

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: P1026966

Luminaire Tested: S125DIP-B610D850UB2750-4F0-XX-W2A-A\_3500K

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1026966  
REPORT IS A COMBINATION OF REPORTS P1002370 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S125DIP-B610D850UB2750-4F0-XX-W2A-A\_3500K  
Description: Define 5 Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}  
Light Source: -  
Ballast/Driver: -

**Summary**

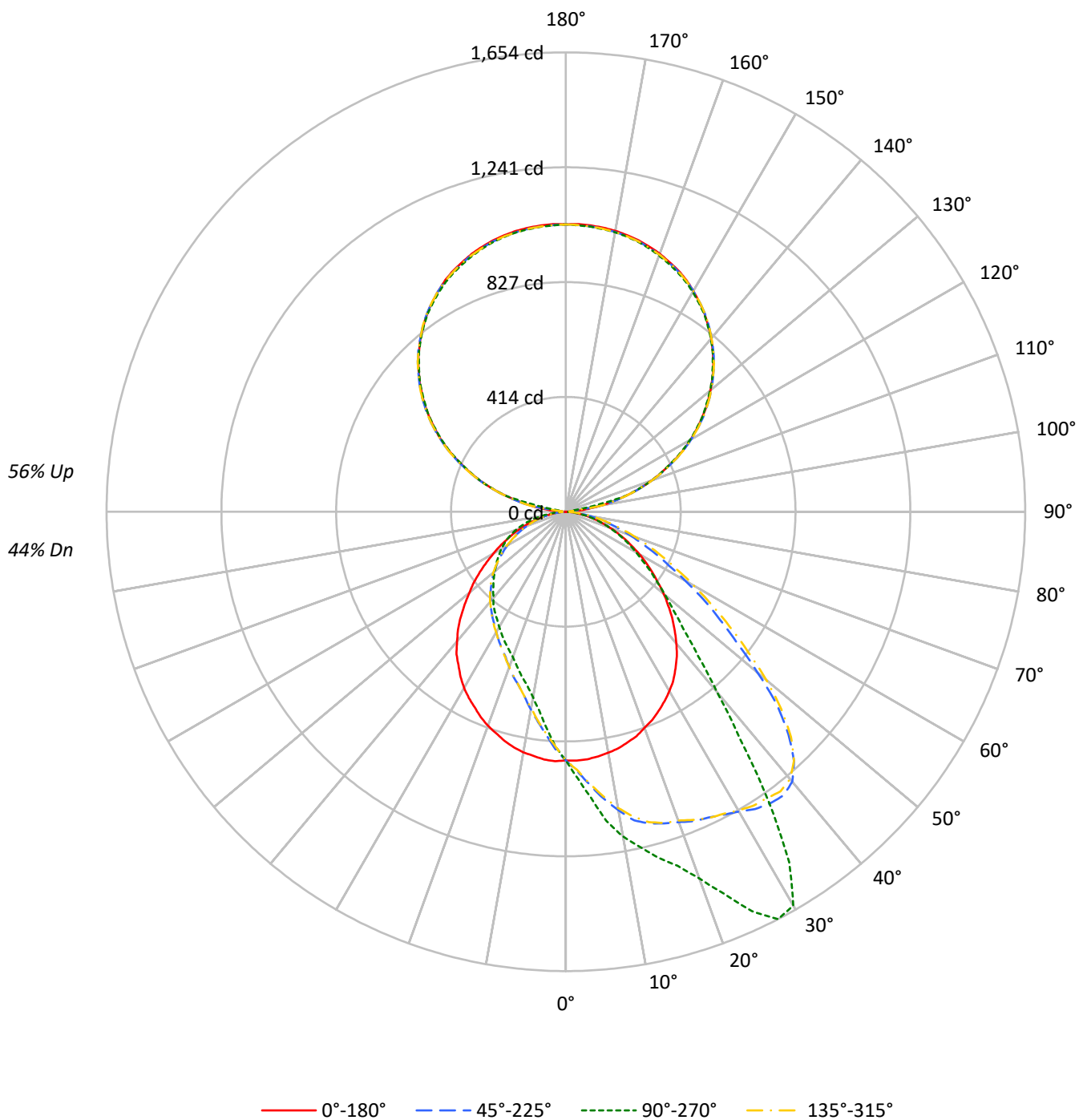
Lumens per Lamp: N/A  
Luminaire Lumens: 5706.0 lumens  
Efficiency: N/A  
Efficacy: 126.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52  
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 45.1  
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

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### Luminous Intensity Polar Plot



TEST NUMBER: P1026966

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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   | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 51 | 51 | 51 |
| 1   | 97  | 93  | 89  | 85  | 88 | 85 | 82 | 79 | 71 | 68 | 66 | 57 | 56 | 54 | 45 | 44 | 43 |
| 2   | 88  | 81  | 75  | 70  | 81 | 74 | 69 | 65 | 62 | 58 | 55 | 51 | 48 | 46 | 40 | 38 | 37 |
| 3   | 81  | 71  | 64  | 58  | 73 | 66 | 59 | 54 | 55 | 50 | 46 | 45 | 42 | 39 | 36 | 33 | 31 |
| 4   | 74  | 63  | 55  | 50  | 67 | 58 | 51 | 46 | 49 | 44 | 40 | 40 | 36 | 33 | 32 | 29 | 27 |
| 5   | 68  | 56  | 48  | 42  | 62 | 52 | 45 | 40 | 44 | 38 | 34 | 36 | 32 | 29 | 29 | 26 | 24 |
| 6   | 62  | 50  | 42  | 37  | 57 | 47 | 40 | 34 | 39 | 34 | 30 | 33 | 28 | 25 | 26 | 23 | 21 |
| 7   | 58  | 46  | 38  | 32  | 53 | 42 | 35 | 30 | 36 | 30 | 26 | 30 | 25 | 22 | 24 | 21 | 19 |
| 8   | 53  | 41  | 34  | 28  | 49 | 38 | 31 | 27 | 32 | 27 | 23 | 27 | 23 | 20 | 22 | 19 | 17 |
| 9   | 50  | 38  | 30  | 25  | 45 | 35 | 28 | 24 | 30 | 24 | 21 | 25 | 21 | 18 | 20 | 17 | 15 |
| 10  | 46  | 34  | 27  | 23  | 42 | 32 | 26 | 21 | 27 | 22 | 19 | 23 | 19 | 16 | 19 | 16 | 14 |

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

|     | 0°   | 90°   | 180° | 270° |
|-----|------|-------|------|------|
| 0°  | 5736 | 5736  | 5736 | 5736 |
| 5°  | 5740 | 6506  | 5745 | 4936 |
| 10° | 5705 | 7416  | 5695 | 4237 |
| 15° | 5663 | 8040  | 5628 | 3828 |
| 20° | 5591 | 8811  | 5540 | 3495 |
| 25° | 5528 | 10096 | 5427 | 3297 |
| 30° | 5437 | 10651 | 5342 | 3119 |
| 35° | 5293 | 8538  | 5181 | 2975 |
| 40° | 5068 | 5901  | 4992 | 2823 |
| 45° | 4782 | 4393  | 4729 | 2697 |
| 50° | 4457 | 3617  | 4384 | 2596 |
| 55° | 4106 | 3085  | 4074 | 2508 |
| 60° | 3761 | 2640  | 3696 | 2441 |
| 65° | 3390 | 2280  | 3335 | 2341 |
| 70° | 2997 | 1894  | 2957 | 2169 |
| 75° | 2581 | 1464  | 2547 | 1882 |
| 80° | 2039 | 991   | 1965 | 1383 |
| 85° | 1304 | 496   | 1258 | 705  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 8760 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 86.2   | 1.5       |
| 10°-20°   | 256.6  | 4.5       |
| 20°-30°   | 416.8  | 7.3       |
| 30°-40°   | 509.4  | 8.9       |
| 40°-50°   | 462.1  | 8.1       |
| 50°-60°   | 368.1  | 6.5       |
| 60°-70°   | 256.4  | 4.5       |
| 70°-80°   | 136.6  | 2.4       |
| 80°-90°   | 35.4   | 0.6       |
| 90°-100°  | 35.1   | 0.6       |
| 100°-110° | 233.5  | 4.1       |
| 110°-120° | 420.5  | 7.4       |
| 120°-130° | 539.8  | 9.5       |
| 130°-140° | 580.6  | 10.2      |
| 140°-150° | 544.9  | 9.5       |
| 150°-160° | 440.7  | 7.7       |
| 160°-170° | 285.0  | 5.0       |
| 170°-180° | 98.3   | 1.7       |
| 0°-30°    | 759.6  | 13.3      |
| 0°-40°    | 1269.1 | 22.2      |
| 0°-60°    | 2099.2 | 36.8      |
| 0°-90°    | 2527.5 | 44.3      |
| 90°-120°  | 689.2  | 12.1      |
| 90°-150°  | 2354.4 | 41.3      |
| 90°-180°  | 3178.0 | 55.7      |
| 0°-180°   | 5706.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 895  | 895  | 895  | 895  | 895  |      |
| 5°   | 894  | 1033 | 895  | 784  | 894  | 85   |
| 15°  | 859  | 1290 | 854  | 614  | 859  | 243  |
| 25°  | 791  | 1587 | 777  | 518  | 791  | 364  |
| 35°  | 688  | 1274 | 674  | 444  | 688  | 430  |
| 45°  | 541  | 600  | 535  | 368  | 541  | 417  |
| 55°  | 381  | 370  | 378  | 301  | 381  | 340  |
| 65°  | 236  | 227  | 232  | 233  | 236  | 234  |
| 75°  | 114  | 112  | 112  | 144  | 114  | 121  |
| 85°  | 23   | 25   | 22   | 36   | 23   | 27   |
| 90°  | 1    | 18   | 1    | 18   | 1    | 4    |
| 95°  | 44   | 16   | 44   | 16   | 44   | 54   |
| 105° | 226  | 228  | 226  | 228  | 226  | 239  |
| 115° | 423  | 420  | 423  | 420  | 423  | 420  |
| 125° | 602  | 602  | 602  | 602  | 602  | 538  |
| 135° | 751  | 748  | 751  | 748  | 751  | 579  |
| 145° | 871  | 868  | 871  | 868  | 871  | 544  |
| 155° | 959  | 952  | 959  | 952  | 959  | 442  |
| 165° | 1012 | 1006 | 1012 | 1006 | 1012 | 286  |
| 175° | 1035 | 1030 | 1035 | 1030 | 1035 | 99   |
| 180° | 1035 | 1035 | 1035 | 1035 | 1035 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 895.2 | 895.2 | 895.2 | 895.2 | 895.2  | 895.2  | 895.2  | 895.2  | 895.2  | 895.2  | 895.2  |
| 2.5°   | 896.7 | 902.0 | 908.1 | 912.6 | 920.2  | 922.5  | 926.3  | 928.6  | 930.9  | 933.2  | 934.7  |
| 5°     | 894.4 | 907.3 | 918.7 | 927.1 | 941.5  | 946.8  | 953.7  | 962.0  | 971.9  | 980.3  | 985.6  |
| 7.5°   | 888.3 | 908.8 | 924.0 | 940.7 | 960.5  | 973.4  | 980.3  | 997.7  | 1013.7 | 1025.9 | 1041.8 |
| 10°    | 880.7 | 905.0 | 928.6 | 953.7 | 981.8  | 996.2  | 1009.9 | 1034.2 | 1056.3 | 1076.0 | 1092.0 |
| 12.5°  | 872.4 | 902.0 | 930.1 | 962.8 | 1000.8 | 1018.3 | 1027.4 | 1069.2 | 1096.5 | 1107.2 | 1138.3 |
| 15°    | 859.4 | 894.4 | 934.7 | 974.9 | 1006.9 | 1027.4 | 1052.5 | 1085.9 | 1113.2 | 1136.8 | 1161.9 |
| 17.5°  | 847.3 | 885.3 | 926.3 | 971.1 | 1017.5 | 1044.1 | 1063.1 | 1092.7 | 1122.4 | 1152.8 | 1176.3 |
| 20°    | 827.5 | 876.9 | 918.7 | 966.6 | 1021.3 | 1040.3 | 1060.1 | 1095.0 | 1126.9 | 1159.6 | 1189.2 |
| 22.5°  | 811.6 | 858.7 | 915.7 | 961.3 | 1007.6 | 1026.6 | 1050.9 | 1087.4 | 1125.4 | 1162.6 | 1206.0 |
| 25°    | 791.1 | 843.5 | 892.9 | 941.5 | 989.4  | 1009.9 | 1031.9 | 1079.1 | 1118.6 | 1166.4 | 1214.3 |
| 27.5°  | 769.0 | 823.0 | 872.4 | 916.4 | 961.3  | 989.4  | 1012.9 | 1062.3 | 1114.8 | 1167.2 | 1229.5 |
| 30°    | 745.5 | 796.4 | 843.5 | 886.8 | 936.2  | 965.1  | 988.6  | 1046.4 | 1104.9 | 1171.8 | 1246.2 |
| 32.5°  | 720.4 | 768.3 | 808.5 | 852.6 | 905.0  | 931.6  | 963.5  | 1026.6 | 1095.8 | 1175.6 | 1269.0 |
| 35°    | 688.5 | 734.1 | 769.8 | 814.6 | 867.0  | 901.2  | 934.7  | 1005.3 | 1085.9 | 1174.8 | 1281.9 |
| 37.5°  | 656.5 | 692.3 | 726.5 | 774.3 | 835.1  | 866.3  | 901.2  | 978.7  | 1070.7 | 1172.5 | 1287.3 |
| 40°    | 618.6 | 653.5 | 683.1 | 731.8 | 795.6  | 831.3  | 867.8  | 949.1  | 1053.2 | 1164.2 | 1268.3 |
| 42.5°  | 580.6 | 610.2 | 642.9 | 693.8 | 755.3  | 793.3  | 832.1  | 922.5  | 1030.4 | 1139.8 | 1215.8 |
| 45°    | 541.0 | 563.8 | 599.6 | 645.9 | 711.3  | 747.7  | 791.8  | 889.8  | 998.5  | 1095.8 | 1133.8 |
| 47.5°  | 500.0 | 522.8 | 556.2 | 601.1 | 665.7  | 709.0  | 750.8  | 848.8  | 958.2  | 1033.5 | 1033.5 |
| 50°    | 460.5 | 478.7 | 511.4 | 556.2 | 621.6  | 661.1  | 703.7  | 807.8  | 895.9  | 951.4  | 902.0  |
| 52.5°  | 417.9 | 438.5 | 465.8 | 512.9 | 577.5  | 613.2  | 659.6  | 748.5  | 832.1  | 854.9  | 778.9  |
| 55°    | 380.7 | 397.4 | 423.3 | 468.1 | 528.1  | 565.4  | 604.9  | 690.0  | 760.7  | 759.1  | 677.8  |
| 57.5°  | 342.0 | 355.6 | 383.0 | 424.0 | 479.5  | 512.9  | 552.4  | 626.2  | 683.9  | 663.4  | 586.6  |
| 60°    | 306.2 | 316.1 | 342.7 | 376.1 | 429.3  | 460.5  | 498.5  | 558.5  | 602.6  | 573.7  | 496.2  |
| 62.5°  | 269.0 | 280.4 | 301.7 | 334.4 | 381.5  | 406.5  | 434.7  | 495.5  | 523.6  | 497.7  | 418.7  |
| 65°    | 235.6 | 244.7 | 263.7 | 291.0 | 333.6  | 356.4  | 380.7  | 430.9  | 457.5  | 420.2  | 354.9  |
| 67.5°  | 202.1 | 212.8 | 226.4 | 250.8 | 284.2  | 305.5  | 326.8  | 370.1  | 382.2  | 348.8  | 294.1  |
| 70°    | 171.0 | 180.1 | 193.0 | 210.5 | 238.6  | 257.6  | 273.6  | 309.3  | 317.6  | 286.5  | 243.2  |
| 72.5°  | 140.6 | 146.7 | 157.3 | 171.7 | 197.6  | 208.2  | 224.9  | 249.2  | 259.9  | 231.8  | 200.6  |
| 75°    | 114.0 | 118.5 | 125.4 | 136.0 | 153.5  | 164.9  | 178.6  | 201.4  | 200.6  | 180.9  | 158.8  |
| 77.5°  | 88.1  | 88.9  | 96.5  | 106.4 | 117.0  | 126.9  | 133.7  | 149.7  | 151.2  | 139.1  | 120.8  |
| 80°    | 63.1  | 65.4  | 68.4  | 76.0  | 85.1   | 88.9   | 97.3   | 107.1  | 108.7  | 99.5   | 87.4   |
| 82.5°  | 40.3  | 41.8  | 44.1  | 48.6  | 54.7   | 59.3   | 63.8   | 67.6   | 71.4   | 66.1   | 56.2   |
| 85°    | 22.8  | 23.6  | 25.8  | 27.4  | 30.4   | 32.7   | 36.5   | 40.3   | 39.5   | 35.7   | 32.7   |
| 87.5°  | 11.4  | 11.4  | 11.4  | 12.9  | 14.4   | 14.4   | 16.0   | 16.7   | 17.5   | 16.0   | 14.4   |
| 90°    | 0.8   | 2.2   | 3.5   | 4.9   | 6.2    | 6.9    | 7.5    | 8.7    | 9.9    | 11.1   | 12.3   |
| 92.5°  | 14.6  | 13.1  | 11.5  | 10.0  | 8.5    | 7.7    | 8.2    | 9.2    | 10.3   | 11.3   | 12.3   |
| 95°    | 43.7  | 43.2  | 42.7  | 42.2  | 41.7   | 41.4   | 38.2   | 31.7   | 25.2   | 18.8   | 12.3   |
| 97.5°  | 82.1  | 83.1  | 84.1  | 85.2  | 86.2   | 86.7   | 78.6   | 62.4   | 46.2   | 30.0   | 13.8   |
| 100°   | 128.1 | 128.6 | 129.1 | 129.6 | 130.1  | 130.4  | 130.7  | 131.4  | 132.1  | 132.8  | 133.5  |
| 102.5° | 174.9 | 175.6 | 176.3 | 177.0 | 177.7  | 178.0  | 178.2  | 178.5  | 178.8  | 179.2  | 179.5  |
| 105°   | 225.5 | 226.2 | 226.9 | 227.6 | 228.3  | 228.6  | 228.6  | 228.6  | 228.6  | 228.6  | 228.6  |
| 107.5° | 277.7 | 277.7 | 277.7 | 277.7 | 277.7  | 277.7  | 277.9  | 278.2  | 278.5  | 278.9  | 279.2  |
| 110°   | 328.3 | 328.3 | 328.3 | 328.3 | 328.3  | 328.3  | 328.5  | 328.8  | 329.1  | 329.5  | 329.8  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 375.8  | 376.3  | 376.8  | 377.3  | 377.8  | 378.1  | 378.2  | 378.4  | 378.5  | 378.7  | 378.9  |
| 115°   | 423.4  | 424.2  | 425.1  | 425.9  | 426.8  | 427.2  | 427.3  | 427.5  | 427.6  | 427.8  | 428.0  |
| 117.5° | 473.3  | 473.3  | 473.3  | 473.3  | 473.3  | 473.3  | 473.6  | 474.3  | 475.0  | 475.6  | 476.3  |
| 120°   | 519.3  | 519.1  | 518.9  | 518.8  | 518.6  | 518.5  | 518.8  | 519.3  | 519.8  | 520.3  | 520.8  |
| 122.5° | 559.9  | 560.8  | 561.6  | 562.5  | 563.4  | 563.8  | 563.9  | 564.0  | 564.2  | 564.3  | 564.5  |
| 125°   | 602.1  | 603.3  | 604.5  | 605.7  | 606.9  | 607.5  | 607.5  | 607.5  | 607.5  | 607.5  | 607.5  |
| 127.5° | 642.8  | 643.6  | 644.5  | 645.3  | 646.2  | 646.6  | 646.5  | 646.3  | 646.2  | 646.0  | 645.8  |
| 130°   | 679.6  | 680.4  | 681.3  | 682.1  | 683.0  | 683.4  | 683.5  | 683.7  | 683.8  | 684.0  | 684.2  |
| 132.5° | 716.4  | 717.4  | 718.4  | 719.5  | 720.5  | 721.0  | 720.7  | 720.2  | 719.7  | 719.2  | 718.7  |
| 135°   | 750.9  | 751.9  | 752.9  | 754.0  | 755.0  | 755.5  | 755.3  | 755.0  | 754.7  | 754.3  | 754.0  |
| 137.5° | 783.1  | 784.1  | 785.1  | 786.2  | 787.2  | 787.7  | 787.5  | 787.2  | 786.9  | 786.5  | 786.2  |
| 140°   | 814.6  | 814.9  | 815.3  | 815.6  | 815.9  | 816.1  | 816.0  | 815.9  | 815.7  | 815.6  | 815.4  |
| 142.5° | 843.0  | 843.2  | 843.3  | 843.5  | 843.6  | 843.7  | 843.9  | 844.2  | 844.6  | 844.9  | 845.3  |
| 145°   | 870.6  | 870.9  | 871.3  | 871.6  | 871.9  | 872.1  | 872.1  | 872.1  | 872.1  | 872.1  | 872.1  |
| 147.5° | 895.1  | 895.1  | 895.1  | 895.1  | 895.1  | 895.1  | 895.2  | 895.4  | 895.5  | 895.7  | 895.9  |
| 150°   | 918.1  | 917.8  | 917.4  | 917.1  | 916.8  | 916.6  | 916.8  | 917.1  | 917.4  | 917.8  | 918.1  |
| 152.5° | 940.4  | 939.5  | 938.7  | 937.8  | 936.9  | 936.5  | 936.7  | 937.0  | 937.4  | 937.7  | 938.1  |
| 155°   | 958.8  | 957.8  | 956.8  | 955.7  | 954.7  | 954.2  | 954.4  | 954.7  | 955.0  | 955.4  | 955.7  |
| 157.5° | 973.4  | 972.9  | 972.4  | 971.9  | 971.4  | 971.1  | 971.1  | 971.1  | 971.1  | 971.1  | 971.1  |
| 160°   | 988.7  | 987.7  | 986.7  | 985.6  | 984.6  | 984.1  | 984.2  | 984.4  | 984.5  | 984.7  | 984.9  |
| 162.5° | 1001.0 | 1000.0 | 999.0  | 997.9  | 996.9  | 996.4  | 996.5  | 996.6  | 996.8  | 996.9  | 997.1  |
| 165°   | 1011.7 | 1010.7 | 1009.7 | 1008.6 | 1007.6 | 1007.1 | 1007.2 | 1007.4 | 1007.5 | 1007.7 | 1007.9 |
| 167.5° | 1020.2 | 1019.2 | 1018.2 | 1017.1 | 1016.1 | 1015.6 | 1015.7 | 1015.8 | 1016.0 | 1016.1 | 1016.3 |
| 170°   | 1027.1 | 1025.9 | 1024.7 | 1023.5 | 1022.3 | 1021.7 | 1021.8 | 1022.0 | 1022.1 | 1022.3 | 1022.5 |
| 172.5° | 1031.7 | 1030.5 | 1029.3 | 1028.1 | 1026.9 | 1026.3 | 1026.5 | 1026.8 | 1027.1 | 1027.5 | 1027.8 |
| 175°   | 1034.7 | 1033.7 | 1032.7 | 1031.6 | 1030.6 | 1030.1 | 1030.2 | 1030.4 | 1030.5 | 1030.7 | 1030.9 |
| 177.5° | 1037.0 | 1036.0 | 1035.0 | 1033.9 | 1032.9 | 1032.4 | 1032.5 | 1032.7 | 1032.8 | 1033.0 | 1033.2 |
| 180°   | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 |

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CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 895.2  | 895.2  | 895.2  | 895.2  | 895.2  | 895.2  | 895.2  | 895.2  | 895.2  | 895.2  | 895.2  |
| 2.5°   | 936.2  | 941.5  | 946.1  | 949.9  | 952.9  | 957.5  | 954.4  | 955.2  | 956.7  | 959.7  | 959.7  |
| 5°     | 997.0  | 1005.3 | 1009.9 | 1025.1 | 1028.9 | 1028.1 | 1025.9 | 1038.0 | 1037.3 | 1032.7 | 1031.9 |
| 7.5°   | 1056.3 | 1070.7 | 1083.6 | 1095.8 | 1099.6 | 1109.4 | 1111.7 | 1117.0 | 1115.5 | 1123.1 | 1119.3 |
| 10°    | 1110.2 | 1133.0 | 1145.2 | 1163.4 | 1168.0 | 1172.5 | 1178.6 | 1181.6 | 1188.5 | 1187.7 | 1187.7 |
| 12.5°  | 1152.0 | 1179.4 | 1195.3 | 1199.9 | 1217.4 | 1222.7 | 1228.0 | 1237.9 | 1235.6 | 1236.3 | 1240.9 |
| 15°    | 1184.7 | 1211.3 | 1224.9 | 1246.2 | 1258.4 | 1264.5 | 1273.6 | 1284.2 | 1282.7 | 1289.5 | 1288.0 |
| 17.5°  | 1209.0 | 1234.1 | 1259.1 | 1291.1 | 1291.8 | 1307.8 | 1329.1 | 1333.6 | 1343.5 | 1336.7 | 1336.7 |
| 20°    | 1228.7 | 1262.2 | 1297.9 | 1338.9 | 1343.5 | 1353.4 | 1379.2 | 1396.7 | 1408.1 | 1404.3 | 1406.6 |
| 22.5°  | 1250.0 | 1297.9 | 1339.7 | 1380.7 | 1402.8 | 1420.2 | 1445.3 | 1472.7 | 1482.6 | 1488.6 | 1487.1 |
| 25°    | 1277.4 | 1327.5 | 1389.1 | 1446.1 | 1468.9 | 1502.3 | 1535.7 | 1562.3 | 1569.9 | 1586.7 | 1571.5 |
| 27.5°  | 1305.5 | 1376.2 | 1452.9 | 1519.8 | 1548.7 | 1576.0 | 1616.3 | 1636.1 | 1645.9 | 1653.5 | 1648.2 |
| 30°    | 1329.1 | 1426.3 | 1509.9 | 1571.5 | 1592.0 | 1607.9 | 1630.7 | 1635.3 | 1631.5 | 1637.6 | 1645.2 |
| 32.5°  | 1365.5 | 1460.5 | 1531.2 | 1560.8 | 1558.5 | 1557.8 | 1540.3 | 1516.0 | 1510.7 | 1496.2 | 1516.0 |
| 35°    | 1385.3 | 1461.3 | 1488.6 | 1449.1 | 1433.2 | 1404.3 | 1348.8 | 1312.3 | 1280.4 | 1273.6 | 1275.1 |
| 37.5°  | 1373.9 | 1403.5 | 1370.8 | 1266.7 | 1240.9 | 1196.8 | 1123.1 | 1071.5 | 1047.9 | 1029.7 | 1053.2 |
| 40°    | 1312.3 | 1279.7 | 1190.0 | 1063.1 | 1025.9 | 984.1  | 914.9  | 886.8  | 853.4  | 846.5  | 877.7  |
| 42.5°  | 1210.5 | 1111.0 | 984.1  | 886.0  | 847.3  | 823.7  | 766.0  | 739.4  | 715.8  | 705.2  | 722.7  |
| 45°    | 1072.2 | 951.4  | 823.7  | 743.2  | 710.5  | 682.4  | 648.2  | 620.1  | 604.9  | 600.3  | 614.8  |
| 47.5°  | 929.4  | 801.7  | 699.9  | 639.8  | 605.6  | 584.4  | 552.4  | 536.5  | 524.3  | 525.8  | 528.1  |
| 50°    | 792.6  | 676.3  | 598.0  | 538.0  | 521.3  | 504.6  | 483.3  | 469.6  | 463.5  | 465.8  | 464.3  |
| 52.5°  | 674.8  | 580.6  | 514.4  | 468.1  | 460.5  | 444.5  | 427.1  | 415.7  | 413.4  | 414.1  | 416.4  |
| 55°    | 571.4  | 497.7  | 445.3  | 411.9  | 403.5  | 392.1  | 381.5  | 373.9  | 367.8  | 370.1  | 369.3  |
| 57.5°  | 493.2  | 428.6  | 388.3  | 360.9  | 354.9  | 348.0  | 338.2  | 334.4  | 332.1  | 327.5  | 331.3  |
| 60°    | 424.0  | 371.6  | 336.6  | 319.9  | 314.6  | 310.0  | 299.4  | 294.8  | 293.3  | 291.0  | 297.1  |
| 62.5°  | 358.7  | 321.4  | 294.8  | 279.6  | 274.3  | 269.8  | 264.4  | 260.6  | 261.4  | 258.4  | 261.4  |
| 65°    | 307.0  | 276.6  | 257.6  | 243.9  | 237.1  | 234.0  | 233.3  | 227.2  | 226.4  | 227.2  | 228.0  |
| 67.5°  | 259.1  | 233.3  | 218.8  | 210.5  | 205.2  | 202.1  | 199.9  | 196.1  | 199.1  | 196.8  | 198.3  |
| 70°    | 215.8  | 198.3  | 183.1  | 174.8  | 172.5  | 173.3  | 169.5  | 167.9  | 168.7  | 167.2  | 168.7  |
| 72.5°  | 174.0  | 159.6  | 153.5  | 147.4  | 144.4  | 143.6  | 141.3  | 139.1  | 141.3  | 140.6  | 140.6  |
| 75°    | 139.1  | 128.4  | 121.6  | 117.8  | 117.8  | 116.3  | 112.5  | 112.5  | 112.5  | 111.7  | 112.5  |
| 77.5°  | 107.1  | 98.0   | 95.0   | 91.2   | 91.2   | 88.9   | 88.1   | 88.1   | 86.6   | 88.9   | 87.4   |
| 80°    | 79.8   | 72.9   | 68.4   | 66.1   | 66.1   | 65.4   | 63.8   | 63.1   | 63.8   | 63.1   | 63.1   |
| 82.5°  | 51.7   | 48.6   | 46.4   | 44.1   | 43.3   | 44.1   | 43.3   | 41.8   | 42.6   | 41.8   | 43.3   |
| 85°    | 29.6   | 26.6   | 26.6   | 25.1   | 25.8   | 24.3   | 25.1   | 23.6   | 22.8   | 25.1   | 23.6   |
| 87.5°  | 12.9   | 12.2   | 12.2   | 10.6   | 10.6   | 10.6   | 9.9    | 10.6   | 9.9    | 9.1    | 9.9    |
| 90°    | 13.1   | 14.0   | 14.8   | 15.7   | 16.1   | 16.4   | 16.9   | 17.4   | 17.9   | 18.4   | 17.9   |
| 92.5°  | 13.1   | 14.0   | 14.8   | 15.7   | 16.1   | 16.2   | 16.4   | 16.5   | 16.7   | 16.9   | 16.7   |
| 95°    | 13.1   | 14.0   | 14.8   | 15.7   | 16.1   | 16.1   | 16.1   | 16.1   | 16.1   | 16.1   | 16.1   |
| 97.5°  | 14.1   | 14.5   | 14.8   | 15.1   | 15.3   | 15.4   | 15.6   | 15.7   | 15.9   | 16.1   | 15.9   |
| 100°   | 108.1  | 82.7   | 57.3   | 31.9   | 19.2   | 18.9   | 18.2   | 17.5   | 16.8   | 16.1   | 16.8   |
| 102.5° | 179.8  | 180.2  | 180.5  | 180.8  | 181.0  | 173.8  | 159.5  | 145.2  | 130.9  | 116.6  | 130.9  |
| 105°   | 228.6  | 228.6  | 228.6  | 228.6  | 228.6  | 228.5  | 228.3  | 228.2  | 228.0  | 227.8  | 228.0  |
| 107.5° | 279.4  | 279.6  | 279.7  | 279.9  | 280.0  | 279.7  | 279.0  | 278.3  | 277.6  | 276.9  | 277.6  |
| 110°   | 329.3  | 328.8  | 328.3  | 327.8  | 327.5  | 327.6  | 327.8  | 327.9  | 328.1  | 328.3  | 328.1  |

TEST NUMBER: P1026966

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 378.2  | 377.5  | 376.8  | 376.1  | 375.8  | 375.6  | 375.3  | 375.0  | 374.6  | 374.3  | 374.6  |
| 115°   | 427.3  | 426.6  | 425.9  | 425.2  | 424.9  | 424.4  | 423.4  | 422.3  | 421.3  | 420.3  | 421.3  |
| 117.5° | 475.3  | 474.3  | 473.2  | 472.2  | 471.7  | 471.5  | 471.2  | 470.9  | 470.5  | 470.2  | 470.5  |
| 120°   | 520.5  | 520.1  | 519.8  | 519.5  | 519.3  | 518.9  | 518.0  | 517.1  | 516.3  | 515.4  | 516.3  |
| 122.5° | 564.2  | 563.8  | 563.5  | 563.2  | 563.0  | 562.5  | 561.5  | 560.4  | 559.4  | 558.4  | 559.4  |
| 125°   | 606.8  | 606.1  | 605.4  | 604.7  | 604.4  | 604.1  | 603.6  | 603.1  | 602.6  | 602.1  | 602.6  |
| 127.5° | 645.5  | 645.1  | 644.8  | 644.5  | 644.3  | 643.6  | 642.3  | 640.9  | 639.6  | 638.2  | 639.6  |
| 130°   | 683.7  | 683.2  | 682.7  | 682.2  | 681.9  | 681.5  | 680.6  | 679.8  | 678.9  | 678.1  | 678.9  |
| 132.5° | 718.7  | 718.7  | 718.7  | 718.7  | 718.7  | 718.3  | 717.4  | 716.6  | 715.7  | 714.9  | 715.7  |
| 135°   | 753.7  | 753.3  | 753.0  | 752.7  | 752.5  | 752.0  | 751.0  | 749.9  | 748.9  | 747.9  | 748.9  |
| 137.5° | 786.2  | 786.2  | 786.2  | 786.2  | 786.2  | 785.8  | 784.9  | 784.1  | 783.2  | 782.4  | 783.2  |
| 140°   | 815.7  | 816.1  | 816.4  | 816.7  | 816.9  | 816.4  | 815.4  | 814.3  | 813.3  | 812.3  | 813.3  |
| 142.5° | 845.3  | 845.3  | 845.3  | 845.3  | 845.3  | 844.8  | 843.8  | 842.7  | 841.7  | 840.7  | 841.7  |
| 145°   | 872.3  | 872.5  | 872.6  | 872.8  | 872.9  | 872.4  | 871.4  | 870.3  | 869.3  | 868.3  | 869.3  |
| 147.5° | 896.1  | 896.3  | 896.4  | 896.6  | 896.7  | 896.1  | 894.9  | 893.7  | 892.5  | 891.3  | 892.5  |
| 150°   | 918.5  | 918.8  | 919.2  | 919.5  | 919.7  | 919.0  | 917.6  | 916.3  | 914.9  | 913.5  | 914.9  |
| 152.5° | 938.4  | 938.8  | 939.1  | 939.4  | 939.6  | 939.0  | 937.8  | 936.6  | 935.4  | 934.2  | 935.4  |
| 155°   | 956.2  | 956.7  | 957.2  | 957.7  | 958.0  | 957.3  | 956.0  | 954.6  | 953.3  | 951.9  | 953.3  |
| 157.5° | 971.6  | 972.1  | 972.6  | 973.1  | 973.4  | 972.7  | 971.3  | 970.0  | 968.6  | 967.2  | 968.6  |
| 160°   | 985.6  | 986.2  | 986.9  | 987.6  | 987.9  | 987.2  | 985.9  | 984.5  | 983.2  | 981.8  | 983.2  |
| 162.5° | 998.1  | 999.1  | 1000.2 | 1001.2 | 1001.7 | 1000.9 | 999.4  | 997.9  | 996.3  | 994.8  | 996.3  |
| 165°   | 1008.9 | 1009.9 | 1011.0 | 1012.0 | 1012.5 | 1011.8 | 1010.4 | 1009.1 | 1007.7 | 1006.3 | 1007.7 |
| 167.5° | 1017.5 | 1018.7 | 1019.9 | 1021.1 | 1021.7 | 1020.9 | 1019.4 | 1017.9 | 1016.3 | 1014.8 | 1016.3 |
| 170°   | 1023.9 | 1025.2 | 1026.6 | 1027.9 | 1028.6 | 1027.8 | 1026.3 | 1024.8 | 1023.2 | 1021.7 | 1023.2 |
| 172.5° | 1029.0 | 1030.2 | 1031.4 | 1032.6 | 1033.2 | 1032.4 | 1030.9 | 1029.4 | 1027.8 | 1026.3 | 1027.8 |
| 175°   | 1032.3 | 1033.6 | 1035.0 | 1036.3 | 1037.0 | 1036.2 | 1034.7 | 1033.2 | 1031.6 | 1030.1 | 1031.6 |
| 177.5° | 1034.4 | 1035.6 | 1036.8 | 1038.0 | 1038.6 | 1037.9 | 1036.5 | 1035.2 | 1033.8 | 1032.4 | 1033.8 |
| 180°   | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 |

TEST NUMBER: P1026966

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 895.2  | 895.2  | 895.2  | 895.2  | 895.2  | 895.2  | 895.2  | 895.2  | 895.2  | 895.2  | 895.2  |
| 2.5°   | 958.2  | 952.9  | 954.4  | 952.9  | 949.1  | 946.8  | 940.7  | 933.2  | 930.1  | 926.3  | 924.0  |
| 5°     | 1035.0 | 1031.2 | 1030.4 | 1024.3 | 1022.8 | 1013.7 | 998.5  | 990.9  | 981.8  | 972.7  | 963.5  |
| 7.5°   | 1118.6 | 1114.0 | 1098.8 | 1096.5 | 1098.0 | 1086.6 | 1066.9 | 1051.7 | 1032.7 | 1019.8 | 1002.3 |
| 10°    | 1187.7 | 1178.6 | 1165.7 | 1166.4 | 1161.1 | 1145.9 | 1126.2 | 1110.2 | 1082.8 | 1066.1 | 1041.1 |
| 12.5°  | 1229.5 | 1221.9 | 1220.4 | 1212.8 | 1208.2 | 1188.5 | 1164.9 | 1144.4 | 1123.9 | 1101.1 | 1082.1 |
| 15°    | 1280.4 | 1270.5 | 1263.7 | 1253.1 | 1250.0 | 1229.5 | 1203.7 | 1180.1 | 1156.6 | 1135.3 | 1095.0 |
| 17.5°  | 1336.7 | 1326.0 | 1300.2 | 1297.9 | 1279.7 | 1259.9 | 1234.8 | 1199.9 | 1174.8 | 1144.4 | 1114.8 |
| 20°    | 1400.5 | 1385.3 | 1351.9 | 1343.5 | 1329.1 | 1296.4 | 1262.2 | 1223.4 | 1183.2 | 1152.0 | 1117.0 |
| 22.5°  | 1471.9 | 1445.3 | 1421.0 | 1394.4 | 1383.8 | 1343.5 | 1296.4 | 1249.3 | 1200.6 | 1158.1 | 1116.3 |
| 25°    | 1564.6 | 1529.7 | 1495.5 | 1468.9 | 1450.6 | 1398.2 | 1335.1 | 1272.8 | 1216.6 | 1161.1 | 1106.4 |
| 27.5°  | 1637.6 | 1607.2 | 1569.9 | 1535.0 | 1511.4 | 1449.1 | 1376.9 | 1296.4 | 1226.5 | 1158.8 | 1100.3 |
| 30°    | 1642.9 | 1633.8 | 1611.0 | 1592.0 | 1566.1 | 1499.3 | 1419.5 | 1328.3 | 1241.7 | 1159.6 | 1088.2 |
| 32.5°  | 1543.3 | 1561.6 | 1571.5 | 1574.5 | 1569.2 | 1530.4 | 1457.5 | 1357.2 | 1255.3 | 1152.8 | 1077.5 |
| 35°    | 1329.1 | 1377.7 | 1437.7 | 1460.5 | 1482.6 | 1503.1 | 1465.1 | 1377.7 | 1259.9 | 1151.2 | 1060.8 |
| 37.5°  | 1094.2 | 1138.3 | 1237.9 | 1283.5 | 1309.3 | 1390.6 | 1421.8 | 1374.6 | 1269.0 | 1152.8 | 1044.9 |
| 40°    | 883.0  | 952.9  | 1024.3 | 1085.9 | 1126.2 | 1217.4 | 1313.9 | 1324.5 | 1256.1 | 1138.3 | 1024.3 |
| 42.5°  | 743.2  | 784.2  | 838.2  | 895.2  | 930.9  | 1038.8 | 1169.5 | 1246.2 | 1215.8 | 1114.8 | 999.3  |
| 45°    | 633.0  | 663.4  | 714.3  | 733.3  | 778.9  | 882.2  | 1020.5 | 1131.5 | 1146.7 | 1077.5 | 970.4  |
| 47.5°  | 543.3  | 569.2  | 601.8  | 625.4  | 661.9  | 739.4  | 856.4  | 978.7  | 1051.7 | 1026.6 | 930.1  |
| 50°    | 478.7  | 500.0  | 527.4  | 541.0  | 564.6  | 634.5  | 722.7  | 844.2  | 942.3  | 950.6  | 877.7  |
| 52.5°  | 424.8  | 436.9  | 458.2  | 473.4  | 492.4  | 535.0  | 614.8  | 715.1  | 825.2  | 870.8  | 813.1  |
| 55°    | 377.7  | 387.5  | 406.5  | 416.4  | 426.3  | 462.8  | 525.1  | 616.3  | 719.6  | 779.7  | 747.0  |
| 57.5°  | 335.1  | 343.5  | 359.4  | 368.5  | 373.9  | 408.8  | 456.7  | 528.1  | 620.8  | 693.8  | 675.5  |
| 60°    | 300.2  | 307.8  | 316.9  | 323.7  | 329.8  | 358.7  | 392.1  | 449.9  | 532.7  | 603.4  | 598.8  |
| 62.5°  | 262.9  | 269.8  | 279.6  | 286.5  | 291.8  | 310.0  | 338.2  | 382.2  | 452.9  | 518.2  | 531.2  |
| 65°    | 230.2  | 235.6  | 242.4  | 245.4  | 252.3  | 266.0  | 288.8  | 328.3  | 386.0  | 444.5  | 453.7  |
| 67.5°  | 200.6  | 202.1  | 206.7  | 213.5  | 215.1  | 227.2  | 247.7  | 277.4  | 322.2  | 370.1  | 384.5  |
| 70°    | 168.7  | 171.0  | 174.8  | 180.1  | 183.1  | 190.7  | 208.2  | 228.0  | 266.7  | 308.5  | 319.2  |
| 72.5°  | 140.6  | 143.6  | 145.1  | 148.2  | 149.7  | 161.9  | 169.5  | 189.2  | 215.8  | 250.8  | 262.2  |
| 75°    | 114.0  | 117.0  | 117.8  | 119.3  | 120.8  | 126.1  | 136.8  | 148.9  | 171.0  | 193.8  | 209.0  |
| 77.5°  | 90.4   | 89.7   | 91.2   | 93.5   | 92.7   | 97.3   | 104.1  | 114.7  | 129.2  | 148.2  | 158.1  |
| 80°    | 63.8   | 63.8   | 66.1   | 68.4   | 67.6   | 72.2   | 74.5   | 82.1   | 94.2   | 106.4  | 110.2  |
| 82.5°  | 42.6   | 42.6   | 44.8   | 44.8   | 46.4   | 47.1   | 50.2   | 54.0   | 63.8   | 69.9   | 72.2   |
| 85°    | 24.3   | 24.3   | 25.1   | 25.1   | 25.1   | 26.6   | 28.9   | 30.4   | 33.4   | 37.2   | 38.8   |
| 87.5°  | 9.9    | 10.6   | 10.6   | 10.6   | 10.6   | 12.2   | 12.2   | 13.7   | 14.4   | 16.0   | 16.0   |
| 90°    | 17.4   | 16.9   | 16.4   | 16.1   | 15.7   | 14.8   | 14.0   | 13.1   | 12.3   | 11.1   | 9.9    |
| 92.5°  | 16.5   | 16.4   | 16.2   | 16.1   | 15.7   | 14.8   | 14.0   | 13.1   | 12.3   | 11.3   | 10.3   |
| 95°    | 16.1   | 16.1   | 16.1   | 16.1   | 15.7   | 14.8   | 14.0   | 13.1   | 12.3   | 18.8   | 25.2   |
| 97.5°  | 15.7   | 15.6   | 15.4   | 15.3   | 15.1   | 14.8   | 14.5   | 14.1   | 13.8   | 30.0   | 46.2   |
| 100°   | 17.5   | 18.2   | 18.9   | 19.2   | 31.9   | 57.3   | 82.7   | 108.1  | 133.5  | 132.8  | 132.1  |
| 102.5° | 145.2  | 159.5  | 173.8  | 181.0  | 180.8  | 180.5  | 180.2  | 179.8  | 179.5  | 179.2  | 178.8  |
| 105°   | 228.2  | 228.3  | 228.5  | 228.6  | 228.6  | 228.6  | 228.6  | 228.6  | 228.6  | 228.6  | 228.6  |
| 107.5° | 278.3  | 279.0  | 279.7  | 280.0  | 279.9  | 279.7  | 279.6  | 279.4  | 279.2  | 278.9  | 278.5  |
| 110°   | 327.9  | 327.8  | 327.6  | 327.5  | 327.8  | 328.3  | 328.8  | 329.3  | 329.8  | 329.5  | 329.1  |

TEST NUMBER: P1026966

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 375.0  | 375.3  | 375.6  | 375.8  | 376.1  | 376.8  | 377.5  | 378.2  | 378.9  | 378.7  | 378.5  |
| 115°   | 422.3  | 423.4  | 424.4  | 424.9  | 425.2  | 425.9  | 426.6  | 427.3  | 428.0  | 427.8  | 427.6  |
| 117.5° | 470.9  | 471.2  | 471.5  | 471.7  | 472.2  | 473.2  | 474.3  | 475.3  | 476.3  | 475.6  | 475.0  |
| 120°   | 517.1  | 518.0  | 518.9  | 519.3  | 519.5  | 519.8  | 520.1  | 520.5  | 520.8  | 520.3  | 519.8  |
| 122.5° | 560.4  | 561.5  | 562.5  | 563.0  | 563.2  | 563.5  | 563.8  | 564.2  | 564.5  | 564.3  | 564.2  |
| 125°   | 603.1  | 603.6  | 604.1  | 604.4  | 604.7  | 605.4  | 606.1  | 606.8  | 607.5  | 607.5  | 607.5  |
| 127.5° | 640.9  | 642.3  | 643.6  | 644.3  | 644.5  | 644.8  | 645.1  | 645.5  | 645.8  | 646.0  | 646.2  |
| 130°   | 679.8  | 680.6  | 681.5  | 681.9  | 682.2  | 682.7  | 683.2  | 683.7  | 684.2  | 684.0  | 683.8  |
| 132.5° | 716.6  | 717.4  | 718.3  | 718.7  | 718.7  | 718.7  | 718.7  | 718.7  | 718.7  | 719.2  | 719.7  |
| 135°   | 749.9  | 751.0  | 752.0  | 752.5  | 752.7  | 753.0  | 753.3  | 753.7  | 754.0  | 754.3  | 754.7  |
| 137.5° | 784.1  | 784.9  | 785.8  | 786.2  | 786.2  | 786.2  | 786.2  | 786.2  | 786.2  | 786.5  | 786.9  |
| 140°   | 814.3  | 815.4  | 816.4  | 816.9  | 816.7  | 816.4  | 816.1  | 815.7  | 815.4  | 815.6  | 815.7  |
| 142.5° | 842.7  | 843.8  | 844.8  | 845.3  | 845.3  | 845.3  | 845.3  | 845.3  | 845.3  | 844.9  | 844.6  |
| 145°   | 870.3  | 871.4  | 872.4  | 872.9  | 872.8  | 872.6  | 872.5  | 872.3  | 872.1  | 872.1  | 872.1  |
| 147.5° | 893.7  | 894.9  | 896.1  | 896.7  | 896.6  | 896.4  | 896.3  | 896.1  | 895.9  | 895.7  | 895.5  |
| 150°   | 916.3  | 917.6  | 919.0  | 919.7  | 919.5  | 919.2  | 918.8  | 918.5  | 918.1  | 917.8  | 917.4  |
| 152.5° | 936.6  | 937.8  | 939.0  | 939.6  | 939.4  | 939.1  | 938.8  | 938.4  | 938.1  | 937.7  | 937.4  |
| 155°   | 954.6  | 956.0  | 957.3  | 958.0  | 957.7  | 957.2  | 956.7  | 956.2  | 955.7  | 955.4  | 955.0  |
| 157.5° | 970.0  | 971.3  | 972.7  | 973.4  | 973.1  | 972.6  | 972.1  | 971.6  | 971.1  | 971.1  | 971.1  |
| 160°   | 984.5  | 985.9  | 987.2  | 987.9  | 987.6  | 986.9  | 986.2  | 985.6  | 984.9  | 984.7  | 984.5  |
| 162.5° | 997.9  | 999.4  | 1000.9 | 1001.7 | 1001.2 | 1000.2 | 999.1  | 998.1  | 997.1  | 996.9  | 996.8  |
| 165°   | 1009.1 | 1010.4 | 1011.8 | 1012.5 | 1012.0 | 1011.0 | 1009.9 | 1008.9 | 1007.9 | 1007.7 | 1007.5 |
| 167.5° | 1017.9 | 1019.4 | 1020.9 | 1021.7 | 1021.1 | 1019.9 | 1018.7 | 1017.5 | 1016.3 | 1016.1 | 1016.0 |
| 170°   | 1024.8 | 1026.3 | 1027.8 | 1028.6 | 1027.9 | 1026.6 | 1025.2 | 1023.9 | 1022.5 | 1022.3 | 1022.1 |
| 172.5° | 1029.4 | 1030.9 | 1032.4 | 1033.2 | 1032.6 | 1031.4 | 1030.2 | 1029.0 | 1027.8 | 1027.5 | 1027.1 |
| 175°   | 1033.2 | 1034.7 | 1036.2 | 1037.0 | 1036.3 | 1035.0 | 1033.6 | 1032.3 | 1030.9 | 1030.7 | 1030.5 |
| 177.5° | 1035.2 | 1036.5 | 1037.9 | 1038.6 | 1038.0 | 1036.8 | 1035.6 | 1034.4 | 1033.2 | 1033.0 | 1032.8 |
| 180°   | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 |

TEST NUMBER: P1026966

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 895.2  | 895.2  | 895.2  | 895.2  | 895.2 | 895.2 | 895.2 | 895.2 | 895.2 | 895.2 | 895.2 |
| 2.5°   | 921.0  | 917.2  | 912.6  | 912.6  | 907.3 | 905.0 | 900.5 | 899.0 | 895.2 | 889.1 | 884.5 |
| 5°     | 953.7  | 943.8  | 937.7  | 932.4  | 921.0 | 912.6 | 904.3 | 895.2 | 886.0 | 875.4 | 863.2 |
| 7.5°   | 985.6  | 967.3  | 959.0  | 949.9  | 933.2 | 915.7 | 899.0 | 886.8 | 874.6 | 857.9 | 842.7 |
| 10°    | 1019.0 | 996.2  | 981.0  | 968.9  | 943.0 | 921.0 | 896.7 | 879.2 | 860.2 | 838.9 | 819.2 |
| 12.5°  | 1047.1 | 1017.5 | 1004.6 | 981.8  | 952.1 | 925.6 | 895.2 | 868.6 | 843.5 | 818.4 | 794.1 |
| 15°    | 1070.7 | 1042.6 | 1010.7 | 1001.5 | 960.5 | 922.5 | 888.3 | 854.1 | 823.0 | 797.9 | 769.8 |
| 17.5°  | 1078.3 | 1042.6 | 1026.6 | 1004.6 | 955.9 | 916.4 | 873.1 | 835.9 | 806.2 | 769.0 | 747.0 |
| 20°    | 1080.6 | 1046.4 | 1024.3 | 1003.8 | 960.5 | 908.1 | 865.5 | 819.9 | 784.2 | 747.0 | 712.0 |
| 22.5°  | 1074.5 | 1034.2 | 1012.9 | 993.2  | 944.5 | 899.7 | 850.3 | 800.2 | 758.4 | 724.2 | 689.2 |
| 25°    | 1063.1 | 1016.0 | 995.5  | 974.2  | 927.8 | 878.4 | 824.5 | 776.6 | 737.9 | 696.8 | 662.6 |
| 27.5°  | 1047.9 | 993.9  | 970.4  | 948.3  | 902.8 | 856.4 | 805.5 | 756.1 | 712.8 | 669.5 | 637.6 |
| 30°    | 1028.9 | 966.6  | 945.3  | 916.4  | 872.4 | 828.3 | 781.9 | 732.5 | 683.9 | 642.9 | 607.9 |
| 32.5°  | 1004.6 | 939.2  | 911.1  | 883.8  | 835.9 | 795.6 | 751.5 | 705.2 | 658.1 | 617.8 | 581.3 |
| 35°    | 982.5  | 908.1  | 876.9  | 849.6  | 796.4 | 753.8 | 717.3 | 674.0 | 632.2 | 590.4 | 557.8 |
| 37.5°  | 952.9  | 876.9  | 839.7  | 811.6  | 757.6 | 714.3 | 680.1 | 646.7 | 602.6 | 562.3 | 531.9 |
| 40°    | 921.8  | 838.2  | 803.2  | 775.1  | 718.9 | 671.7 | 639.1 | 609.4 | 573.7 | 536.5 | 504.6 |
| 42.5°  | 893.6  | 800.9  | 763.7  | 729.5  | 672.5 | 630.7 | 597.3 | 574.5 | 541.8 | 508.4 | 479.5 |
| 45°    | 857.9  | 761.4  | 721.1  | 685.4  | 630.7 | 585.1 | 553.2 | 535.0 | 510.6 | 478.0 | 452.9 |
| 47.5°  | 821.4  | 718.9  | 677.1  | 642.1  | 582.8 | 542.6 | 511.4 | 493.9 | 477.2 | 451.4 | 426.3 |
| 50°    | 773.6  | 674.0  | 636.0  | 595.8  | 537.2 | 496.2 | 470.4 | 452.9 | 440.0 | 421.7 | 400.5 |
| 52.5°  | 721.1  | 627.7  | 586.6  | 551.7  | 493.9 | 456.7 | 427.1 | 417.2 | 404.3 | 390.6 | 372.3 |
| 55°    | 665.7  | 577.5  | 538.0  | 503.8  | 450.6 | 412.6 | 388.3 | 377.7 | 367.8 | 357.2 | 345.0 |
| 57.5°  | 610.2  | 525.1  | 487.9  | 457.5  | 408.1 | 371.6 | 351.8 | 337.4 | 330.6 | 324.5 | 314.6 |
| 60°    | 541.0  | 468.9  | 440.0  | 412.6  | 364.0 | 330.6 | 311.6 | 300.9 | 294.8 | 291.8 | 287.2 |
| 62.5°  | 480.3  | 421.0  | 389.1  | 362.5  | 323.7 | 294.1 | 275.8 | 267.5 | 262.2 | 260.6 | 255.3 |
| 65°    | 415.7  | 364.7  | 339.7  | 316.9  | 283.4 | 256.8 | 241.6 | 231.8 | 228.0 | 227.2 | 227.2 |
| 67.5°  | 354.9  | 313.8  | 288.8  | 272.8  | 243.9 | 220.4 | 205.9 | 202.1 | 199.9 | 196.8 | 196.1 |
| 70°    | 297.9  | 265.2  | 243.2  | 229.5  | 203.7 | 186.2 | 174.8 | 168.7 | 168.7 | 166.4 | 164.9 |
| 72.5°  | 247.7  | 215.1  | 200.6  | 189.2  | 167.9 | 152.7 | 144.4 | 142.9 | 137.5 | 136.8 | 136.8 |
| 75°    | 193.8  | 169.5  | 159.6  | 149.7  | 133.7 | 123.1 | 116.3 | 112.5 | 109.4 | 109.4 | 110.2 |
| 77.5°  | 145.9  | 129.2  | 120.1  | 112.5  | 101.1 | 94.2  | 88.9  | 87.4  | 84.3  | 84.3  | 84.3  |
| 80°    | 103.3  | 94.2   | 87.4   | 81.3   | 72.9  | 66.9  | 63.8  | 60.8  | 60.8  | 60.0  | 60.8  |
| 82.5°  | 66.9   | 59.3   | 55.5   | 54.7   | 47.1  | 44.8  | 41.0  | 41.8  | 39.5  | 38.8  | 40.3  |
| 85°    | 38.8   | 35.0   | 30.4   | 28.9   | 25.8  | 22.8  | 21.3  | 22.0  | 21.3  | 20.5  | 21.3  |
| 87.5°  | 15.2   | 12.9   | 12.2   | 12.2   | 9.9   | 9.1   | 8.4   | 9.1   | 7.6   | 7.6   | 8.4   |
| 90°    | 8.7    | 7.5    | 6.9    | 6.2    | 4.9   | 3.5   | 2.2   | 0.8   | 2.2   | 3.5   | 4.9   |
| 92.5°  | 9.2    | 8.2    | 7.7    | 8.5    | 10.0  | 11.5  | 13.1  | 14.6  | 13.1  | 11.5  | 10.0  |
| 95°    | 31.7   | 38.2   | 41.4   | 41.7   | 42.2  | 42.7  | 43.2  | 43.7  | 43.2  | 42.7  | 42.2  |
| 97.5°  | 62.4   | 78.6   | 86.7   | 86.2   | 85.2  | 84.1  | 83.1  | 82.1  | 83.1  | 84.1  | 85.2  |
| 100°   | 131.4  | 130.7  | 130.4  | 130.1  | 129.6 | 129.1 | 128.6 | 128.1 | 128.6 | 129.1 | 129.6 |
| 102.5° | 178.5  | 178.2  | 178.0  | 177.7  | 177.0 | 176.3 | 175.6 | 174.9 | 175.6 | 176.3 | 177.0 |
| 105°   | 228.6  | 228.6  | 228.6  | 228.3  | 227.6 | 226.9 | 226.2 | 225.5 | 226.2 | 226.9 | 227.6 |
| 107.5° | 278.2  | 277.9  | 277.7  | 277.7  | 277.7 | 277.7 | 277.7 | 277.7 | 277.7 | 277.7 | 277.7 |
| 110°   | 328.8  | 328.5  | 328.3  | 328.3  | 328.3 | 328.3 | 328.3 | 328.3 | 328.3 | 328.3 | 328.3 |

TEST NUMBER: P1026966

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 378.4  | 378.2  | 378.1  | 377.8  | 377.3  | 376.8  | 376.3  | 375.8  | 376.3  | 376.8  | 377.3  |
| 115°   | 427.5  | 427.3  | 427.2  | 426.8  | 425.9  | 425.1  | 424.2  | 423.4  | 424.2  | 425.1  | 425.9  |
| 117.5° | 474.3  | 473.6  | 473.3  | 473.3  | 473.3  | 473.3  | 473.3  | 473.3  | 473.3  | 473.3  | 473.3  |
| 120°   | 519.3  | 518.8  | 518.5  | 518.6  | 518.8  | 518.9  | 519.1  | 519.3  | 519.1  | 518.9  | 518.8  |
| 122.5° | 564.0  | 563.9  | 563.8  | 563.4  | 562.5  | 561.6  | 560.8  | 559.9  | 560.8  | 561.6  | 562.5  |
| 125°   | 607.5  | 607.5  | 607.5  | 606.9  | 605.7  | 604.5  | 603.3  | 602.1  | 603.3  | 604.5  | 605.7  |
| 127.5° | 646.3  | 646.5  | 646.6  | 646.2  | 645.3  | 644.5  | 643.6  | 642.8  | 643.6  | 644.5  | 645.3  |
| 130°   | 683.7  | 683.5  | 683.4  | 683.0  | 682.1  | 681.3  | 680.4  | 679.6  | 680.4  | 681.3  | 682.1  |
| 132.5° | 720.2  | 720.7  | 721.0  | 720.5  | 719.5  | 718.4  | 717.4  | 716.4  | 717.4  | 718.4  | 719.5  |
| 135°   | 755.0  | 755.3  | 755.5  | 755.0  | 754.0  | 752.9  | 751.9  | 750.9  | 751.9  | 752.9  | 754.0  |
| 137.5° | 787.2  | 787.5  | 787.7  | 787.2  | 786.2  | 785.1  | 784.1  | 783.1  | 784.1  | 785.1  | 786.2  |
| 140°   | 815.9  | 816.0  | 816.1  | 815.9  | 815.6  | 815.3  | 814.9  | 814.6  | 814.9  | 815.3  | 815.6  |
| 142.5° | 844.2  | 843.9  | 843.7  | 843.6  | 843.5  | 843.3  | 843.2  | 843.0  | 843.2  | 843.3  | 843.5  |
| 145°   | 872.1  | 872.1  | 872.1  | 871.9  | 871.6  | 871.3  | 870.9  | 870.6  | 870.9  | 871.3  | 871.6  |
| 147.5° | 895.4  | 895.2  | 895.1  | 895.1  | 895.1  | 895.1  | 895.1  | 895.1  | 895.1  | 895.1  | 895.1  |
| 150°   | 917.1  | 916.8  | 916.6  | 916.8  | 917.1  | 917.4  | 917.8  | 918.1  | 917.8  | 917.4  | 917.1  |
| 152.5° | 937.0  | 936.7  | 936.5  | 936.9  | 937.8  | 938.7  | 939.5  | 940.4  | 939.5  | 938.7  | 937.8  |
| 155°   | 954.7  | 954.4  | 954.2  | 954.7  | 955.7  | 956.8  | 957.8  | 958.8  | 957.8  | 956.8  | 955.7  |
| 157.5° | 971.1  | 971.1  | 971.1  | 971.4  | 971.9  | 972.4  | 972.9  | 973.4  | 972.9  | 972.4  | 971.9  |
| 160°   | 984.4  | 984.2  | 984.1  | 984.6  | 985.6  | 986.7  | 987.7  | 988.7  | 987.7  | 986.7  | 985.6  |
| 162.5° | 996.6  | 996.5  | 996.4  | 996.9  | 997.9  | 999.0  | 1000.0 | 1001.0 | 1000.0 | 999.0  | 997.9  |
| 165°   | 1007.4 | 1007.2 | 1007.1 | 1007.6 | 1008.6 | 1009.7 | 1010.7 | 1011.7 | 1010.7 | 1009.7 | 1008.6 |
| 167.5° | 1015.8 | 1015.7 | 1015.6 | 1016.1 | 1017.1 | 1018.2 | 1019.2 | 1020.2 | 1019.2 | 1018.2 | 1017.1 |
| 170°   | 1022.0 | 1021.8 | 1021.7 | 1022.3 | 1023.5 | 1024.7 | 1025.9 | 1027.1 | 1025.9 | 1024.7 | 1023.5 |
| 172.5° | 1026.8 | 1026.5 | 1026.3 | 1026.9 | 1028.1 | 1029.3 | 1030.5 | 1031.7 | 1030.5 | 1029.3 | 1028.1 |
| 175°   | 1030.4 | 1030.2 | 1030.1 | 1030.6 | 1031.6 | 1032.7 | 1033.7 | 1034.7 | 1033.7 | 1032.7 | 1031.6 |
| 177.5° | 1032.7 | 1032.5 | 1032.4 | 1032.9 | 1033.9 | 1035.0 | 1036.0 | 1037.0 | 1036.0 | 1035.0 | 1033.9 |
| 180°   | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 |

TEST NUMBER: P1026966

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 895.2 | 895.2  | 895.2 | 895.2 | 895.2 | 895.2 | 895.2 | 895.2 | 895.2 | 895.2 | 895.2 |
| 2.5°   | 883.0 | 881.5  | 877.7 | 875.4 | 867.8 | 858.7 | 855.6 | 848.0 | 851.1 | 845.8 | 845.8 |
| 5°     | 859.4 | 852.6  | 848.0 | 841.2 | 826.8 | 816.9 | 806.2 | 800.9 | 797.9 | 794.1 | 791.1 |
| 7.5°   | 829.0 | 823.7  | 819.2 | 806.2 | 790.3 | 776.6 | 763.7 | 758.4 | 748.5 | 741.7 | 738.6 |
| 10°    | 802.4 | 794.8  | 784.2 | 769.0 | 752.3 | 734.8 | 723.4 | 712.0 | 704.4 | 700.6 | 692.3 |
| 12.5°  | 775.1 | 766.0  | 754.6 | 732.5 | 714.3 | 703.7 | 683.1 | 672.5 | 668.7 | 665.7 | 655.8 |
| 15°    | 747.0 | 737.1  | 723.4 | 702.9 | 686.9 | 661.9 | 649.7 | 641.4 | 632.2 | 631.5 | 623.9 |
| 17.5°  | 721.9 | 709.7  | 698.3 | 673.3 | 653.5 | 631.5 | 624.6 | 615.5 | 607.2 | 598.0 | 594.2 |
| 20°    | 690.0 | 678.6  | 670.2 | 642.9 | 620.8 | 607.2 | 595.8 | 588.2 | 582.8 | 573.7 | 572.2 |
| 22.5°  | 661.1 | 648.9  | 637.6 | 617.0 | 598.0 | 580.6 | 566.9 | 558.5 | 556.2 | 552.4 | 545.6 |
| 25°    | 633.0 | 620.8  | 607.2 | 588.2 | 568.4 | 556.2 | 544.1 | 538.8 | 534.2 | 528.1 | 522.8 |
| 27.5°  | 609.4 | 598.0  | 585.1 | 561.6 | 544.8 | 535.7 | 522.8 | 516.7 | 510.6 | 507.6 | 505.3 |
| 30°    | 581.3 | 568.4  | 558.5 | 540.3 | 522.0 | 509.9 | 500.8 | 495.5 | 490.1 | 487.1 | 485.6 |
| 32.5°  | 554.0 | 541.8  | 535.0 | 515.2 | 500.8 | 486.3 | 479.5 | 475.7 | 472.7 | 469.6 | 466.6 |
| 35°    | 531.9 | 519.8  | 509.1 | 490.9 | 476.5 | 466.6 | 461.3 | 455.2 | 452.9 | 449.9 | 449.9 |
| 37.5°  | 504.6 | 495.5  | 484.8 | 467.3 | 454.4 | 446.8 | 442.3 | 434.7 | 433.9 | 432.4 | 430.1 |
| 40°    | 481.0 | 471.9  | 462.0 | 446.8 | 435.4 | 426.3 | 420.2 | 416.4 | 414.1 | 412.6 | 411.1 |
| 42.5°  | 455.9 | 446.1  | 441.5 | 424.0 | 414.1 | 405.0 | 402.0 | 398.2 | 397.4 | 394.4 | 390.6 |
| 45°    | 431.6 | 423.3  | 414.1 | 401.2 | 392.9 | 385.3 | 380.7 | 377.7 | 373.9 | 373.1 | 370.8 |
| 47.5°  | 410.3 | 400.5  | 392.1 | 379.9 | 370.8 | 364.7 | 360.9 | 357.2 | 354.1 | 351.8 | 349.6 |
| 50°    | 383.0 | 375.4  | 368.5 | 355.6 | 348.0 | 342.0 | 336.6 | 333.6 | 330.6 | 330.6 | 330.6 |
| 52.5°  | 356.4 | 349.6  | 343.5 | 334.4 | 325.2 | 319.9 | 313.8 | 311.6 | 310.0 | 307.8 | 310.0 |
| 55°    | 330.6 | 323.7  | 317.6 | 310.8 | 300.2 | 295.6 | 289.5 | 287.2 | 288.0 | 288.0 | 290.3 |
| 57.5°  | 303.2 | 297.9  | 294.1 | 285.7 | 275.8 | 271.3 | 267.5 | 265.2 | 265.2 | 268.2 | 269.0 |
| 60°    | 276.6 | 271.3  | 264.4 | 256.8 | 250.8 | 245.4 | 243.2 | 243.9 | 243.9 | 245.4 | 249.2 |
| 62.5°  | 247.0 | 243.9  | 240.1 | 229.5 | 225.7 | 221.9 | 218.8 | 221.1 | 220.4 | 224.2 | 229.5 |
| 65°    | 219.6 | 216.6  | 211.3 | 205.9 | 201.4 | 197.6 | 196.8 | 197.6 | 199.1 | 202.9 | 209.0 |
| 67.5°  | 189.2 | 189.2  | 184.7 | 180.1 | 176.3 | 172.5 | 173.3 | 174.0 | 175.5 | 180.1 | 189.2 |
| 70°    | 164.1 | 161.1  | 156.5 | 153.5 | 150.5 | 148.9 | 147.4 | 150.5 | 155.0 | 158.1 | 164.9 |
| 72.5°  | 136.8 | 134.5  | 130.7 | 127.7 | 126.9 | 125.4 | 124.6 | 126.1 | 130.7 | 136.0 | 143.6 |
| 75°    | 107.9 | 108.7  | 106.4 | 104.1 | 104.1 | 101.8 | 103.3 | 103.3 | 107.9 | 113.2 | 119.3 |
| 77.5°  | 83.6  | 82.8   | 82.1  | 80.5  | 79.8  | 79.8  | 79.8  | 81.3  | 85.9  | 88.9  | 95.0  |
| 80°    | 59.3  | 60.0   | 57.8  | 58.5  | 57.8  | 58.5  | 58.5  | 61.6  | 63.8  | 67.6  | 72.2  |
| 82.5°  | 39.5  | 39.5   | 38.0  | 38.8  | 38.8  | 38.8  | 39.5  | 41.0  | 44.1  | 47.1  | 50.2  |
| 85°    | 22.0  | 22.8   | 21.3  | 22.8  | 22.8  | 22.8  | 23.6  | 24.3  | 26.6  | 27.4  | 30.4  |
| 87.5°  | 8.4   | 9.9    | 9.9   | 8.4   | 9.1   | 9.9   | 10.6  | 9.9   | 11.4  | 12.9  | 13.7  |
| 90°    | 6.2   | 6.9    | 7.5   | 8.7   | 9.9   | 11.1  | 12.3  | 13.1  | 14.0  | 14.8  | 15.7  |
| 92.5°  | 8.5   | 7.7    | 8.2   | 9.2   | 10.3  | 11.3  | 12.3  | 13.1  | 14.0  | 14.8  | 15.7  |
| 95°    | 41.7  | 41.4   | 38.2  | 31.7  | 25.2  | 18.8  | 12.3  | 13.1  | 14.0  | 14.8  | 15.7  |
| 97.5°  | 86.2  | 86.7   | 78.6  | 62.4  | 46.2  | 30.0  | 13.8  | 14.1  | 14.5  | 14.8  | 15.1  |
| 100°   | 130.1 | 130.4  | 130.7 | 131.4 | 132.1 | 132.8 | 133.5 | 108.1 | 82.7  | 57.3  | 31.9  |
| 102.5° | 177.7 | 178.0  | 178.2 | 178.5 | 178.8 | 179.2 | 179.5 | 179.8 | 180.2 | 180.5 | 180.8 |
| 105°   | 228.3 | 228.6  | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 107.5° | 277.7 | 277.7  | 277.9 | 278.2 | 278.5 | 278.9 | 279.2 | 279.4 | 279.6 | 279.7 | 279.9 |
| 110°   | 328.3 | 328.3  | 328.5 | 328.8 | 329.1 | 329.5 | 329.8 | 329.3 | 328.8 | 328.3 | 327.8 |

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CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 377.8  | 378.1  | 378.2  | 378.4  | 378.5  | 378.7  | 378.9  | 378.2  | 377.5  | 376.8  | 376.1  |
| 115°   | 426.8  | 427.2  | 427.3  | 427.5  | 427.6  | 427.8  | 428.0  | 427.3  | 426.6  | 425.9  | 425.2  |
| 117.5° | 473.3  | 473.3  | 473.6  | 474.3  | 475.0  | 475.6  | 476.3  | 475.3  | 474.3  | 473.2  | 472.2  |
| 120°   | 518.6  | 518.5  | 518.8  | 519.3  | 519.8  | 520.3  | 520.8  | 520.5  | 520.1  | 519.8  | 519.5  |
| 122.5° | 563.4  | 563.8  | 563.9  | 564.0  | 564.2  | 564.3  | 564.5  | 564.2  | 563.8  | 563.5  | 563.2  |
| 125°   | 606.9  | 607.5  | 607.5  | 607.5  | 607.5  | 607.5  | 607.5  | 606.8  | 606.1  | 605.4  | 604.7  |
| 127.5° | 646.2  | 646.6  | 646.5  | 646.3  | 646.2  | 646.0  | 645.8  | 645.5  | 645.1  | 644.8  | 644.5  |
| 130°   | 683.0  | 683.4  | 683.5  | 683.7  | 683.8  | 684.0  | 684.2  | 683.7  | 683.2  | 682.7  | 682.2  |
| 132.5° | 720.5  | 721.0  | 720.7  | 720.2  | 719.7  | 719.2  | 718.7  | 718.7  | 718.7  | 718.7  | 718.7  |
| 135°   | 755.0  | 755.5  | 755.3  | 755.0  | 754.7  | 754.3  | 754.0  | 753.7  | 753.3  | 753.0  | 752.7  |
| 137.5° | 787.2  | 787.7  | 787.5  | 787.2  | 786.9  | 786.5  | 786.2  | 786.2  | 786.2  | 786.2  | 786.2  |
| 140°   | 815.9  | 816.1  | 816.0  | 815.9  | 815.7  | 815.6  | 815.4  | 815.7  | 816.1  | 816.4  | 816.7  |
| 142.5° | 843.6  | 843.7  | 843.9  | 844.2  | 844.6  | 844.9  | 845.3  | 845.3  | 845.3  | 845.3  | 845.3  |
| 145°   | 871.9  | 872.1  | 872.1  | 872.1  | 872.1  | 872.1  | 872.1  | 872.3  | 872.5  | 872.6  | 872.8  |
| 147.5° | 895.1  | 895.1  | 895.2  | 895.4  | 895.5  | 895.7  | 895.9  | 896.1  | 896.3  | 896.4  | 896.6  |
| 150°   | 916.8  | 916.6  | 916.8  | 917.1  | 917.4  | 917.8  | 918.1  | 918.5  | 918.8  | 919.2  | 919.5  |
| 152.5° | 936.9  | 936.5  | 936.7  | 937.0  | 937.4  | 937.7  | 938.1  | 938.4  | 938.8  | 939.1  | 939.4  |
| 155°   | 954.7  | 954.2  | 954.4  | 954.7  | 955.0  | 955.4  | 955.7  | 956.2  | 956.7  | 957.2  | 957.7  |
| 157.5° | 971.4  | 971.1  | 971.1  | 971.1  | 971.1  | 971.1  | 971.1  | 971.6  | 972.1  | 972.6  | 973.1  |
| 160°   | 984.6  | 984.1  | 984.2  | 984.4  | 984.5  | 984.7  | 984.9  | 985.6  | 986.2  | 986.9  | 987.6  |
| 162.5° | 996.9  | 996.4  | 996.5  | 996.6  | 996.8  | 996.9  | 997.1  | 998.1  | 999.1  | 1000.2 | 1001.2 |
| 165°   | 1007.6 | 1007.1 | 1007.2 | 1007.4 | 1007.5 | 1007.7 | 1007.9 | 1008.9 | 1009.9 | 1011.0 | 1012.0 |
| 167.5° | 1016.1 | 1015.6 | 1015.7 | 1015.8 | 1016.0 | 1016.1 | 1016.3 | 1017.5 | 1018.7 | 1019.9 | 1021.1 |
| 170°   | 1022.3 | 1021.7 | 1021.8 | 1022.0 | 1022.1 | 1022.3 | 1022.5 | 1023.9 | 1025.2 | 1026.6 | 1027.9 |
| 172.5° | 1026.9 | 1026.3 | 1026.5 | 1026.8 | 1027.1 | 1027.5 | 1027.8 | 1029.0 | 1030.2 | 1031.4 | 1032.6 |
| 175°   | 1030.6 | 1030.1 | 1030.2 | 1030.4 | 1030.5 | 1030.7 | 1030.9 | 1032.3 | 1033.6 | 1035.0 | 1036.3 |
| 177.5° | 1032.9 | 1032.4 | 1032.5 | 1032.7 | 1032.8 | 1033.0 | 1033.2 | 1034.4 | 1035.6 | 1036.8 | 1038.0 |
| 180°   | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 |

TEST NUMBER: P1026966

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0°     | 895.2  | 895.2 | 895.2 | 895.2 | 895.2 | 895.2 | 895.2 | 895.2 | 895.2 | 895.2 | 895.2  |
| 2.5°   | 848.8  | 843.5 | 842.7 | 844.2 | 841.2 | 845.8 | 844.2 | 845.8 | 842.0 | 845.8 | 843.5  |
| 5°     | 790.3  | 788.8 | 785.7 | 781.9 | 782.7 | 783.5 | 787.3 | 783.5 | 786.5 | 787.3 | 791.1  |
| 7.5°   | 735.6  | 732.5 | 734.8 | 733.3 | 726.5 | 724.9 | 726.5 | 728.7 | 733.3 | 736.3 | 738.6  |
| 10°    | 691.5  | 690.0 | 686.9 | 684.7 | 680.9 | 678.6 | 681.6 | 678.6 | 684.7 | 690.0 | 690.0  |
| 12.5°  | 658.1  | 652.0 | 648.2 | 647.4 | 639.1 | 640.6 | 643.6 | 645.9 | 652.7 | 655.8 | 655.8  |
| 15°    | 623.1  | 618.6 | 617.0 | 614.0 | 611.0 | 614.0 | 612.5 | 614.8 | 617.8 | 620.8 | 622.4  |
| 17.5°  | 592.7  | 592.0 | 592.7 | 585.1 | 587.4 | 583.6 | 584.4 | 588.2 | 585.9 | 588.2 | 592.7  |
| 20°    | 565.4  | 566.9 | 564.6 | 561.6 | 561.6 | 557.0 | 562.3 | 560.8 | 561.6 | 566.1 | 573.0  |
| 22.5°  | 544.8  | 544.1 | 541.8 | 539.5 | 536.5 | 537.2 | 538.0 | 536.5 | 542.6 | 546.4 | 547.1  |
| 25°    | 522.8  | 521.3 | 520.5 | 518.2 | 515.2 | 518.2 | 517.5 | 518.2 | 519.8 | 525.8 | 521.3  |
| 27.5°  | 502.3  | 499.3 | 500.8 | 498.5 | 497.7 | 498.5 | 498.5 | 499.3 | 500.8 | 501.5 | 502.3  |
| 30°    | 484.8  | 481.8 | 481.0 | 479.5 | 478.7 | 479.5 | 481.0 | 479.5 | 485.6 | 484.8 | 484.8  |
| 32.5°  | 465.8  | 463.5 | 462.0 | 462.0 | 461.3 | 460.5 | 461.3 | 462.0 | 466.6 | 463.5 | 466.6  |
| 35°    | 447.6  | 446.1 | 446.1 | 444.5 | 443.8 | 443.8 | 443.8 | 446.8 | 445.3 | 447.6 | 447.6  |
| 37.5°  | 430.1  | 430.1 | 429.3 | 427.8 | 427.1 | 427.8 | 427.1 | 428.6 | 427.8 | 428.6 | 429.3  |
| 40°    | 411.9  | 410.3 | 409.6 | 409.6 | 407.3 | 405.0 | 407.3 | 407.3 | 408.1 | 410.3 | 411.1  |
| 42.5°  | 389.8  | 390.6 | 390.6 | 387.5 | 387.5 | 387.5 | 388.3 | 389.1 | 389.1 | 390.6 | 390.6  |
| 45°    | 370.8  | 369.3 | 369.3 | 369.3 | 367.8 | 368.5 | 370.1 | 370.1 | 370.1 | 370.1 | 368.5  |
| 47.5°  | 349.6  | 349.6 | 350.3 | 350.3 | 352.6 | 351.8 | 351.8 | 351.1 | 349.6 | 349.6 | 350.3  |
| 50°    | 329.8  | 332.1 | 332.8 | 332.8 | 333.6 | 334.4 | 334.4 | 332.8 | 332.1 | 329.8 | 329.8  |
| 52.5°  | 310.8  | 312.3 | 313.8 | 316.1 | 317.6 | 316.9 | 316.9 | 315.4 | 312.3 | 311.6 | 310.8  |
| 55°    | 290.3  | 292.6 | 295.6 | 297.9 | 300.2 | 300.9 | 300.9 | 297.9 | 294.8 | 291.0 | 291.0  |
| 57.5°  | 271.3  | 273.6 | 278.9 | 281.2 | 284.2 | 284.2 | 282.7 | 280.4 | 275.8 | 272.8 | 270.5  |
| 60°    | 252.3  | 256.1 | 259.9 | 264.4 | 268.2 | 269.0 | 266.7 | 263.7 | 258.4 | 254.6 | 251.5  |
| 62.5°  | 231.8  | 235.6 | 243.2 | 247.7 | 250.8 | 250.8 | 250.8 | 247.0 | 240.1 | 234.8 | 230.2  |
| 65°    | 212.0  | 215.8 | 222.6 | 228.7 | 231.0 | 233.3 | 231.0 | 227.2 | 221.9 | 215.8 | 211.3  |
| 67.5°  | 191.5  | 196.1 | 202.9 | 207.5 | 210.5 | 212.8 | 211.3 | 208.2 | 201.4 | 193.0 | 190.0  |
| 70°    | 168.7  | 171.0 | 180.9 | 185.4 | 190.0 | 191.5 | 190.0 | 185.4 | 178.6 | 169.5 | 166.4  |
| 72.5°  | 147.4  | 149.7 | 158.8 | 162.6 | 166.4 | 167.9 | 165.7 | 162.6 | 156.5 | 148.2 | 144.4  |
| 75°    | 123.1  | 126.9 | 131.5 | 137.5 | 142.1 | 143.6 | 141.3 | 139.1 | 131.5 | 126.1 | 123.1  |
| 77.5°  | 97.3   | 101.1 | 107.1 | 112.5 | 117.0 | 116.3 | 113.2 | 114.0 | 105.6 | 99.5  | 97.3   |
| 80°    | 73.7   | 76.7  | 81.3  | 85.9  | 88.1  | 88.1  | 87.4  | 84.3  | 81.3  | 76.7  | 72.9   |
| 82.5°  | 50.9   | 54.7  | 58.5  | 61.6  | 61.6  | 62.3  | 60.8  | 60.0  | 57.0  | 53.2  | 52.4   |
| 85°    | 30.4   | 31.2  | 34.2  | 34.2  | 37.2  | 35.7  | 35.0  | 37.2  | 34.2  | 31.9  | 31.2   |
| 87.5°  | 13.7   | 12.9  | 13.7  | 13.7  | 12.9  | 14.4  | 14.4  | 13.7  | 14.4  | 13.7  | 13.7   |
| 90°    | 16.1   | 16.4  | 16.9  | 17.4  | 17.9  | 18.4  | 17.9  | 17.4  | 16.9  | 16.4  | 16.1   |
| 92.5°  | 16.1   | 16.2  | 16.4  | 16.5  | 16.7  | 16.9  | 16.7  | 16.5  | 16.4  | 16.2  | 16.1   |
| 95°    | 16.1   | 16.1  | 16.1  | 16.1  | 16.1  | 16.1  | 16.1  | 16.1  | 16.1  | 16.1  | 16.1   |
| 97.5°  | 15.3   | 15.4  | 15.6  | 15.7  | 15.9  | 16.1  | 15.9  | 15.7  | 15.6  | 15.4  | 15.3   |
| 100°   | 19.2   | 18.9  | 18.2  | 17.5  | 16.8  | 16.1  | 16.8  | 17.5  | 18.2  | 18.9  | 19.2   |
| 102.5° | 181.0  | 173.8 | 159.5 | 145.2 | 130.9 | 116.6 | 130.9 | 145.2 | 159.5 | 173.8 | 181.0  |
| 105°   | 228.6  | 228.5 | 228.3 | 228.2 | 228.0 | 227.8 | 228.0 | 228.2 | 228.3 | 228.5 | 228.6  |
| 107.5° | 280.0  | 279.7 | 279.0 | 278.3 | 277.6 | 276.9 | 277.6 | 278.3 | 279.0 | 279.7 | 280.0  |
| 110°   | 327.5  | 327.6 | 327.8 | 327.9 | 328.1 | 328.3 | 328.1 | 327.9 | 327.8 | 327.6 | 327.5  |



TEST NUMBER: P1026966

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 375.8  | 375.6  | 375.3  | 375.0  | 374.6  | 374.3  | 374.6  | 375.0  | 375.3  | 375.6  | 375.8  |
| 115°   | 424.9  | 424.4  | 423.4  | 422.3  | 421.3  | 420.3  | 421.3  | 422.3  | 423.4  | 424.4  | 424.9  |
| 117.5° | 471.7  | 471.5  | 471.2  | 470.9  | 470.5  | 470.2  | 470.5  | 470.9  | 471.2  | 471.5  | 471.7  |
| 120°   | 519.3  | 518.9  | 518.0  | 517.1  | 516.3  | 515.4  | 516.3  | 517.1  | 518.0  | 518.9  | 519.3  |
| 122.5° | 563.0  | 562.5  | 561.5  | 560.4  | 559.4  | 558.4  | 559.4  | 560.4  | 561.5  | 562.5  | 563.0  |
| 125°   | 604.4  | 604.1  | 603.6  | 603.1  | 602.6  | 602.1  | 602.6  | 603.1  | 603.6  | 604.1  | 604.4  |
| 127.5° | 644.3  | 643.6  | 642.3  | 640.9  | 639.6  | 638.2  | 639.6  | 640.9  | 642.3  | 643.6  | 644.3  |
| 130°   | 681.9  | 681.5  | 680.6  | 679.8  | 678.9  | 678.1  | 678.9  | 679.8  | 680.6  | 681.5  | 681.9  |
| 132.5° | 718.7  | 718.3  | 717.4  | 716.6  | 715.7  | 714.9  | 715.7  | 716.6  | 717.4  | 718.3  | 718.7  |
| 135°   | 752.5  | 752.0  | 751.0  | 749.9  | 748.9  | 747.9  | 748.9  | 749.9  | 751.0  | 752.0  | 752.5  |
| 137.5° | 786.2  | 785.8  | 784.9  | 784.1  | 783.2  | 782.4  | 783.2  | 784.1  | 784.9  | 785.8  | 786.2  |
| 140°   | 816.9  | 816.4  | 815.4  | 814.3  | 813.3  | 812.3  | 813.3  | 814.3  | 815.4  | 816.4  | 816.9  |
| 142.5° | 845.3  | 844.8  | 843.8  | 842.7  | 841.7  | 840.7  | 841.7  | 842.7  | 843.8  | 844.8  | 845.3  |
| 145°   | 872.9  | 872.4  | 871.4  | 870.3  | 869.3  | 868.3  | 869.3  | 870.3  | 871.4  | 872.4  | 872.9  |
| 147.5° | 896.7  | 896.1  | 894.9  | 893.7  | 892.5  | 891.3  | 892.5  | 893.7  | 894.9  | 896.1  | 896.7  |
| 150°   | 919.7  | 919.0  | 917.6  | 916.3  | 914.9  | 913.5  | 914.9  | 916.3  | 917.6  | 919.0  | 919.7  |
| 152.5° | 939.6  | 939.0  | 937.8  | 936.6  | 935.4  | 934.2  | 935.4  | 936.6  | 937.8  | 939.0  | 939.6  |
| 155°   | 958.0  | 957.3  | 956.0  | 954.6  | 953.3  | 951.9  | 953.3  | 954.6  | 956.0  | 957.3  | 958.0  |
| 157.5° | 973.4  | 972.7  | 971.3  | 970.0  | 968.6  | 967.2  | 968.6  | 970.0  | 971.3  | 972.7  | 973.4  |
| 160°   | 987.9  | 987.2  | 985.9  | 984.5  | 983.2  | 981.8  | 983.2  | 984.5  | 985.9  | 987.2  | 987.9  |
| 162.5° | 1001.7 | 1000.9 | 999.4  | 997.9  | 996.3  | 994.8  | 996.3  | 997.9  | 999.4  | 1000.9 | 1001.7 |
| 165°   | 1012.5 | 1011.8 | 1010.4 | 1009.1 | 1007.7 | 1006.3 | 1007.7 | 1009.1 | 1010.4 | 1011.8 | 1012.5 |
| 167.5° | 1021.7 | 1020.9 | 1019.4 | 1017.9 | 1016.3 | 1014.8 | 1016.3 | 1017.9 | 1019.4 | 1020.9 | 1021.7 |
| 170°   | 1028.6 | 1027.8 | 1026.3 | 1024.8 | 1023.2 | 1021.7 | 1023.2 | 1024.8 | 1026.3 | 1027.8 | 1028.6 |
| 172.5° | 1033.2 | 1032.4 | 1030.9 | 1029.4 | 1027.8 | 1026.3 | 1027.8 | 1029.4 | 1030.9 | 1032.4 | 1033.2 |
| 175°   | 1037.0 | 1036.2 | 1034.7 | 1033.2 | 1031.6 | 1030.1 | 1031.6 | 1033.2 | 1034.7 | 1036.2 | 1037.0 |
| 177.5° | 1038.6 | 1037.9 | 1036.5 | 1035.2 | 1033.8 | 1032.4 | 1033.8 | 1035.2 | 1036.5 | 1037.9 | 1038.6 |
| 180°   | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 |

TEST NUMBER: P1026966

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 0°     | 895.2 | 895.2 | 895.2 | 895.2 | 895.2 | 895.2 | 895.2 | 895.2 | 895.2 | 895.2  | 895.2 |
| 2.5°   | 850.3 | 845.8 | 851.1 | 844.2 | 845.8 | 854.1 | 853.4 | 861.0 | 865.5 | 864.8  | 868.6 |
| 5°     | 794.1 | 794.1 | 796.4 | 795.6 | 803.2 | 810.0 | 819.2 | 826.8 | 835.1 | 839.7  | 845.0 |
| 7.5°   | 738.6 | 746.2 | 747.7 | 751.5 | 760.7 | 772.1 | 781.2 | 792.6 | 804.7 | 813.1  | 819.2 |
| 10°    | 693.0 | 699.1 | 705.2 | 708.2 | 718.1 | 733.3 | 746.2 | 764.5 | 779.7 | 788.8  | 797.1 |
| 12.5°  | 652.7 | 659.6 | 662.6 | 676.3 | 683.1 | 693.0 | 711.3 | 731.0 | 747.7 | 757.6  | 764.5 |
| 15°    | 623.9 | 627.7 | 634.5 | 642.9 | 649.7 | 661.9 | 677.1 | 699.1 | 715.1 | 723.4  | 747.0 |
| 17.5°  | 599.6 | 604.1 | 607.9 | 611.7 | 622.4 | 635.3 | 649.7 | 668.7 | 689.2 | 703.7  | 715.8 |
| 20°    | 574.5 | 576.8 | 581.3 | 587.4 | 595.0 | 607.2 | 620.1 | 639.8 | 658.1 | 669.5  | 685.4 |
| 22.5°  | 544.8 | 551.7 | 556.2 | 560.8 | 569.2 | 582.8 | 595.0 | 609.4 | 632.2 | 645.2  | 661.9 |
| 25°    | 527.4 | 530.4 | 533.4 | 538.8 | 544.8 | 557.0 | 570.7 | 585.9 | 604.1 | 617.8  | 632.2 |
| 27.5°  | 504.6 | 509.1 | 512.9 | 519.8 | 523.6 | 533.4 | 546.4 | 561.6 | 583.6 | 595.0  | 607.2 |
| 30°    | 485.6 | 490.1 | 493.2 | 496.2 | 501.5 | 512.2 | 524.3 | 536.5 | 557.0 | 571.4  | 583.6 |
| 32.5°  | 466.6 | 471.1 | 474.9 | 477.2 | 482.5 | 489.4 | 499.3 | 514.4 | 531.9 | 541.8  | 557.8 |
| 35°    | 449.9 | 449.9 | 454.4 | 457.5 | 462.0 | 468.1 | 477.2 | 488.6 | 506.8 | 519.8  | 534.2 |
| 37.5°  | 430.9 | 431.6 | 435.4 | 437.7 | 442.3 | 448.3 | 457.5 | 468.1 | 483.3 | 493.2  | 507.6 |
| 40°    | 411.1 | 413.4 | 414.9 | 418.7 | 424.0 | 426.3 | 435.4 | 447.6 | 462.8 | 471.9  | 484.1 |
| 42.5°  | 391.3 | 392.9 | 396.7 | 399.7 | 404.3 | 408.1 | 414.1 | 425.5 | 436.9 | 450.6  | 460.5 |
| 45°    | 369.3 | 373.1 | 375.4 | 380.7 | 383.0 | 386.8 | 392.9 | 402.0 | 415.7 | 424.0  | 435.4 |
| 47.5°  | 350.3 | 351.8 | 353.4 | 360.2 | 364.7 | 367.0 | 373.1 | 378.4 | 392.9 | 400.5  | 411.1 |
| 50°    | 329.8 | 329.8 | 332.1 | 335.1 | 340.4 | 345.0 | 350.3 | 356.4 | 367.8 | 375.4  | 386.0 |
| 52.5°  | 310.8 | 308.5 | 310.0 | 311.6 | 316.9 | 321.4 | 326.8 | 335.1 | 345.8 | 350.3  | 359.4 |
| 55°    | 290.3 | 286.5 | 288.8 | 291.0 | 292.6 | 298.6 | 304.7 | 310.0 | 318.4 | 325.2  | 333.6 |
| 57.5°  | 268.2 | 267.5 | 266.0 | 266.7 | 270.5 | 274.3 | 278.9 | 285.7 | 295.6 | 300.9  | 305.5 |
| 60°    | 248.5 | 243.9 | 242.4 | 243.9 | 246.2 | 248.5 | 254.6 | 260.6 | 269.0 | 274.3  | 279.6 |
| 62.5°  | 228.0 | 223.4 | 220.4 | 218.1 | 220.4 | 225.7 | 229.5 | 234.0 | 240.9 | 247.0  | 251.5 |
| 65°    | 208.2 | 201.4 | 198.3 | 196.8 | 196.1 | 199.9 | 202.9 | 209.0 | 215.1 | 217.3  | 222.6 |
| 67.5°  | 186.2 | 180.1 | 176.3 | 174.0 | 174.0 | 174.0 | 177.1 | 183.1 | 189.2 | 190.0  | 195.3 |
| 70°    | 164.1 | 157.3 | 153.5 | 150.5 | 148.9 | 150.5 | 154.3 | 155.0 | 160.3 | 161.9  | 164.9 |
| 72.5°  | 140.6 | 134.5 | 129.9 | 126.1 | 126.9 | 128.4 | 128.4 | 129.9 | 133.0 | 136.8  | 136.8 |
| 75°    | 118.5 | 110.2 | 107.9 | 104.9 | 103.3 | 103.3 | 103.3 | 106.4 | 108.7 | 111.7  | 110.9 |
| 77.5°  | 93.5  | 88.9  | 84.3  | 82.8  | 80.5  | 79.8  | 81.3  | 81.3  | 82.8  | 85.1   | 85.9  |
| 80°    | 72.2  | 66.9  | 63.8  | 62.3  | 59.3  | 58.5  | 59.3  | 59.3  | 61.6  | 60.8   | 61.6  |
| 82.5°  | 50.2  | 46.4  | 44.1  | 41.8  | 40.3  | 41.0  | 40.3  | 40.3  | 41.0  | 40.3   | 40.3  |
| 85°    | 28.9  | 28.1  | 26.6  | 25.8  | 25.1  | 23.6  | 25.1  | 24.3  | 23.6  | 22.8   | 24.3  |
| 87.5°  | 13.7  | 12.9  | 12.9  | 11.4  | 11.4  | 10.6  | 11.4  | 11.4  | 10.6  | 10.6   | 10.6  |
| 90°    | 15.7  | 14.8  | 14.0  | 13.1  | 12.3  | 11.1  | 9.9   | 8.7   | 7.5   | 6.9    | 6.2   |
| 92.5°  | 15.7  | 14.8  | 14.0  | 13.1  | 12.3  | 11.3  | 10.3  | 9.2   | 8.2   | 7.7    | 8.5   |
| 95°    | 15.7  | 14.8  | 14.0  | 13.1  | 12.3  | 18.8  | 25.2  | 31.7  | 38.2  | 41.4   | 41.7  |
| 97.5°  | 15.1  | 14.8  | 14.5  | 14.1  | 13.8  | 30.0  | 46.2  | 62.4  | 78.6  | 86.7   | 86.2  |
| 100°   | 31.9  | 57.3  | 82.7  | 108.1 | 133.5 | 132.8 | 132.1 | 131.4 | 130.7 | 130.4  | 130.1 |
| 102.5° | 180.8 | 180.5 | 180.2 | 179.8 | 179.5 | 179.2 | 178.8 | 178.5 | 178.2 | 178.0  | 177.7 |
| 105°   | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6  | 228.3 |
| 107.5° | 279.9 | 279.7 | 279.6 | 279.4 | 279.2 | 278.9 | 278.5 | 278.2 | 277.9 | 277.7  | 277.7 |
| 110°   | 327.8 | 328.3 | 328.8 | 329.3 | 329.8 | 329.5 | 329.1 | 328.8 | 328.5 | 328.3  | 328.3 |

TEST NUMBER: P1026966

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 376.1  | 376.8  | 377.5  | 378.2  | 378.9  | 378.7  | 378.5  | 378.4  | 378.2  | 378.1  | 377.8  |
| 115°   | 425.2  | 425.9  | 426.6  | 427.3  | 428.0  | 427.8  | 427.6  | 427.5  | 427.3  | 427.2  | 426.8  |
| 117.5° | 472.2  | 473.2  | 474.3  | 475.3  | 476.3  | 475.6  | 475.0  | 474.3  | 473.6  | 473.3  | 473.3  |
| 120°   | 519.5  | 519.8  | 520.1  | 520.5  | 520.8  | 520.3  | 519.8  | 519.3  | 518.8  | 518.5  | 518.6  |
| 122.5° | 563.2  | 563.5  | 563.8  | 564.2  | 564.5  | 564.3  | 564.2  | 564.0  | 563.9  | 563.8  | 563.4  |
| 125°   | 604.7  | 605.4  | 606.1  | 606.8  | 607.5  | 607.5  | 607.5  | 607.5  | 607.5  | 607.5  | 606.9  |
| 127.5° | 644.5  | 644.8  | 645.1  | 645.5  | 645.8  | 646.0  | 646.2  | 646.3  | 646.5  | 646.6  | 646.2  |
| 130°   | 682.2  | 682.7  | 683.2  | 683.7  | 684.2  | 684.0  | 683.8  | 683.7  | 683.5  | 683.4  | 683.0  |
| 132.5° | 718.7  | 718.7  | 718.7  | 718.7  | 718.7  | 719.2  | 719.7  | 720.2  | 720.7  | 721.0  | 720.5  |
| 135°   | 752.7  | 753.0  | 753.3  | 753.7  | 754.0  | 754.3  | 754.7  | 755.0  | 755.3  | 755.5  | 755.0  |
| 137.5° | 786.2  | 786.2  | 786.2  | 786.2  | 786.2  | 786.5  | 786.9  | 787.2  | 787.5  | 787.7  | 787.2  |
| 140°   | 816.7  | 816.4  | 816.1  | 815.7  | 815.4  | 815.6  | 815.7  | 815.9  | 816.0  | 816.1  | 815.9  |
| 142.5° | 845.3  | 845.3  | 845.3  | 845.3  | 845.3  | 844.9  | 844.6  | 844.2  | 843.9  | 843.7  | 843.6  |
| 145°   | 872.8  | 872.6  | 872.5  | 872.3  | 872.1  | 872.1  | 872.1  | 872.1  | 872.1  | 872.1  | 871.9  |
| 147.5° | 896.6  | 896.4  | 896.3  | 896.1  | 895.9  | 895.7  | 895.5  | 895.4  | 895.2  | 895.1  | 895.1  |
| 150°   | 919.5  | 919.2  | 918.8  | 918.5  | 918.1  | 917.8  | 917.4  | 917.1  | 916.8  | 916.6  | 916.8  |
| 152.5° | 939.4  | 939.1  | 938.8  | 938.4  | 938.1  | 937.7  | 937.4  | 937.0  | 936.7  | 936.5  | 936.9  |
| 155°   | 957.7  | 957.2  | 956.7  | 956.2  | 955.7  | 955.4  | 955.0  | 954.7  | 954.4  | 954.2  | 954.7  |
| 157.5° | 973.1  | 972.6  | 972.1  | 971.6  | 971.1  | 971.1  | 971.1  | 971.1  | 971.1  | 971.1  | 971.4  |
| 160°   | 987.6  | 986.9  | 986.2  | 985.6  | 984.9  | 984.7  | 984.5  | 984.4  | 984.2  | 984.1  | 984.6  |
| 162.5° | 1001.2 | 1000.2 | 999.1  | 998.1  | 997.1  | 996.9  | 996.8  | 996.6  | 996.5  | 996.4  | 996.9  |
| 165°   | 1012.0 | 1011.0 | 1009.9 | 1008.9 | 1007.9 | 1007.7 | 1007.5 | 1007.4 | 1007.2 | 1007.1 | 1007.6 |
| 167.5° | 1021.1 | 1019.9 | 1018.7 | 1017.5 | 1016.3 | 1016.1 | 1016.0 | 1015.8 | 1015.7 | 1015.6 | 1016.1 |
| 170°   | 1027.9 | 1026.6 | 1025.2 | 1023.9 | 1022.5 | 1022.3 | 1022.1 | 1022.0 | 1021.8 | 1021.7 | 1022.3 |
| 172.5° | 1032.6 | 1031.4 | 1030.2 | 1029.0 | 1027.8 | 1027.5 | 1027.1 | 1026.8 | 1026.5 | 1026.3 | 1026.9 |
| 175°   | 1036.3 | 1035.0 | 1033.6 | 1032.3 | 1030.9 | 1030.7 | 1030.5 | 1030.4 | 1030.2 | 1030.1 | 1030.6 |
| 177.5° | 1038.0 | 1036.8 | 1035.6 | 1034.4 | 1033.2 | 1033.0 | 1032.8 | 1032.7 | 1032.5 | 1032.4 | 1032.9 |
| 180°   | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 | 1034.7 |

TEST NUMBER: P1026966

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 0°     | 895.2 | 895.2 | 895.2 | 895.2 |
| 2.5°   | 873.9 | 881.5 | 886.8 | 896.7 |
| 5°     | 854.1 | 867.8 | 880.7 | 894.4 |
| 7.5°   | 834.4 | 850.3 | 870.8 | 888.3 |
| 10°    | 812.3 | 832.8 | 857.2 | 880.7 |
| 12.5°  | 790.3 | 814.6 | 841.2 | 872.4 |
| 15°    | 763.7 | 794.8 | 826.0 | 859.4 |
| 17.5°  | 740.1 | 772.1 | 805.5 | 847.3 |
| 20°    | 713.5 | 748.5 | 785.0 | 827.5 |
| 22.5°  | 690.0 | 728.7 | 766.7 | 811.6 |
| 25°    | 663.4 | 701.4 | 743.2 | 791.1 |
| 27.5°  | 641.4 | 676.3 | 717.3 | 769.0 |
| 30°    | 614.8 | 652.7 | 693.8 | 745.5 |
| 32.5°  | 589.7 | 626.2 | 669.5 | 720.4 |
| 35°    | 563.8 | 601.1 | 639.8 | 688.5 |
| 37.5°  | 539.5 | 571.4 | 610.2 | 656.5 |
| 40°    | 512.2 | 547.1 | 582.1 | 618.6 |
| 42.5°  | 487.1 | 519.0 | 551.7 | 580.6 |
| 45°    | 459.0 | 486.3 | 517.5 | 541.0 |
| 47.5°  | 433.1 | 457.5 | 481.8 | 500.0 |
| 50°    | 407.3 | 426.3 | 444.5 | 460.5 |
| 52.5°  | 376.9 | 398.2 | 408.1 | 417.9 |
| 55°    | 349.6 | 361.7 | 370.8 | 380.7 |
| 57.5°  | 323.0 | 328.3 | 332.8 | 342.0 |
| 60°    | 288.0 | 294.1 | 299.4 | 306.2 |
| 62.5°  | 257.6 | 260.6 | 262.2 | 269.0 |
| 65°    | 228.7 | 228.0 | 231.8 | 235.6 |
| 67.5°  | 197.6 | 196.8 | 200.6 | 202.1 |
| 70°    | 167.2 | 166.4 | 167.2 | 171.0 |
| 72.5°  | 138.3 | 138.3 | 139.1 | 140.6 |
| 75°    | 111.7 | 111.7 | 112.5 | 114.0 |
| 77.5°  | 84.3  | 85.9  | 85.1  | 88.1  |
| 80°    | 61.6  | 60.0  | 61.6  | 63.1  |
| 82.5°  | 40.3  | 41.8  | 41.8  | 40.3  |
| 85°    | 22.8  | 22.8  | 22.8  | 22.8  |
| 87.5°  | 9.9   | 9.9   | 10.6  | 11.4  |
| 90°    | 4.9   | 3.5   | 2.2   | 0.8   |
| 92.5°  | 10.0  | 11.5  | 13.1  | 14.6  |
| 95°    | 42.2  | 42.7  | 43.2  | 43.7  |
| 97.5°  | 85.2  | 84.1  | 83.1  | 82.1  |
| 100°   | 129.6 | 129.1 | 128.6 | 128.1 |
| 102.5° | 177.0 | 176.3 | 175.6 | 174.9 |
| 105°   | 227.6 | 226.9 | 226.2 | 225.5 |
| 107.5° | 277.7 | 277.7 | 277.7 | 277.7 |
| 110°   | 328.3 | 328.3 | 328.3 | 328.3 |



TEST NUMBER: P1026966

CATALOG NUMBER: S125DIP-B610D850UB2750-4F0-XX-W2A-A\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 112.5° | 377.3  | 376.8  | 376.3  | 375.8  |
| 115°   | 425.9  | 425.1  | 424.2  | 423.4  |
| 117.5° | 473.3  | 473.3  | 473.3  | 473.3  |
| 120°   | 518.8  | 518.9  | 519.1  | 519.3  |
| 122.5° | 562.5  | 561.6  | 560.8  | 559.9  |
| 125°   | 605.7  | 604.5  | 603.3  | 602.1  |
| 127.5° | 645.3  | 644.5  | 643.6  | 642.8  |
| 130°   | 682.1  | 681.3  | 680.4  | 679.6  |
| 132.5° | 719.5  | 718.4  | 717.4  | 716.4  |
| 135°   | 754.0  | 752.9  | 751.9  | 750.9  |
| 137.5° | 786.2  | 785.1  | 784.1  | 783.1  |
| 140°   | 815.6  | 815.3  | 814.9  | 814.6  |
| 142.5° | 843.5  | 843.3  | 843.2  | 843.0  |
| 145°   | 871.6  | 871.3  | 870.9  | 870.6  |
| 147.5° | 895.1  | 895.1  | 895.1  | 895.1  |
| 150°   | 917.1  | 917.4  | 917.8  | 918.1  |
| 152.5° | 937.8  | 938.7  | 939.5  | 940.4  |
| 155°   | 955.7  | 956.8  | 957.8  | 958.8  |
| 157.5° | 971.9  | 972.4  | 972.9  | 973.4  |
| 160°   | 985.6  | 986.7  | 987.7  | 988.7  |
| 162.5° | 997.9  | 999.0  | 1000.0 | 1001.0 |
| 165°   | 1008.6 | 1009.7 | 1010.7 | 1011.7 |
| 167.5° | 1017.1 | 1018.2 | 1019.2 | 1020.2 |
| 170°   | 1023.5 | 1024.7 | 1025.9 | 1027.1 |
| 172.5° | 1028.1 | 1029.3 | 1030.5 | 1031.7 |
| 175°   | 1031.6 | 1032.7 | 1033.7 | 1034.7 |
| 177.5° | 1033.9 | 1035.0 | 1036.0 | 1037.0 |
| 180°   | 1034.7 | 1034.7 | 1034.7 | 1034.7 |

(END OF REPORT)