.9  | 424.1  | 431.4  | 435.1  |
| 30°    | 402.7  | 401.9  | 399.0  | 396.0  | 393.1  | 391.6  | 394.6  | 396.8  | 397.5  | 401.2  | 401.2  |
| 32.5°  | 377.6  | 372.4  | 367.3  | 364.3  | 362.9  | 362.1  | 362.9  | 365.8  | 365.8  | 370.2  | 375.4  |
| 35°    | 352.5  | 349.6  | 344.4  | 339.3  | 337.8  | 334.1  | 337.0  | 340.0  | 345.2  | 347.4  | 349.6  |
| 37.5°  | 325.2  | 321.6  | 319.3  | 317.9  | 314.9  | 315.7  | 313.4  | 317.9  | 322.3  | 321.6  | 323.0  |
| 40°    | 304.6  | 298.0  | 291.3  | 290.6  | 289.8  | 289.1  | 289.1  | 289.8  | 292.8  | 295.7  | 300.2  |
| 42.5°  | 278.0  | 275.8  | 269.9  | 264.0  | 262.6  | 261.1  | 259.6  | 262.6  | 268.5  | 273.6  | 275.8  |
| 45°    | 250.8  | 247.8  | 246.3  | 241.9  | 239.0  | 238.2  | 236.7  | 240.4  | 245.6  | 247.8  | 249.3  |
| 47.5°  | 225.7  | 224.9  | 220.5  | 221.3  | 219.0  | 219.8  | 219.0  | 221.3  | 221.3  | 223.5  | 224.9  |
| 50°    | 208.7  | 206.5  | 204.3  | 202.8  | 200.6  | 200.6  | 199.9  | 200.6  | 203.6  | 206.5  | 205.8  |
| 52.5°  | 191.8  | 188.1  | 187.3  | 186.6  | 185.1  | 186.6  | 184.4  | 185.1  | 188.1  | 189.5  | 188.8  |
| 55°    | 171.8  | 171.1  | 169.6  | 168.2  | 167.4  | 166.7  | 166.7  | 166.7  | 169.6  | 171.8  | 172.6  |
| 57.5°  | 156.4  | 152.7  | 149.7  | 149.7  | 146.8  | 146.0  | 147.5  | 148.2  | 150.5  | 151.9  | 153.4  |
| 60°    | 135.0  | 133.5  | 129.1  | 126.9  | 122.4  | 121.7  | 121.7  | 124.6  | 128.3  | 133.5  | 135.0  |
| 62.5°  | 112.1  | 109.9  | 109.2  | 109.2  | 109.2  | 109.2  | 109.2  | 109.2  | 109.2  | 109.9  | 109.9  |
| 65°    | 99.6   | 100.3  | 99.6   | 98.8   | 99.6   | 99.6   | 98.8   | 98.8   | 98.8   | 99.6   | 100.3  |
| 67.5°  | 89.2   | 88.5   | 89.2   | 88.5   | 87.8   | 87.8   | 87.0   | 87.8   | 88.5   | 89.2   | 89.2   |
| 70°    | 77.4   | 77.4   | 76.7   | 77.4   | 76.7   | 76.0   | 75.2   | 75.2   | 76.7   | 77.4   | 77.4   |
| 72.5°  | 66.4   | 66.4   | 65.6   | 65.6   | 64.2   | 64.2   | 64.9   | 64.2   | 64.2   | 66.4   | 66.4   |
| 75°    | 55.3   | 54.6   | 53.8   | 53.8   | 53.1   | 53.1   | 53.1   | 52.4   | 53.8   | 53.8   | 54.6   |
| 77.5°  | 43.5   | 43.5   | 43.5   | 42.8   | 42.8   | 42.0   | 42.0   | 42.8   | 42.8   | 42.8   | 43.5   |
| 80°    | 33.2   | 33.2   | 33.2   | 32.5   | 31.7   | 31.7   | 31.7   | 31.7   | 31.7   | 32.5   | 31.7   |
| 82.5°  | 22.9   | 22.9   | 22.9   | 22.9   | 22.9   | 22.1   | 22.1   | 22.1   | 22.9   | 22.9   | 22.1   |
| 85°    | 14.0   | 13.3   | 14.0   | 14.0   | 13.3   | 14.0   | 13.3   | 13.3   | 12.5   | 12.5   | 13.3   |
| 87.5°  | 5.9    | 5.2    | 4.4    | 4.4    | 5.2    | 4.4    | 4.4    | 4.4    | 5.2    | 4.4    | 4.4    |
| 90°    | 26.3   | 26.5   | 27.0   | 27.5   | 27.9   | 28.4   | 27.9   | 27.5   | 27.0   | 26.5   | 26.3   |
| 92.5°  | 27.4   | 27.5   | 27.7   | 28.0   | 28.2   | 28.4   | 28.2   | 28.0   | 27.7   | 27.5   | 27.4   |
| 95°    | 46.3   | 46.2   | 46.0   | 45.7   | 45.5   | 45.3   | 45.5   | 45.7   | 46.0   | 46.2   | 46.3   |
| 97.5°  | 56.9   | 57.0   | 57.2   | 57.5   | 57.7   | 57.9   | 57.7   | 57.5   | 57.2   | 57.0   | 56.9   |
| 100°   | 68.5   | 68.7   | 69.2   | 69.7   | 70.1   | 70.6   | 70.1   | 69.7   | 69.2   | 68.7   | 68.5   |
| 102.5° | 73.7   | 74.1   | 74.8   | 75.5   | 76.2   | 76.9   | 76.2   | 75.5   | 74.8   | 74.1   | 73.7   |
| 105°   | 75.8   | 76.3   | 77.2   | 78.1   | 79.1   | 80.0   | 79.1   | 78.1   | 77.2   | 76.3   | 75.8   |
| 107.5° | 77.9   | 78.4   | 79.3   | 80.3   | 81.2   | 82.2   | 81.2   | 80.3   | 79.3   | 78.4   | 77.9   |
| 110°   | 79.0   | 79.5   | 80.4   | 81.3   | 82.3   | 83.2   | 82.3   | 81.3   | 80.4   | 79.5   | 79.0   |

TEST NUMBER: P1008394

CATALOG NUMBER: S122RDIP-B485D1080UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 81.1   | 81.5   | 82.2   | 82.9   | 83.6   | 84.3   | 83.6   | 82.9   | 82.2   | 81.5   | 81.1   |
| 115°   | 162.2  | 153.8  | 136.9  | 120.1  | 103.2  | 86.4   | 103.2  | 120.1  | 136.9  | 153.8  | 162.2  |
| 117.5° | 556.1  | 525.4  | 464.1  | 402.8  | 341.5  | 280.2  | 341.5  | 402.8  | 464.1  | 525.4  | 556.1  |
| 120°   | 784.7  | 768.9  | 737.3  | 705.7  | 674.1  | 642.5  | 674.1  | 705.7  | 737.3  | 768.9  | 784.7  |
| 122.5° | 840.5  | 840.6  | 840.9  | 841.1  | 841.4  | 841.6  | 841.4  | 841.1  | 840.9  | 840.6  | 840.5  |
| 125°   | 897.4  | 897.8  | 898.5  | 899.2  | 899.9  | 900.6  | 899.9  | 899.2  | 898.5  | 897.8  | 897.4  |
| 127.5° | 952.2  | 952.3  | 952.5  | 952.8  | 953.0  | 953.2  | 953.0  | 952.8  | 952.5  | 952.3  | 952.2  |
| 130°   | 1002.7 | 1002.6 | 1002.4 | 1002.1 | 1001.9 | 1001.7 | 1001.9 | 1002.1 | 1002.4 | 1002.6 | 1002.7 |
| 132.5° | 1050.1 | 1050.0 | 1049.8 | 1049.5 | 1049.3 | 1049.1 | 1049.3 | 1049.5 | 1049.8 | 1050.0 | 1050.1 |
| 135°   | 1096.5 | 1096.3 | 1095.8 | 1095.3 | 1094.9 | 1094.4 | 1094.9 | 1095.3 | 1095.8 | 1096.3 | 1096.5 |
| 137.5° | 1139.7 | 1139.3 | 1138.6 | 1137.9 | 1137.2 | 1136.5 | 1137.2 | 1137.9 | 1138.6 | 1139.3 | 1139.7 |
| 140°   | 1180.7 | 1180.1 | 1179.0 | 1177.8 | 1176.7 | 1175.5 | 1176.7 | 1177.8 | 1179.0 | 1180.1 | 1180.7 |
| 142.5° | 1218.7 | 1218.1 | 1216.9 | 1215.8 | 1214.6 | 1213.4 | 1214.6 | 1215.8 | 1216.9 | 1218.1 | 1218.7 |
| 145°   | 1253.4 | 1252.8 | 1251.6 | 1250.5 | 1249.3 | 1248.1 | 1249.3 | 1250.5 | 1251.6 | 1252.8 | 1253.4 |
| 147.5° | 1284.0 | 1283.5 | 1282.6 | 1281.6 | 1280.7 | 1279.7 | 1280.7 | 1281.6 | 1282.6 | 1283.5 | 1284.0 |
| 150°   | 1313.5 | 1312.9 | 1311.7 | 1310.6 | 1309.4 | 1308.2 | 1309.4 | 1310.6 | 1311.7 | 1312.9 | 1313.5 |
| 152.5° | 1339.8 | 1339.0 | 1337.3 | 1335.7 | 1334.0 | 1332.4 | 1334.0 | 1335.7 | 1337.3 | 1339.0 | 1339.8 |
| 155°   | 1363.0 | 1362.1 | 1360.2 | 1358.3 | 1356.4 | 1354.5 | 1356.4 | 1358.3 | 1360.2 | 1362.1 | 1363.0 |
| 157.5° | 1384.0 | 1383.1 | 1381.2 | 1379.3 | 1377.5 | 1375.6 | 1377.5 | 1379.3 | 1381.2 | 1383.1 | 1384.0 |
| 160°   | 1400.9 | 1400.1 | 1398.4 | 1396.8 | 1395.1 | 1393.5 | 1395.1 | 1396.8 | 1398.4 | 1400.1 | 1400.9 |
| 162.5° | 1417.7 | 1416.6 | 1414.5 | 1412.4 | 1410.3 | 1408.2 | 1410.3 | 1412.4 | 1414.5 | 1416.6 | 1417.7 |
| 165°   | 1430.4 | 1429.6 | 1427.9 | 1426.3 | 1424.6 | 1423.0 | 1424.6 | 1426.3 | 1427.9 | 1429.6 | 1430.4 |
| 167.5° | 1442.0 | 1440.9 | 1438.8 | 1436.7 | 1434.6 | 1432.5 | 1434.6 | 1436.7 | 1438.8 | 1440.9 | 1442.0 |
| 170°   | 1450.4 | 1449.3 | 1447.2 | 1445.1 | 1443.0 | 1440.9 | 1443.0 | 1445.1 | 1447.2 | 1449.3 | 1450.4 |
| 172.5° | 1456.7 | 1455.6 | 1453.5 | 1451.4 | 1449.3 | 1447.2 | 1449.3 | 1451.4 | 1453.5 | 1455.6 | 1456.7 |
| 175°   | 1460.9 | 1459.7 | 1457.4 | 1455.1 | 1452.7 | 1450.4 | 1452.7 | 1455.1 | 1457.4 | 1459.7 | 1460.9 |
| 177.5° | 1462.0 | 1460.9 | 1458.8 | 1456.7 | 1454.6 | 1452.5 | 1454.6 | 1456.7 | 1458.8 | 1460.9 | 1462.0 |
| 180°   | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 |

TEST NUMBER: P1008394

CATALOG NUMBER: S122RDIP-B485D1080UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 | 1061.3 |
| 2.5°   | 1011.1 | 1014.8 | 1013.3 | 1005.2 | 1013.3 | 1015.5 | 1020.0 | 1024.4 | 1027.3 | 1031.8 | 1035.5 |
| 5°     | 947.7  | 955.1  | 959.5  | 955.1  | 969.8  | 972.0  | 982.4  | 988.3  | 997.1  | 1004.5 | 1010.4 |
| 7.5°   | 888.0  | 893.9  | 902.7  | 904.2  | 913.0  | 923.4  | 938.1  | 952.9  | 966.9  | 974.2  | 980.9  |
| 10°    | 823.8  | 834.1  | 847.4  | 844.4  | 857.7  | 873.9  | 889.4  | 913.0  | 924.8  | 938.1  | 949.9  |
| 12.5°  | 759.6  | 766.3  | 784.0  | 789.9  | 809.0  | 821.6  | 843.0  | 857.7  | 887.2  | 902.7  | 913.0  |
| 15°    | 647.5  | 674.8  | 696.9  | 723.5  | 748.6  | 772.2  | 791.3  | 817.9  | 843.7  | 855.5  | 872.5  |
| 17.5°  | 596.6  | 609.2  | 622.5  | 635.7  | 668.2  | 710.2  | 744.1  | 772.9  | 795.0  | 810.5  | 830.4  |
| 20°    | 543.5  | 556.1  | 570.8  | 583.4  | 603.3  | 633.5  | 675.6  | 725.0  | 751.5  | 767.7  | 786.9  |
| 22.5°  | 505.9  | 517.7  | 527.3  | 538.4  | 553.9  | 576.0  | 607.7  | 668.9  | 704.3  | 724.2  | 741.2  |
| 25°    | 465.4  | 480.1  | 490.4  | 498.6  | 511.1  | 535.4  | 561.2  | 595.9  | 659.3  | 674.8  | 698.4  |
| 27.5°  | 437.3  | 441.8  | 453.6  | 466.1  | 478.6  | 491.9  | 518.5  | 548.0  | 590.7  | 624.7  | 653.4  |
| 30°    | 404.2  | 415.2  | 426.3  | 431.4  | 442.5  | 461.7  | 477.9  | 509.6  | 542.8  | 569.4  | 604.0  |
| 32.5°  | 379.1  | 385.7  | 393.1  | 405.6  | 416.0  | 429.2  | 445.5  | 472.0  | 500.0  | 517.0  | 543.5  |
| 35°    | 351.1  | 355.5  | 371.0  | 376.1  | 386.5  | 399.7  | 416.0  | 436.6  | 466.8  | 480.1  | 499.3  |
| 37.5°  | 324.5  | 334.8  | 339.3  | 351.1  | 360.6  | 373.9  | 385.7  | 409.3  | 429.2  | 444.7  | 462.4  |
| 40°    | 303.9  | 308.3  | 316.4  | 326.7  | 334.8  | 345.2  | 359.9  | 376.9  | 398.3  | 410.8  | 426.3  |
| 42.5°  | 278.8  | 282.5  | 292.8  | 298.7  | 312.0  | 321.6  | 330.4  | 351.1  | 370.2  | 379.8  | 395.3  |
| 45°    | 251.5  | 260.3  | 267.0  | 278.8  | 286.2  | 298.0  | 309.0  | 323.8  | 341.5  | 352.5  | 361.4  |
| 47.5°  | 227.9  | 236.7  | 243.4  | 254.4  | 266.2  | 271.4  | 283.2  | 298.7  | 314.9  | 323.8  | 336.3  |
| 50°    | 208.7  | 211.7  | 224.2  | 229.4  | 241.9  | 252.2  | 260.3  | 273.6  | 291.3  | 296.5  | 306.8  |
| 52.5°  | 190.3  | 192.5  | 200.6  | 207.2  | 218.3  | 227.2  | 237.5  | 250.0  | 264.8  | 272.9  | 281.0  |
| 55°    | 174.1  | 175.5  | 179.2  | 186.6  | 194.0  | 205.0  | 214.6  | 226.4  | 239.0  | 247.8  | 255.2  |
| 57.5°  | 155.6  | 158.6  | 161.5  | 165.9  | 173.3  | 183.6  | 194.0  | 205.0  | 215.4  | 221.3  | 230.8  |
| 60°    | 134.2  | 138.7  | 143.8  | 149.0  | 154.1  | 161.5  | 173.3  | 183.6  | 193.2  | 198.4  | 205.8  |
| 62.5°  | 111.4  | 120.2  | 124.6  | 130.5  | 135.0  | 141.6  | 150.5  | 162.3  | 168.9  | 175.5  | 181.4  |
| 65°    | 100.3  | 101.0  | 101.8  | 107.7  | 115.8  | 122.4  | 130.5  | 139.4  | 149.7  | 154.1  | 158.6  |
| 67.5°  | 89.2   | 90.0   | 91.5   | 92.2   | 95.1   | 102.5  | 111.4  | 121.0  | 129.1  | 132.0  | 136.4  |
| 70°    | 78.2   | 78.2   | 81.1   | 81.9   | 82.6   | 83.3   | 90.7   | 100.3  | 107.7  | 111.4  | 116.5  |
| 72.5°  | 66.4   | 67.1   | 68.6   | 69.3   | 70.8   | 72.3   | 74.5   | 79.7   | 88.5   | 92.2   | 98.1   |
| 75°    | 54.6   | 55.3   | 56.1   | 56.8   | 59.0   | 59.7   | 62.0   | 64.9   | 68.6   | 73.0   | 76.7   |
| 77.5°  | 43.5   | 43.5   | 44.3   | 45.7   | 47.2   | 47.9   | 50.2   | 51.6   | 53.1   | 55.3   | 58.3   |
| 80°    | 32.5   | 33.2   | 33.2   | 34.7   | 34.7   | 35.4   | 36.1   | 38.4   | 39.8   | 41.3   | 42.8   |
| 82.5°  | 22.1   | 23.6   | 23.6   | 23.6   | 24.3   | 25.1   | 25.8   | 25.8   | 27.3   | 28.0   | 30.2   |
| 85°    | 13.3   | 14.0   | 14.0   | 14.0   | 13.3   | 14.8   | 14.8   | 15.5   | 15.5   | 15.5   | 16.2   |
| 87.5°  | 5.2    | 4.4    | 5.2    | 5.2    | 5.2    | 5.9    | 5.2    | 5.2    | 5.9    | 6.6    | 6.6    |
| 90°    | 25.7   | 24.6   | 23.4   | 22.3   | 21.1   | 19.2   | 17.3   | 15.4   | 13.5   | 12.6   | 11.3   |
| 92.5°  | 27.2   | 26.7   | 26.2   | 25.8   | 25.3   | 24.6   | 23.9   | 23.2   | 22.5   | 22.1   | 22.6   |
| 95°    | 45.7   | 44.6   | 43.4   | 42.3   | 41.1   | 39.5   | 37.8   | 36.2   | 34.5   | 33.7   | 37.6   |
| 97.5°  | 56.5   | 55.8   | 55.1   | 54.4   | 53.7   | 50.0   | 46.2   | 42.5   | 38.8   | 36.9   | 46.5   |
| 100°   | 67.6   | 65.7   | 63.8   | 61.9   | 60.0   | 56.0   | 52.0   | 48.1   | 44.1   | 42.1   | 58.1   |
| 102.5° | 72.4   | 69.8   | 67.3   | 64.7   | 62.1   | 104.7  | 147.3  | 189.9  | 232.5  | 253.8  | 254.0  |
| 105°   | 74.5   | 72.0   | 69.4   | 66.9   | 64.3   | 128.2  | 192.1  | 256.0  | 319.9  | 351.8  | 348.3  |
| 107.5° | 76.6   | 74.1   | 71.5   | 69.0   | 66.4   | 145.3  | 224.1  | 303.0  | 381.9  | 421.3  | 418.4  |
| 110°   | 90.7   | 114.1  | 137.5  | 160.9  | 184.3  | 251.9  | 319.6  | 387.2  | 454.9  | 488.7  | 486.2  |

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**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 131.5  | 232.4  | 333.3  | 434.2  | 535.1  | 539.1  | 543.1  | 547.0  | 551.0  | 553.0  | 550.9  |
| 115°   | 216.4  | 324.8  | 433.1  | 541.5  | 649.9  | 644.0  | 638.2  | 632.3  | 626.4  | 623.5  | 621.5  |
| 117.5° | 572.8  | 606.3  | 639.8  | 673.3  | 706.8  | 702.8  | 698.8  | 694.9  | 690.9  | 688.9  | 686.6  |
| 120°   | 783.3  | 780.5  | 777.7  | 774.9  | 772.1  | 767.9  | 763.7  | 759.4  | 755.2  | 753.1  | 751.3  |
| 122.5° | 839.8  | 838.4  | 837.0  | 835.6  | 834.2  | 829.5  | 824.8  | 820.1  | 815.4  | 813.1  | 811.2  |
| 125°   | 896.6  | 894.9  | 893.3  | 891.6  | 890.0  | 885.6  | 881.1  | 876.7  | 872.2  | 870.0  | 868.5  |
| 127.5° | 951.0  | 948.7  | 946.3  | 944.0  | 941.6  | 938.1  | 934.6  | 931.1  | 927.6  | 925.8  | 924.2  |
| 130°   | 1001.4 | 998.8  | 996.3  | 993.7  | 991.1  | 988.5  | 986.0  | 983.4  | 980.9  | 979.6  | 977.7  |
| 132.5° | 1049.0 | 1046.9 | 1044.8 | 1042.7 | 1040.6 | 1038.0 | 1035.5 | 1032.9 | 1030.4 | 1029.1 | 1027.6 |
| 135°   | 1095.3 | 1093.0 | 1090.6 | 1088.3 | 1085.9 | 1083.8 | 1081.7 | 1079.6 | 1077.5 | 1076.5 | 1074.6 |
| 137.5° | 1138.5 | 1136.2 | 1133.8 | 1131.5 | 1129.1 | 1126.8 | 1124.4 | 1122.1 | 1119.8 | 1118.6 | 1117.2 |
| 140°   | 1179.7 | 1177.6 | 1175.5 | 1173.4 | 1171.3 | 1168.7 | 1166.1 | 1163.6 | 1161.0 | 1159.7 | 1158.8 |
| 142.5° | 1217.8 | 1215.9 | 1214.0 | 1212.1 | 1210.2 | 1207.2 | 1204.1 | 1201.1 | 1198.0 | 1196.5 | 1195.7 |
| 145°   | 1252.6 | 1250.9 | 1249.3 | 1247.6 | 1246.0 | 1242.0 | 1238.0 | 1234.1 | 1230.1 | 1228.1 | 1228.2 |
| 147.5° | 1283.4 | 1282.2 | 1281.1 | 1279.9 | 1278.7 | 1274.7 | 1270.7 | 1266.8 | 1262.8 | 1260.8 | 1261.1 |
| 150°   | 1312.8 | 1311.4 | 1309.9 | 1308.5 | 1307.1 | 1303.4 | 1299.6 | 1295.9 | 1292.2 | 1290.3 | 1291.1 |
| 152.5° | 1339.1 | 1337.7 | 1336.3 | 1334.9 | 1333.5 | 1330.0 | 1326.5 | 1323.0 | 1319.5 | 1317.7 | 1318.6 |
| 155°   | 1362.3 | 1360.9 | 1359.4 | 1358.0 | 1356.6 | 1353.8 | 1351.0 | 1348.2 | 1345.4 | 1344.0 | 1345.1 |
| 157.5° | 1383.2 | 1381.5 | 1379.9 | 1378.2 | 1376.6 | 1374.5 | 1372.4 | 1370.3 | 1368.2 | 1367.2 | 1368.1 |
| 160°   | 1400.2 | 1398.8 | 1397.4 | 1396.0 | 1394.6 | 1393.2 | 1391.8 | 1390.3 | 1388.9 | 1388.2 | 1388.9 |
| 162.5° | 1416.9 | 1415.3 | 1413.6 | 1412.0 | 1410.4 | 1409.2 | 1408.0 | 1406.9 | 1405.7 | 1405.1 | 1405.8 |
| 165°   | 1429.6 | 1427.9 | 1426.3 | 1424.6 | 1423.0 | 1422.3 | 1421.6 | 1420.9 | 1420.2 | 1419.8 | 1420.5 |
| 167.5° | 1441.2 | 1439.5 | 1437.9 | 1436.2 | 1434.6 | 1433.9 | 1433.2 | 1432.5 | 1431.8 | 1431.4 | 1432.1 |
| 170°   | 1449.6 | 1447.9 | 1446.3 | 1444.6 | 1443.0 | 1442.5 | 1442.1 | 1441.6 | 1441.1 | 1440.9 | 1441.6 |
| 172.5° | 1455.9 | 1454.2 | 1452.6 | 1450.9 | 1449.3 | 1448.8 | 1448.4 | 1447.9 | 1447.4 | 1447.2 | 1447.9 |
| 175°   | 1460.1 | 1458.4 | 1456.8 | 1455.1 | 1453.5 | 1453.0 | 1452.6 | 1452.1 | 1451.6 | 1451.4 | 1452.2 |
| 177.5° | 1461.2 | 1459.5 | 1457.9 | 1456.2 | 1454.6 | 1454.4 | 1454.1 | 1453.9 | 1453.6 | 1453.5 | 1454.3 |
| 180°   | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 | 1455.6 |

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CATALOG NUMBER: S122RDIP-B485D1080UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1061.3 | 1061.3 | 1061.3 | 1061.3 |
| 2.5°   | 1042.1 | 1039.9 | 1053.2 | 1067.9 |
| 5°     | 1020.7 | 1024.4 | 1041.4 | 1062.0 |
| 7.5°   | 998.6  | 1006.7 | 1026.6 | 1053.9 |
| 10°    | 967.6  | 982.4  | 1012.6 | 1040.6 |
| 12.5°  | 937.4  | 957.3  | 986.0  | 1019.2 |
| 15°    | 903.4  | 925.6  | 961.0  | 1000.8 |
| 17.5°  | 865.8  | 890.9  | 932.2  | 975.7  |
| 20°    | 826.0  | 859.2  | 902.7  | 949.9  |
| 22.5°  | 781.8  | 821.6  | 866.6  | 918.9  |
| 25°    | 739.0  | 782.5  | 827.5  | 888.0  |
| 27.5°  | 696.9  | 739.7  | 789.9  | 851.1  |
| 30°    | 654.9  | 694.0  | 747.8  | 813.5  |
| 32.5°  | 609.9  | 650.5  | 707.3  | 774.4  |
| 35°    | 568.6  | 609.2  | 662.3  | 728.7  |
| 37.5°  | 524.4  | 567.9  | 618.8  | 687.4  |
| 40°    | 472.7  | 523.6  | 573.0  | 638.7  |
| 42.5°  | 430.0  | 483.8  | 531.7  | 593.7  |
| 45°    | 396.0  | 446.9  | 486.8  | 547.2  |
| 47.5°  | 364.3  | 405.6  | 446.2  | 502.2  |
| 50°    | 334.1  | 365.8  | 407.8  | 458.0  |
| 52.5°  | 303.1  | 330.4  | 366.5  | 413.7  |
| 55°    | 275.1  | 300.9  | 333.4  | 369.5  |
| 57.5°  | 249.3  | 267.7  | 300.2  | 332.6  |
| 60°    | 220.5  | 239.7  | 264.8  | 292.1  |
| 62.5°  | 196.2  | 210.9  | 234.5  | 257.4  |
| 65°    | 170.4  | 184.4  | 202.1  | 223.5  |
| 67.5°  | 146.8  | 159.3  | 173.3  | 190.3  |
| 70°    | 125.4  | 135.0  | 145.3  | 160.0  |
| 72.5°  | 102.5  | 112.8  | 122.4  | 134.2  |
| 75°    | 84.1   | 88.5   | 96.6   | 104.7  |
| 77.5°  | 64.9   | 70.8   | 75.2   | 81.9   |
| 80°    | 46.5   | 51.6   | 53.1   | 58.3   |
| 82.5°  | 31.0   | 33.9   | 36.9   | 38.4   |
| 85°    | 17.7   | 19.2   | 22.1   | 22.9   |
| 87.5°  | 6.6    | 7.4    | 8.9    | 10.3   |
| 90°    | 8.8    | 6.2    | 3.7    | 1.1    |
| 92.5°  | 23.5   | 24.4   | 25.4   | 26.3   |
| 95°    | 45.3   | 53.0   | 60.8   | 68.5   |
| 97.5°  | 65.7   | 84.8   | 104.0  | 123.2  |
| 100°   | 90.2   | 122.3  | 154.3  | 186.4  |
| 102.5° | 254.5  | 255.0  | 255.4  | 255.9  |
| 105°   | 341.3  | 334.2  | 327.2  | 320.2  |
| 107.5° | 412.5  | 406.7  | 400.8  | 395.0  |
| 110°   | 481.3  | 476.4  | 471.5  | 466.6  |

TEST NUMBER: P1008394

CATALOG NUMBER: S122RDIP-B485D1080UB2750-4F0-XX-W2A-A\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 112.5° | 546.7  | 542.4  | 538.2  | 534.0  |
| 115°   | 617.5  | 613.6  | 609.6  | 605.6  |
| 117.5° | 681.9  | 677.2  | 672.5  | 667.8  |
| 120°   | 747.8  | 744.3  | 740.8  | 737.3  |
| 122.5° | 807.5  | 803.8  | 800.0  | 796.3  |
| 125°   | 865.4  | 862.4  | 859.3  | 856.3  |
| 127.5° | 920.9  | 917.6  | 914.4  | 911.1  |
| 130°   | 974.0  | 970.2  | 966.5  | 962.7  |
| 132.5° | 1024.5 | 1021.5 | 1018.4 | 1015.4 |
| 135°   | 1070.9 | 1067.1 | 1063.4 | 1059.6 |
| 137.5° | 1114.4 | 1111.6 | 1108.8 | 1106.0 |
| 140°   | 1156.9 | 1155.0 | 1153.1 | 1151.2 |
| 142.5° | 1194.1 | 1192.4 | 1190.8 | 1189.2 |
| 145°   | 1228.5 | 1228.7 | 1229.0 | 1229.2 |
| 147.5° | 1261.8 | 1262.5 | 1263.2 | 1263.9 |
| 150°   | 1292.8 | 1294.4 | 1296.1 | 1297.7 |
| 152.5° | 1320.5 | 1322.4 | 1324.2 | 1326.1 |
| 155°   | 1347.2 | 1349.3 | 1351.4 | 1353.5 |
| 157.5° | 1370.0 | 1371.9 | 1373.7 | 1375.6 |
| 160°   | 1390.3 | 1391.8 | 1393.2 | 1394.6 |
| 162.5° | 1407.2 | 1408.6 | 1410.0 | 1411.4 |
| 165°   | 1421.9 | 1423.4 | 1424.8 | 1426.2 |
| 167.5° | 1433.5 | 1434.9 | 1436.3 | 1437.7 |
| 170°   | 1443.0 | 1444.4 | 1445.8 | 1447.2 |
| 172.5° | 1449.3 | 1450.7 | 1452.1 | 1453.5 |
| 175°   | 1453.9 | 1455.5 | 1457.2 | 1458.8 |
| 177.5° | 1456.0 | 1457.6 | 1459.3 | 1460.9 |
| 180°   | 1455.6 | 1455.6 | 1455.6 | 1455.6 |

(END OF REPORT)