

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: P1029512

Luminaire Tested: S122DIW-B485D435UB2750-4F0-XX-W2A-A1\_5000K

Issue Date: 5/6/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1029512  
REPORT IS A COMBINATION OF REPORTS P986111 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S122DIW-B485D435UB2750-4F0-XX-W2A-A1\_5000K  
Description: Define 2 Direct/Indirect Wall Mount with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}  
Light Source: -  
Ballast/Driver: -

**Summary**

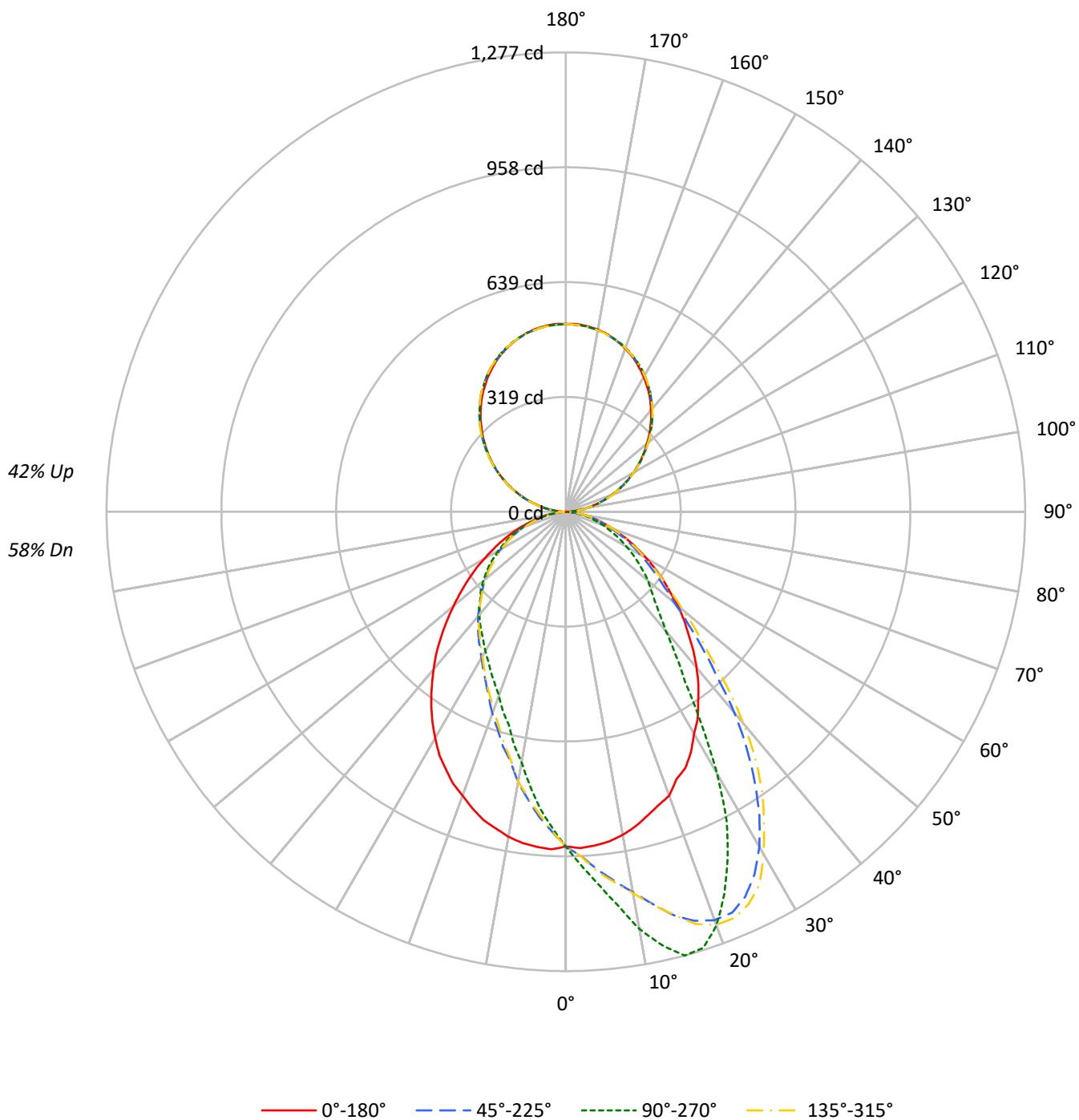
Lumens per Lamp: N/A  
Luminaire Lumens: 3514.0 lumens  
Efficiency: N/A  
Efficacy: 94.5 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 37.2  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1029512

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### Luminous Intensity Polar Plot



TEST NUMBER: P1029512

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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 | 50 | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 109 | 109 | 109 | 109 | 102 | 102 | 102 | 102 | 88 | 88 | 88 | 75 | 75 | 75 | 64 | 64 | 64 | 58 |    |    |
| 1   | 100 | 96  | 92  | 89  | 93  | 90  | 87  | 84  | 78 | 76 | 74 | 67 | 66 | 64 | 57 | 56 | 55 | 50 |    |    |
| 2   | 92  | 85  | 79  | 74  | 85  | 79  | 74  | 70  | 69 | 65 | 62 | 60 | 57 | 54 | 51 | 49 | 47 | 43 |    |    |
| 3   | 84  | 75  | 68  | 62  | 78  | 70  | 64  | 59  | 61 | 57 | 53 | 53 | 50 | 47 | 46 | 43 | 41 | 37 |    |    |
| 4   | 77  | 67  | 59  | 53  | 72  | 63  | 56  | 50  | 55 | 50 | 45 | 48 | 44 | 41 | 41 | 38 | 36 | 32 |    |    |
| 5   | 71  | 60  | 52  | 46  | 66  | 56  | 49  | 44  | 50 | 44 | 40 | 43 | 39 | 36 | 38 | 34 | 32 | 29 |    |    |
| 6   | 66  | 54  | 46  | 40  | 61  | 51  | 44  | 38  | 45 | 39 | 35 | 39 | 35 | 31 | 34 | 31 | 28 | 25 |    |    |
| 7   | 61  | 49  | 41  | 36  | 57  | 46  | 39  | 34  | 41 | 35 | 31 | 36 | 31 | 28 | 31 | 28 | 25 | 23 |    |    |
| 8   | 57  | 45  | 37  | 32  | 53  | 42  | 35  | 30  | 38 | 32 | 28 | 33 | 29 | 25 | 29 | 25 | 23 | 21 |    |    |
| 9   | 53  | 41  | 33  | 28  | 50  | 39  | 32  | 27  | 35 | 29 | 25 | 31 | 26 | 23 | 27 | 23 | 21 | 19 |    |    |
| 10  | 50  | 38  | 30  | 26  | 46  | 36  | 29  | 25  | 32 | 27 | 23 | 28 | 24 | 21 | 25 | 22 | 19 | 17 |    |    |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 14729 | 14729 | 14729 | 14729 |
| 5°  | 14764 | 15704 | 14821 | 12495 |
| 10° | 14593 | 17145 | 14684 | 10302 |
| 15° | 14239 | 18083 | 14438 | 8678  |
| 20° | 14017 | 16980 | 14017 | 7542  |
| 25° | 13570 | 14587 | 13632 | 6745  |
| 30° | 12836 | 11467 | 13081 | 6109  |
| 35° | 12185 | 7929  | 12388 | 5590  |
| 40° | 11435 | 5986  | 11567 | 5176  |
| 45° | 10514 | 4919  | 10684 | 4727  |
| 50° | 9716  | 4319  | 9733  | 4329  |
| 55° | 8804  | 3679  | 8863  | 3893  |
| 60° | 7835  | 3074  | 7944  | 3398  |
| 65° | 6968  | 2499  | 7092  | 2902  |
| 70° | 6102  | 1962  | 6258  | 2340  |
| 75° | 5119  | 1424  | 5320  | 1698  |
| 80° | 4000  | 902   | 4279  | 1007  |
| 85° | 2627  | 454   | 2825  | 336   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 15226 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 88.6   | 2.5       |
| 10°-20°   | 258.0  | 7.3       |
| 20°-30°   | 374.4  | 10.7      |
| 30°-40°   | 394.7  | 11.2      |
| 40°-50°   | 349.2  | 9.9       |
| 50°-60°   | 278.9  | 7.9       |
| 60°-70°   | 189.4  | 5.4       |
| 70°-80°   | 96.9   | 2.8       |
| 80°-90°   | 24.4   | 0.7       |
| 90°-100°  | 32.3   | 0.9       |
| 100°-110° | 102.7  | 2.9       |
| 110°-120° | 175.7  | 5.0       |
| 120°-130° | 231.0  | 6.6       |
| 130°-140° | 259.3  | 7.4       |
| 140°-150° | 254.3  | 7.2       |
| 150°-160° | 213.3  | 6.1       |
| 160°-170° | 141.5  | 4.0       |
| 170°-180° | 49.4   | 1.4       |
| 0°-30°    | 721.0  | 20.5      |
| 0°-40°    | 1115.7 | 31.7      |
| 0°-60°    | 1743.8 | 49.6      |
| 0°-90°    | 2054.5 | 58.5      |
| 90°-120°  | 310.6  | 8.8       |
| 90°-150°  | 1055.3 | 30.0      |
| 90°-180°  | 1460.0 | 41.5      |
| 0°-180°   | 3514.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 90°  | 180° | 270° | 360° | Flux |
|------|-----|------|------|------|------|------|
| 0°   | 930 | 930  | 930  | 930  | 930  |      |
| 5°   | 931 | 1039 | 935  | 827  | 931  | 88   |
| 15°  | 875 | 1277 | 887  | 613  | 875  | 247  |
| 25°  | 786 | 1064 | 790  | 492  | 786  | 359  |
| 35°  | 642 | 579  | 652  | 408  | 642  | 401  |
| 45°  | 481 | 349  | 489  | 335  | 481  | 373  |
| 55°  | 330 | 245  | 333  | 260  | 330  | 295  |
| 65°  | 196 | 151  | 200  | 175  | 196  | 195  |
| 75°  | 92  | 74   | 95   | 89   | 92   | 98   |
| 85°  | 19  | 19   | 20   | 14   | 19   | 22   |
| 90°  | 0   | 15   | 0    | 15   | 0    | 3    |
| 95°  | 23  | 27   | 23   | 27   | 23   | 26   |
| 105° | 95  | 98   | 95   | 98   | 95   | 100  |
| 115° | 176 | 176  | 176  | 176  | 176  | 174  |
| 125° | 256 | 257  | 256  | 257  | 256  | 229  |
| 135° | 332 | 336  | 332  | 336  | 332  | 256  |
| 145° | 403 | 407  | 403  | 407  | 403  | 252  |
| 155° | 460 | 464  | 460  | 464  | 460  | 212  |
| 165° | 501 | 501  | 501  | 501  | 501  | 141  |
| 175° | 521 | 519  | 521  | 519  | 521  | 50   |
| 180° | 522 | 522  | 522  | 522  | 522  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 930.5 | 930.5 | 930.5 | 930.5 | 930.5  | 930.5  | 930.5  | 930.5  | 930.5  | 930.5  | 930.5  |
| 2.5°   | 935.5 | 937.7 | 941.2 | 942.0 | 949.1  | 954.8  | 961.3  | 961.3  | 963.4  | 962.7  | 957.0  |
| 5°     | 931.2 | 937.7 | 947.0 | 954.8 | 967.7  | 973.4  | 982.0  | 988.4  | 994.2  | 998.5  | 997.7  |
| 7.5°   | 924.1 | 935.5 | 949.1 | 964.1 | 981.3  | 991.3  | 1003.5 | 1014.9 | 1022.8 | 1029.9 | 1034.9 |
| 10°    | 911.9 | 931.2 | 949.8 | 969.9 | 992.0  | 1005.6 | 1019.9 | 1034.9 | 1047.1 | 1060.7 | 1073.6 |
| 12.5°  | 895.5 | 923.4 | 946.3 | 972.7 | 999.9  | 1014.9 | 1037.8 | 1049.2 | 1072.8 | 1107.2 | 1116.5 |
| 15°    | 874.7 | 912.6 | 934.1 | 967.7 | 1003.5 | 1015.6 | 1047.1 | 1065.7 | 1114.3 | 1135.8 | 1161.5 |
| 17.5°  | 855.4 | 897.6 | 926.2 | 964.8 | 999.9  | 1023.5 | 1054.3 | 1092.2 | 1132.9 | 1163.7 | 1192.3 |
| 20°    | 839.7 | 880.4 | 914.8 | 957.7 | 1002.0 | 1032.1 | 1064.3 | 1110.0 | 1154.4 | 1185.9 | 1208.0 |
| 22.5°  | 803.9 | 856.1 | 896.2 | 944.1 | 997.7  | 1039.2 | 1070.0 | 1120.1 | 1168.0 | 1187.3 | 1206.6 |
| 25°    | 786.0 | 831.1 | 877.6 | 931.9 | 994.9  | 1044.2 | 1070.7 | 1126.5 | 1168.7 | 1175.8 | 1180.1 |
| 27.5°  | 753.1 | 803.9 | 858.3 | 920.5 | 994.2  | 1035.7 | 1069.3 | 1120.1 | 1153.7 | 1148.7 | 1135.8 |
| 30°    | 712.4 | 774.6 | 834.7 | 901.9 | 984.2  | 1029.2 | 1060.7 | 1107.2 | 1124.3 | 1098.6 | 1075.7 |
| 32.5°  | 682.3 | 741.0 | 807.5 | 885.5 | 972.7  | 1015.6 | 1046.4 | 1082.9 | 1086.4 | 1039.9 | 1001.3 |
| 35°    | 641.6 | 706.6 | 781.7 | 864.0 | 953.4  | 992.0  | 1020.6 | 1042.8 | 1025.6 | 960.6  | 914.8  |
| 37.5°  | 605.1 | 669.5 | 749.6 | 833.2 | 926.9  | 964.8  | 987.7  | 991.3  | 949.1  | 891.9  | 824.7  |
| 40°    | 565.0 | 631.5 | 715.2 | 803.2 | 897.6  | 930.5  | 944.8  | 934.1  | 873.3  | 806.8  | 728.8  |
| 42.5°  | 525.0 | 590.8 | 680.9 | 771.0 | 860.4  | 888.3  | 894.0  | 864.7  | 790.3  | 712.4  | 622.3  |
| 45°    | 481.4 | 550.0 | 640.1 | 731.0 | 817.5  | 833.2  | 834.0  | 791.8  | 703.8  | 622.3  | 538.6  |
| 47.5°  | 445.6 | 509.2 | 598.6 | 689.5 | 762.4  | 773.2  | 768.9  | 720.2  | 624.4  | 532.8  | 459.9  |
| 50°    | 406.3 | 467.0 | 555.7 | 645.1 | 707.4  | 710.2  | 699.5  | 630.1  | 536.4  | 452.7  | 394.8  |
| 52.5°  | 364.1 | 425.6 | 507.1 | 592.9 | 648.7  | 644.4  | 623.7  | 549.3  | 461.3  | 391.9  | 347.6  |
| 55°    | 330.4 | 384.8 | 461.3 | 545.0 | 584.3  | 572.2  | 549.3  | 473.5  | 404.1  | 345.5  | 306.8  |
| 57.5°  | 293.2 | 341.2 | 416.3 | 489.2 | 512.1  | 500.7  | 477.8  | 407.0  | 342.6  | 298.3  | 272.5  |
| 60°    | 258.2 | 301.8 | 367.6 | 428.4 | 446.3  | 434.1  | 407.7  | 344.0  | 297.5  | 260.3  | 241.0  |
| 62.5°  | 226.0 | 263.9 | 319.0 | 374.8 | 381.9  | 369.8  | 346.9  | 295.4  | 255.3  | 226.0  | 211.7  |
| 65°    | 196.0 | 231.7 | 276.1 | 318.3 | 324.7  | 311.8  | 288.2  | 251.0  | 217.4  | 198.8  | 185.2  |
| 67.5°  | 166.6 | 195.3 | 234.6 | 265.4 | 268.9  | 256.8  | 237.5  | 207.4  | 186.7  | 166.6  | 156.6  |
| 70°    | 140.9 | 162.4 | 193.1 | 218.1 | 219.6  | 208.1  | 198.1  | 170.9  | 155.2  | 140.9  | 133.0  |
| 72.5°  | 115.9 | 130.9 | 154.5 | 173.1 | 173.8  | 166.6  | 157.4  | 140.2  | 126.6  | 116.6  | 108.7  |
| 75°    | 91.5  | 104.4 | 118.7 | 135.2 | 134.5  | 128.7  | 121.6  | 110.9  | 99.4   | 93.0   | 89.4   |
| 77.5°  | 70.1  | 78.0  | 89.4  | 100.1 | 100.1  | 97.3   | 93.0   | 85.1   | 78.0   | 71.5   | 67.9   |
| 80°    | 50.1  | 55.1  | 64.4  | 67.9  | 69.4   | 68.7   | 65.1   | 59.4   | 56.5   | 51.5   | 50.1   |
| 82.5°  | 32.2  | 35.8  | 40.1  | 43.6  | 45.8   | 44.3   | 43.6   | 40.8   | 36.5   | 35.0   | 33.6   |
| 85°    | 18.6  | 20.0  | 22.2  | 24.3  | 25.0   | 24.3   | 25.7   | 23.6   | 21.5   | 21.5   | 20.7   |
| 87.5°  | 7.9   | 8.6   | 10.0  | 10.0  | 10.7   | 10.7   | 10.0   | 10.7   | 10.7   | 10.0   | 9.3    |
| 90°    | 0.4   | 1.6   | 2.8   | 3.9   | 5.1    | 5.7    | 6.8    | 8.9    | 11.1   | 13.2   | 15.4   |
| 92.5°  | 9.7   | 10.5  | 11.3  | 12.0  | 12.8   | 13.2   | 13.3   | 13.4   | 13.5   | 13.6   | 13.7   |
| 95°    | 22.9  | 23.9  | 24.9  | 25.8  | 26.8   | 27.3   | 27.4   | 27.6   | 27.8   | 28.0   | 28.2   |
| 97.5°  | 38.3  | 39.2  | 40.1  | 41.0  | 41.9   | 42.3   | 42.5   | 42.9   | 43.3   | 43.7   | 44.1   |
| 100°   | 55.9  | 56.7  | 57.5  | 58.3  | 59.1   | 59.5   | 59.6   | 59.9   | 60.2   | 60.5   | 60.8   |
| 102.5° | 74.5  | 75.1  | 75.7  | 76.2  | 76.8   | 77.1   | 77.3   | 77.7   | 78.1   | 78.5   | 78.9   |
| 105°   | 94.7  | 95.0  | 95.3  | 95.6  | 95.9   | 96.0   | 96.1   | 96.3   | 96.5   | 96.7   | 96.9   |
| 107.5° | 115.0 | 115.4 | 115.8 | 116.1 | 116.5  | 116.7  | 116.7  | 116.7  | 116.7  | 116.7  | 116.7  |
| 110°   | 134.4 | 135.0 | 135.6 | 136.1 | 136.7  | 137.0  | 137.0  | 137.0  | 137.0  | 137.0  | 137.0  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 155.5 | 156.1 | 156.7 | 157.3 | 157.9 | 158.2 | 158.1 | 158.0 | 157.9 | 157.8 | 157.7 |
| 115°   | 176.2 | 176.8 | 177.4 | 178.0 | 178.6 | 178.9 | 178.8 | 178.6 | 178.4 | 178.2 | 178.0 |
| 117.5° | 196.9 | 197.7 | 198.5 | 199.2 | 200.0 | 200.4 | 200.2 | 199.7 | 199.2 | 198.7 | 198.2 |
| 120°   | 217.6 | 218.4 | 219.2 | 219.9 | 220.7 | 221.1 | 220.7 | 219.9 | 219.2 | 218.4 | 217.6 |
| 122.5° | 236.6 | 237.6 | 238.6 | 239.5 | 240.5 | 241.0 | 240.8 | 240.3 | 239.8 | 239.3 | 238.8 |
| 125°   | 256.4 | 257.3 | 258.2 | 259.1 | 260.0 | 260.4 | 260.2 | 259.9 | 259.6 | 259.3 | 259.0 |
| 127.5° | 275.8 | 276.9 | 277.9 | 279.0 | 280.1 | 280.6 | 280.4 | 280.0 | 279.7 | 279.3 | 278.9 |
| 130°   | 293.8 | 295.1 | 296.4 | 297.7 | 299.0 | 299.6 | 299.5 | 299.3 | 299.1 | 298.9 | 298.7 |
| 132.5° | 314.1 | 315.1 | 316.1 | 317.0 | 318.0 | 318.5 | 318.5 | 318.6 | 318.7 | 318.8 | 318.9 |
| 135°   | 331.7 | 332.8 | 333.9 | 335.0 | 336.1 | 336.6 | 336.7 | 336.9 | 337.1 | 337.3 | 337.5 |
| 137.5° | 351.1 | 352.0 | 352.9 | 353.8 | 354.7 | 355.1 | 355.2 | 355.4 | 355.6 | 355.8 | 356.0 |
| 140°   | 368.3 | 369.2 | 370.1 | 371.0 | 371.9 | 372.3 | 372.5 | 373.0 | 373.5 | 374.0 | 374.5 |
| 142.5° | 385.9 | 386.8 | 387.7 | 388.6 | 389.5 | 389.9 | 390.0 | 390.3 | 390.6 | 390.9 | 391.2 |
| 145°   | 402.7 | 403.4 | 404.0 | 404.7 | 405.4 | 405.7 | 406.0 | 406.6 | 407.2 | 407.8 | 408.4 |
| 147.5° | 417.6 | 418.5 | 419.4 | 420.3 | 421.2 | 421.6 | 421.8 | 422.2 | 422.6 | 423.0 | 423.4 |
| 150°   | 433.0 | 433.6 | 434.2 | 434.8 | 435.4 | 435.7 | 435.9 | 436.3 | 436.7 | 437.1 | 437.5 |
| 152.5° | 446.7 | 447.3 | 447.9 | 448.4 | 449.0 | 449.3 | 449.6 | 450.1 | 450.6 | 451.1 | 451.6 |
| 155°   | 460.4 | 460.7 | 461.0 | 461.3 | 461.6 | 461.7 | 461.8 | 462.1 | 462.4 | 462.7 | 463.0 |
| 157.5° | 472.3 | 472.5 | 472.7 | 472.8 | 473.0 | 473.1 | 473.2 | 473.4 | 473.6 | 473.8 | 474.0 |
| 160°   | 482.8 | 483.0 | 483.2 | 483.4 | 483.6 | 483.7 | 483.8 | 483.9 | 484.0 | 484.1 | 484.2 |
| 162.5° | 492.5 | 492.5 | 492.5 | 492.5 | 492.5 | 492.5 | 492.6 | 492.7 | 492.8 | 492.9 | 493.0 |
| 165°   | 500.9 | 500.8 | 500.7 | 500.6 | 500.5 | 500.4 | 500.4 | 500.4 | 500.4 | 500.4 | 500.4 |
| 167.5° | 508.4 | 508.1 | 507.8 | 507.5 | 507.2 | 507.1 | 507.1 | 507.1 | 507.1 | 507.1 | 507.1 |
| 170°   | 514.1 | 513.8 | 513.5 | 513.2 | 512.9 | 512.8 | 512.7 | 512.6 | 512.5 | 512.4 | 512.3 |
| 172.5° | 518.1 | 517.8 | 517.5 | 517.2 | 516.9 | 516.7 | 516.7 | 516.6 | 516.5 | 516.4 | 516.3 |
| 175°   | 521.2 | 520.9 | 520.6 | 520.3 | 520.0 | 519.8 | 519.7 | 519.5 | 519.4 | 519.2 | 519.0 |
| 177.5° | 522.9 | 522.6 | 522.3 | 522.0 | 521.7 | 521.6 | 521.5 | 521.3 | 521.1 | 520.9 | 520.7 |
| 180°   | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 930.5  | 930.5  | 930.5  | 930.5  | 930.5  | 930.5  | 930.5  | 930.5  | 930.5  | 930.5  | 930.5  |
| 2.5°   | 967.0  | 967.7  | 969.1  | 976.3  | 979.9  | 980.6  | 977.7  | 984.2  | 986.3  | 984.2  | 982.7  |
| 5°     | 1012.8 | 1017.1 | 1025.6 | 1034.9 | 1034.2 | 1034.9 | 1039.2 | 1043.5 | 1045.0 | 1039.2 | 1041.4 |
| 7.5°   | 1052.8 | 1061.4 | 1070.7 | 1085.0 | 1085.0 | 1092.2 | 1095.0 | 1098.6 | 1107.2 | 1102.9 | 1101.5 |
| 10°    | 1098.6 | 1110.0 | 1127.2 | 1150.1 | 1150.8 | 1158.0 | 1165.1 | 1176.6 | 1180.1 | 1177.3 | 1178.7 |
| 12.5°  | 1155.8 | 1178.0 | 1179.4 | 1204.4 | 1215.9 | 1217.3 | 1228.8 | 1226.6 | 1233.8 | 1233.8 | 1245.9 |
| 15°    | 1180.8 | 1215.2 | 1234.5 | 1258.8 | 1266.0 | 1257.4 | 1266.7 | 1276.7 | 1277.4 | 1277.4 | 1276.7 |
| 17.5°  | 1225.9 | 1239.5 | 1258.8 | 1271.7 | 1274.5 | 1274.5 | 1275.3 | 1279.5 | 1276.7 | 1271.0 | 1275.3 |
| 20°    | 1235.2 | 1240.9 | 1248.1 | 1246.6 | 1248.1 | 1240.9 | 1233.8 | 1226.6 | 1227.3 | 1223.8 | 1234.5 |
| 22.5°  | 1218.0 | 1216.6 | 1200.2 | 1189.4 | 1189.4 | 1175.1 | 1161.5 | 1155.1 | 1148.7 | 1150.8 | 1154.4 |
| 25°    | 1175.1 | 1153.0 | 1132.9 | 1117.2 | 1113.6 | 1090.7 | 1072.1 | 1066.4 | 1055.7 | 1064.3 | 1065.7 |
| 27.5°  | 1106.5 | 1081.4 | 1049.2 | 1035.7 | 1017.1 | 1007.8 | 994.9  | 977.7  | 955.5  | 968.4  | 966.3  |
| 30°    | 1032.8 | 995.6  | 969.1  | 936.2  | 906.9  | 904.8  | 880.4  | 851.8  | 840.4  | 840.4  | 846.8  |
| 32.5°  | 950.5  | 901.2  | 862.6  | 816.1  | 787.5  | 775.3  | 746.0  | 717.4  | 723.8  | 702.4  | 710.2  |
| 35°    | 854.7  | 789.6  | 741.0  | 695.9  | 674.5  | 660.2  | 622.3  | 606.5  | 589.4  | 579.3  | 597.9  |
| 37.5°  | 763.2  | 688.1  | 625.8  | 576.5  | 568.6  | 542.9  | 517.1  | 507.1  | 497.1  | 501.4  | 500.7  |
| 40°    | 651.6  | 585.1  | 529.3  | 490.6  | 477.1  | 464.9  | 447.7  | 435.6  | 429.1  | 432.7  | 433.4  |
| 42.5°  | 550.7  | 494.9  | 453.5  | 426.3  | 414.8  | 406.3  | 397.7  | 387.7  | 385.5  | 385.5  | 388.4  |
| 45°    | 472.8  | 427.0  | 399.1  | 376.9  | 370.5  | 364.1  | 357.6  | 353.3  | 351.9  | 349.0  | 351.2  |
| 47.5°  | 410.5  | 374.1  | 356.9  | 340.4  | 333.3  | 331.9  | 326.1  | 324.0  | 321.1  | 320.4  | 321.1  |
| 50°    | 358.3  | 335.4  | 319.7  | 310.4  | 305.4  | 303.3  | 300.4  | 296.1  | 294.7  | 298.3  | 296.8  |
| 52.5°  | 321.9  | 300.4  | 291.8  | 282.5  | 279.7  | 276.8  | 272.5  | 273.2  | 272.5  | 271.1  | 271.1  |
| 55°    | 285.4  | 271.8  | 263.2  | 256.1  | 255.3  | 252.5  | 248.9  | 247.5  | 246.8  | 245.3  | 247.5  |
| 57.5°  | 256.1  | 245.3  | 237.5  | 231.0  | 228.2  | 228.2  | 224.6  | 221.7  | 221.7  | 221.0  | 221.7  |
| 60°    | 226.7  | 216.0  | 211.0  | 204.6  | 202.4  | 201.7  | 199.5  | 198.1  | 196.0  | 196.0  | 196.0  |
| 62.5°  | 199.5  | 191.0  | 185.2  | 179.5  | 180.2  | 176.7  | 173.8  | 172.4  | 172.4  | 173.1  | 173.1  |
| 65°    | 173.8  | 168.1  | 160.9  | 155.9  | 154.5  | 153.8  | 152.3  | 151.6  | 149.5  | 150.9  | 150.9  |
| 67.5°  | 150.2  | 142.3  | 138.0  | 135.9  | 133.7  | 133.0  | 131.6  | 130.2  | 129.5  | 128.7  | 130.2  |
| 70°    | 126.6  | 120.2  | 116.6  | 115.2  | 113.0  | 112.3  | 111.6  | 109.4  | 110.1  | 110.9  | 111.6  |
| 72.5°  | 105.1  | 99.4   | 98.7   | 94.4   | 94.4   | 94.4   | 91.5   | 93.0   | 92.3   | 90.8   | 92.3   |
| 75°    | 83.0   | 80.1   | 78.7   | 76.5   | 77.2   | 76.5   | 75.8   | 73.7   | 73.7   | 74.4   | 75.1   |
| 77.5°  | 65.8   | 62.9   | 62.2   | 60.1   | 58.6   | 60.1   | 58.6   | 57.9   | 57.9   | 58.6   | 58.6   |
| 80°    | 48.6   | 47.2   | 45.1   | 45.1   | 45.1   | 44.3   | 44.3   | 44.3   | 43.6   | 42.9   | 43.6   |
| 82.5°  | 32.2   | 32.2   | 31.5   | 30.8   | 31.5   | 30.0   | 30.8   | 30.8   | 30.8   | 30.8   | 30.8   |
| 85°    | 20.7   | 20.0   | 20.0   | 19.3   | 19.3   | 19.3   | 20.0   | 18.6   | 18.6   | 19.3   | 19.3   |
| 87.5°  | 9.3    | 9.3    | 9.3    | 10.0   | 9.3    | 9.3    | 9.3    | 10.0   | 9.3    | 9.3    | 9.3    |
| 90°    | 15.2   | 15.0   | 14.8   | 14.6   | 14.5   | 14.6   | 14.7   | 14.8   | 14.9   | 15.0   | 14.9   |
| 92.5°  | 13.8   | 13.9   | 14.0   | 14.1   | 14.1   | 14.1   | 14.1   | 14.1   | 14.1   | 14.1   | 14.1   |
| 95°    | 28.2   | 28.2   | 28.2   | 28.2   | 28.2   | 28.1   | 27.9   | 27.7   | 27.5   | 27.3   | 27.5   |
| 97.5°  | 44.1   | 44.1   | 44.1   | 44.1   | 44.1   | 44.1   | 44.1   | 44.1   | 44.1   | 44.1   | 44.1   |
| 100°   | 60.8   | 60.8   | 60.8   | 60.8   | 60.8   | 60.8   | 60.7   | 60.6   | 60.5   | 60.4   | 60.5   |
| 102.5° | 79.0   | 79.1   | 79.2   | 79.3   | 79.3   | 79.3   | 79.2   | 79.1   | 79.0   | 78.9   | 79.0   |
| 105°   | 97.1   | 97.3   | 97.5   | 97.7   | 97.8   | 97.8   | 97.8   | 97.8   | 97.8   | 97.8   | 97.8   |
| 107.5° | 116.8  | 116.9  | 117.0  | 117.1  | 117.2  | 117.0  | 116.5  | 116.0  | 115.5  | 115.0  | 115.5  |
| 110°   | 137.0  | 137.0  | 137.0  | 137.0  | 137.0  | 136.9  | 136.6  | 136.3  | 136.0  | 135.7  | 136.0  |



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**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 157.4 | 157.1 | 156.8 | 156.5 | 156.4 | 156.3 | 156.1 | 155.9 | 155.7 | 155.5 | 155.7 |
| 115°   | 177.9 | 177.8 | 177.7 | 177.6 | 177.5 | 177.4 | 177.1 | 176.8 | 176.5 | 176.2 | 176.5 |
| 117.5° | 197.9 | 197.6 | 197.3 | 197.0 | 196.9 | 196.8 | 196.5 | 196.2 | 195.9 | 195.6 | 195.9 |
| 120°   | 217.6 | 217.6 | 217.6 | 217.6 | 217.6 | 217.5 | 217.2 | 216.9 | 216.6 | 216.3 | 216.6 |
| 122.5° | 238.5 | 238.2 | 237.9 | 237.6 | 237.4 | 237.3 | 237.1 | 237.0 | 236.8 | 236.6 | 236.8 |
| 125°   | 258.7 | 258.4 | 258.1 | 257.8 | 257.7 | 257.7 | 257.6 | 257.5 | 257.4 | 257.3 | 257.4 |
| 127.5° | 278.5 | 278.1 | 277.7 | 277.3 | 277.1 | 277.0 | 276.7 | 276.4 | 276.1 | 275.8 | 276.1 |
| 130°   | 298.5 | 298.3 | 298.1 | 297.9 | 297.8 | 297.6 | 297.2 | 296.8 | 296.4 | 296.0 | 296.4 |
| 132.5° | 318.4 | 317.9 | 317.4 | 316.9 | 316.7 | 316.6 | 316.3 | 316.0 | 315.7 | 315.4 | 315.7 |
| 135°   | 337.4 | 337.3 | 337.2 | 337.1 | 337.0 | 336.9 | 336.6 | 336.3 | 336.0 | 335.7 | 336.0 |
| 137.5° | 355.9 | 355.8 | 355.7 | 355.6 | 355.5 | 355.3 | 354.9 | 354.6 | 354.2 | 353.8 | 354.2 |
| 140°   | 374.5 | 374.5 | 374.5 | 374.5 | 374.5 | 374.3 | 373.9 | 373.5 | 373.1 | 372.7 | 373.1 |
| 142.5° | 391.3 | 391.4 | 391.5 | 391.6 | 391.6 | 391.4 | 391.0 | 390.7 | 390.3 | 389.9 | 390.3 |
| 145°   | 408.5 | 408.6 | 408.7 | 408.8 | 408.8 | 408.6 | 408.2 | 407.9 | 407.5 | 407.1 | 407.5 |
| 147.5° | 423.6 | 423.8 | 423.9 | 424.1 | 424.2 | 424.0 | 423.6 | 423.3 | 422.9 | 422.5 | 422.9 |
| 150°   | 437.8 | 438.1 | 438.4 | 438.7 | 438.8 | 438.7 | 438.4 | 438.1 | 437.8 | 437.5 | 437.8 |
| 152.5° | 452.0 | 452.4 | 452.7 | 453.1 | 453.3 | 453.1 | 452.7 | 452.4 | 452.0 | 451.6 | 452.0 |
| 155°   | 463.5 | 464.0 | 464.5 | 465.0 | 465.2 | 465.1 | 464.8 | 464.5 | 464.2 | 463.9 | 464.2 |
| 157.5° | 474.7 | 475.4 | 476.1 | 476.8 | 477.1 | 476.9 | 476.4 | 475.9 | 475.4 | 474.9 | 475.4 |
| 160°   | 484.8 | 485.4 | 485.9 | 486.5 | 486.8 | 486.6 | 486.2 | 485.8 | 485.4 | 485.0 | 485.4 |
| 162.5° | 493.7 | 494.3 | 495.0 | 495.7 | 496.0 | 495.8 | 495.3 | 494.8 | 494.3 | 493.8 | 494.3 |
| 165°   | 501.1 | 501.8 | 502.5 | 503.2 | 503.5 | 503.3 | 502.8 | 502.3 | 501.8 | 501.3 | 501.8 |
| 167.5° | 507.8 | 508.4 | 509.1 | 509.8 | 510.1 | 509.9 | 509.4 | 508.9 | 508.4 | 507.9 | 508.4 |
| 170°   | 513.0 | 513.7 | 514.4 | 515.1 | 515.4 | 515.1 | 514.5 | 514.0 | 513.4 | 512.8 | 513.4 |
| 172.5° | 517.0 | 517.7 | 518.4 | 519.1 | 519.4 | 519.1 | 518.5 | 517.9 | 517.3 | 516.7 | 517.3 |
| 175°   | 519.7 | 520.3 | 521.0 | 521.7 | 522.0 | 521.7 | 521.1 | 520.6 | 520.0 | 519.4 | 520.0 |
| 177.5° | 521.3 | 521.9 | 522.5 | 523.1 | 523.4 | 523.1 | 522.5 | 521.9 | 521.3 | 520.7 | 521.3 |
| 180°   | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 |

TEST NUMBER: P1029512

CATALOG NUMBER: S122DIW-B485D435UB2750-4F0-XX-W2A-A1\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 930.5  | 930.5  | 930.5  | 930.5  | 930.5  | 930.5  | 930.5  | 930.5  | 930.5  | 930.5  | 930.5  |
| 2.5°   | 986.3  | 981.3  | 977.0  | 977.7  | 981.3  | 978.4  | 971.3  | 962.0  | 958.4  | 954.1  | 958.4  |
| 5°     | 1045.7 | 1041.4 | 1032.8 | 1033.5 | 1031.4 | 1028.5 | 1017.1 | 1002.8 | 1002.8 | 991.3  | 989.9  |
| 7.5°   | 1104.3 | 1097.9 | 1092.2 | 1090.7 | 1082.9 | 1077.1 | 1067.1 | 1047.1 | 1039.2 | 1025.6 | 1017.8 |
| 10°    | 1170.1 | 1165.1 | 1158.7 | 1150.8 | 1146.5 | 1136.5 | 1120.1 | 1090.7 | 1076.4 | 1057.8 | 1044.2 |
| 12.5°  | 1236.6 | 1235.9 | 1221.6 | 1205.9 | 1205.2 | 1189.4 | 1178.0 | 1138.6 | 1119.3 | 1094.3 | 1062.1 |
| 15°    | 1278.8 | 1275.3 | 1267.4 | 1259.5 | 1261.7 | 1244.5 | 1218.8 | 1172.3 | 1159.4 | 1129.3 | 1095.0 |
| 17.5°  | 1278.1 | 1278.1 | 1276.0 | 1274.5 | 1272.4 | 1267.4 | 1253.1 | 1222.3 | 1201.6 | 1163.7 | 1131.5 |
| 20°    | 1237.3 | 1246.6 | 1248.8 | 1248.1 | 1255.2 | 1258.8 | 1258.1 | 1238.8 | 1222.3 | 1188.7 | 1155.8 |
| 22.5°  | 1155.8 | 1177.3 | 1186.6 | 1192.3 | 1207.3 | 1215.2 | 1233.8 | 1226.6 | 1222.3 | 1197.3 | 1169.4 |
| 25°    | 1080.0 | 1087.2 | 1115.0 | 1116.5 | 1137.2 | 1156.5 | 1175.1 | 1187.3 | 1203.0 | 1193.7 | 1170.1 |
| 27.5°  | 982.0  | 998.5  | 1018.5 | 1033.5 | 1037.8 | 1077.1 | 1107.9 | 1130.8 | 1166.5 | 1169.4 | 1161.5 |
| 30°    | 871.2  | 879.0  | 911.9  | 931.9  | 954.8  | 983.4  | 1027.8 | 1067.1 | 1099.3 | 1128.6 | 1138.6 |
| 32.5°  | 736.0  | 768.2  | 787.5  | 811.8  | 831.8  | 882.6  | 937.0  | 987.7  | 1024.9 | 1074.3 | 1095.7 |
| 35°    | 612.2  | 637.3  | 670.2  | 680.2  | 716.7  | 759.6  | 830.4  | 895.5  | 952.0  | 1002.0 | 1045.7 |
| 37.5°  | 510.0  | 530.0  | 565.0  | 580.8  | 602.2  | 657.3  | 716.7  | 797.5  | 865.4  | 926.9  | 981.3  |
| 40°    | 439.9  | 454.9  | 481.4  | 486.4  | 504.2  | 554.3  | 602.2  | 678.0  | 768.2  | 851.1  | 910.5  |
| 42.5°  | 391.9  | 399.1  | 417.0  | 423.4  | 434.9  | 468.5  | 511.4  | 582.9  | 666.6  | 752.4  | 836.1  |
| 45°    | 357.6  | 362.6  | 373.4  | 379.1  | 393.4  | 408.4  | 443.4  | 500.7  | 566.5  | 653.0  | 743.1  |
| 47.5°  | 326.9  | 333.3  | 337.6  | 341.2  | 349.0  | 365.5  | 388.4  | 430.6  | 493.5  | 572.9  | 660.2  |
| 50°    | 301.1  | 303.3  | 311.1  | 311.8  | 316.8  | 327.6  | 349.0  | 374.8  | 424.8  | 489.2  | 573.6  |
| 52.5°  | 275.4  | 277.5  | 282.5  | 287.5  | 289.7  | 298.3  | 312.6  | 334.0  | 371.2  | 422.0  | 497.1  |
| 55°    | 249.6  | 252.5  | 257.5  | 261.1  | 263.2  | 270.4  | 278.9  | 299.7  | 329.0  | 364.8  | 426.3  |
| 57.5°  | 223.9  | 230.3  | 231.7  | 233.9  | 237.5  | 245.3  | 253.2  | 265.4  | 288.2  | 321.1  | 366.2  |
| 60°    | 199.5  | 201.7  | 206.7  | 208.8  | 212.4  | 216.7  | 226.7  | 236.0  | 252.5  | 278.2  | 319.0  |
| 62.5°  | 174.5  | 179.5  | 181.7  | 183.8  | 186.7  | 191.7  | 198.1  | 208.1  | 222.4  | 243.2  | 275.4  |
| 65°    | 153.1  | 153.8  | 158.1  | 160.9  | 163.8  | 167.4  | 173.8  | 183.1  | 191.7  | 211.0  | 234.6  |
| 67.5°  | 132.3  | 133.7  | 135.2  | 138.0  | 141.6  | 145.2  | 150.9  | 155.9  | 166.6  | 179.5  | 198.1  |
| 70°    | 112.3  | 112.3  | 115.9  | 118.0  | 117.3  | 121.6  | 125.9  | 131.6  | 139.5  | 151.6  | 166.6  |
| 72.5°  | 94.4   | 93.7   | 96.6   | 97.3   | 98.7   | 101.6  | 104.4  | 110.1  | 114.4  | 123.7  | 135.2  |
| 75°    | 75.1   | 76.5   | 78.0   | 78.0   | 80.1   | 82.3   | 85.1   | 88.0   | 93.0   | 98.7   | 107.3  |
| 77.5°  | 59.4   | 59.4   | 60.8   | 61.5   | 63.7   | 62.9   | 65.8   | 68.7   | 72.2   | 77.2   | 83.7   |
| 80°    | 43.6   | 45.1   | 45.1   | 45.1   | 45.8   | 46.5   | 49.4   | 51.5   | 53.6   | 57.2   | 60.1   |
| 82.5°  | 30.8   | 30.8   | 32.2   | 32.2   | 32.2   | 33.6   | 33.6   | 34.3   | 35.8   | 37.9   | 40.1   |
| 85°    | 19.3   | 19.3   | 19.3   | 20.0   | 19.3   | 20.0   | 21.5   | 20.7   | 21.5   | 22.9   | 22.9   |
| 87.5°  | 9.3    | 9.3    | 9.3    | 9.3    | 9.3    | 10.0   | 9.3    | 10.0   | 10.7   | 10.7   | 10.7   |
| 90°    | 14.8   | 14.7   | 14.6   | 14.5   | 14.6   | 14.8   | 15.0   | 15.2   | 15.4   | 13.2   | 11.1   |
| 92.5°  | 14.1   | 14.1   | 14.1   | 14.1   | 14.1   | 14.0   | 13.9   | 13.8   | 13.7   | 13.6   | 13.5   |
| 95°    | 27.7   | 27.9   | 28.1   | 28.2   | 28.2   | 28.2   | 28.2   | 28.2   | 28.2   | 28.0   | 27.8   |
| 97.5°  | 44.1   | 44.1   | 44.1   | 44.1   | 44.1   | 44.1   | 44.1   | 44.1   | 44.1   | 43.7   | 43.3   |
| 100°   | 60.6   | 60.7   | 60.8   | 60.8   | 60.8   | 60.8   | 60.8   | 60.8   | 60.8   | 60.5   | 60.2   |
| 102.5° | 79.1   | 79.2   | 79.3   | 79.3   | 79.3   | 79.2   | 79.1   | 79.0   | 78.9   | 78.5   | 78.1   |
| 105°   | 97.8   | 97.8   | 97.8   | 97.8   | 97.7   | 97.5   | 97.3   | 97.1   | 96.9   | 96.7   | 96.5   |
| 107.5° | 116.0  | 116.5  | 117.0  | 117.2  | 117.1  | 117.0  | 116.9  | 116.8  | 116.7  | 116.7  | 116.7  |
| 110°   | 136.3  | 136.6  | 136.9  | 137.0  | 137.0  | 137.0  | 137.0  | 137.0  | 137.0  | 137.0  | 137.0  |

TEST NUMBER: P1029512

CATALOG NUMBER: S122DIW-B485D435UB2750-4F0-XX-W2A-A1\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 155.9 | 156.1 | 156.3 | 156.4  | 156.5 | 156.8 | 157.1 | 157.4 | 157.7 | 157.8 | 157.9 |
| 115°   | 176.8 | 177.1 | 177.4 | 177.5  | 177.6 | 177.7 | 177.8 | 177.9 | 178.0 | 178.2 | 178.4 |
| 117.5° | 196.2 | 196.5 | 196.8 | 196.9  | 197.0 | 197.3 | 197.6 | 197.9 | 198.2 | 198.7 | 199.2 |
| 120°   | 216.9 | 217.2 | 217.5 | 217.6  | 217.6 | 217.6 | 217.6 | 217.6 | 217.6 | 218.4 | 219.2 |
| 122.5° | 237.0 | 237.1 | 237.3 | 237.4  | 237.6 | 237.9 | 238.2 | 238.5 | 238.8 | 239.3 | 239.8 |
| 125°   | 257.5 | 257.6 | 257.7 | 257.7  | 257.8 | 258.1 | 258.4 | 258.7 | 259.0 | 259.3 | 259.6 |
| 127.5° | 276.4 | 276.7 | 277.0 | 277.1  | 277.3 | 277.7 | 278.1 | 278.5 | 278.9 | 279.3 | 279.7 |
| 130°   | 296.8 | 297.2 | 297.6 | 297.8  | 297.9 | 298.1 | 298.3 | 298.5 | 298.7 | 298.9 | 299.1 |
| 132.5° | 316.0 | 316.3 | 316.6 | 316.7  | 316.9 | 317.4 | 317.9 | 318.4 | 318.9 | 318.8 | 318.7 |
| 135°   | 336.3 | 336.6 | 336.9 | 337.0  | 337.1 | 337.2 | 337.3 | 337.4 | 337.5 | 337.3 | 337.1 |
| 137.5° | 354.6 | 354.9 | 355.3 | 355.5  | 355.6 | 355.7 | 355.8 | 355.9 | 356.0 | 355.8 | 355.6 |
| 140°   | 373.5 | 373.9 | 374.3 | 374.5  | 374.5 | 374.5 | 374.5 | 374.5 | 374.5 | 374.0 | 373.5 |
| 142.5° | 390.7 | 391.0 | 391.4 | 391.6  | 391.6 | 391.5 | 391.4 | 391.3 | 391.2 | 390.9 | 390.6 |
| 145°   | 407.9 | 408.2 | 408.6 | 408.8  | 408.8 | 408.7 | 408.6 | 408.5 | 408.4 | 407.8 | 407.2 |
| 147.5° | 423.3 | 423.6 | 424.0 | 424.2  | 424.1 | 423.9 | 423.8 | 423.6 | 423.4 | 423.0 | 422.6 |
| 150°   | 438.1 | 438.4 | 438.7 | 438.8  | 438.7 | 438.4 | 438.1 | 437.8 | 437.5 | 437.1 | 436.7 |
| 152.5° | 452.4 | 452.7 | 453.1 | 453.3  | 453.1 | 452.7 | 452.4 | 452.0 | 451.6 | 451.1 | 450.6 |
| 155°   | 464.5 | 464.8 | 465.1 | 465.2  | 465.0 | 464.5 | 464.0 | 463.5 | 463.0 | 462.7 | 462.4 |
| 157.5° | 475.9 | 476.4 | 476.9 | 477.1  | 476.8 | 476.1 | 475.4 | 474.7 | 474.0 | 473.8 | 473.6 |
| 160°   | 485.8 | 486.2 | 486.6 | 486.8  | 486.5 | 485.9 | 485.4 | 484.8 | 484.2 | 484.1 | 484.0 |
| 162.5° | 494.8 | 495.3 | 495.8 | 496.0  | 495.7 | 495.0 | 494.3 | 493.7 | 493.0 | 492.9 | 492.8 |
| 165°   | 502.3 | 502.8 | 503.3 | 503.5  | 503.2 | 502.5 | 501.8 | 501.1 | 500.4 | 500.4 | 500.4 |
| 167.5° | 508.9 | 509.4 | 509.9 | 510.1  | 509.8 | 509.1 | 508.4 | 507.8 | 507.1 | 507.1 | 507.1 |
| 170°   | 514.0 | 514.5 | 515.1 | 515.4  | 515.1 | 514.4 | 513.7 | 513.0 | 512.3 | 512.4 | 512.5 |
| 172.5° | 517.9 | 518.5 | 519.1 | 519.4  | 519.1 | 518.4 | 517.7 | 517.0 | 516.3 | 516.4 | 516.5 |
| 175°   | 520.6 | 521.1 | 521.7 | 522.0  | 521.7 | 521.0 | 520.3 | 519.7 | 519.0 | 519.2 | 519.4 |
| 177.5° | 521.9 | 522.5 | 523.1 | 523.4  | 523.1 | 522.5 | 521.9 | 521.3 | 520.7 | 520.9 | 521.1 |
| 180°   | 522.0 | 522.0 | 522.0 | 522.0  | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 |

TEST NUMBER: P1029512

CATALOG NUMBER: S122DIW-B485D435UB2750-4F0-XX-W2A-A1\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 930.5  | 930.5  | 930.5  | 930.5  | 930.5 | 930.5 | 930.5 | 930.5 | 930.5 | 930.5 | 930.5 |
| 2.5°   | 954.8  | 951.3  | 949.1  | 950.5  | 946.3 | 935.5 | 935.5 | 939.1 | 934.8 | 930.5 | 924.1 |
| 5°     | 981.3  | 974.1  | 969.9  | 969.1  | 959.1 | 942.0 | 938.4 | 934.8 | 925.5 | 915.5 | 904.8 |
| 7.5°   | 1007.0 | 994.2  | 987.0  | 982.0  | 967.7 | 945.5 | 936.2 | 928.4 | 913.3 | 898.3 | 884.7 |
| 10°    | 1028.5 | 1009.9 | 1001.3 | 993.5  | 974.9 | 947.0 | 931.9 | 917.6 | 898.3 | 879.0 | 861.9 |
| 12.5°  | 1045.7 | 1024.2 | 1013.5 | 1002.0 | 979.2 | 942.7 | 924.1 | 901.2 | 881.9 | 856.1 | 839.0 |
| 15°    | 1074.3 | 1029.9 | 1019.9 | 1009.2 | 985.6 | 935.5 | 912.6 | 886.9 | 860.4 | 826.1 | 807.5 |
| 17.5°  | 1097.2 | 1037.8 | 1037.1 | 1014.2 | 983.4 | 932.7 | 897.6 | 864.0 | 835.4 | 801.1 | 771.7 |
| 20°    | 1110.8 | 1050.0 | 1038.5 | 1014.9 | 976.3 | 913.3 | 876.9 | 839.7 | 808.9 | 767.4 | 738.1 |
| 22.5°  | 1122.2 | 1067.1 | 1037.1 | 1008.5 | 961.3 | 906.9 | 853.3 | 818.2 | 776.0 | 731.0 | 703.1 |
| 25°    | 1126.5 | 1070.7 | 1039.2 | 1006.3 | 950.5 | 888.3 | 827.5 | 789.6 | 742.4 | 701.6 | 663.7 |
| 27.5°  | 1127.2 | 1070.0 | 1031.4 | 997.0  | 935.5 | 864.0 | 801.8 | 761.7 | 709.5 | 662.3 | 624.4 |
| 30°    | 1120.1 | 1062.1 | 1027.1 | 989.9  | 921.2 | 841.8 | 770.3 | 726.0 | 670.2 | 623.0 | 583.6 |
| 32.5°  | 1098.6 | 1046.4 | 1017.8 | 977.0  | 902.6 | 811.1 | 740.3 | 690.9 | 632.3 | 585.8 | 547.9 |
| 35°    | 1062.8 | 1027.1 | 995.6  | 957.7  | 878.3 | 782.5 | 710.2 | 652.3 | 592.9 | 548.6 | 512.8 |
| 37.5°  | 1018.5 | 999.2  | 969.9  | 932.7  | 850.4 | 756.7 | 676.6 | 612.2 | 552.9 | 510.0 | 474.9 |
| 40°    | 958.4  | 963.4  | 934.8  | 901.2  | 817.5 | 721.7 | 633.0 | 571.5 | 515.7 | 475.6 | 441.3 |
| 42.5°  | 893.3  | 914.1  | 897.6  | 865.4  | 781.0 | 683.0 | 600.8 | 532.8 | 478.5 | 437.0 | 408.4 |
| 45°    | 823.2  | 859.0  | 849.0  | 825.4  | 743.1 | 642.3 | 555.0 | 489.2 | 441.3 | 401.2 | 376.2 |
| 47.5°  | 746.7  | 797.5  | 797.5  | 780.3  | 700.9 | 601.5 | 515.7 | 448.4 | 401.2 | 372.6 | 348.3 |
| 50°    | 668.7  | 726.0  | 735.3  | 723.8  | 653.7 | 555.0 | 467.8 | 407.0 | 366.2 | 338.3 | 320.4 |
| 52.5°  | 587.2  | 653.7  | 670.9  | 665.2  | 603.7 | 510.7 | 428.4 | 369.1 | 331.9 | 307.5 | 291.8 |
| 55°    | 509.2  | 586.5  | 605.1  | 607.2  | 550.0 | 462.0 | 384.8 | 332.6 | 296.8 | 280.4 | 266.8 |
| 57.5°  | 435.6  | 510.0  | 530.7  | 534.3  | 495.7 | 417.7 | 344.0 | 298.3 | 266.1 | 252.5 | 241.7 |
| 60°    | 372.6  | 434.9  | 462.0  | 469.9  | 436.3 | 366.2 | 306.1 | 261.8 | 237.5 | 224.6 | 214.6 |
| 62.5°  | 321.1  | 371.2  | 399.8  | 402.0  | 386.9 | 321.1 | 266.8 | 229.6 | 208.8 | 197.4 | 192.4 |
| 65°    | 271.1  | 316.1  | 333.3  | 341.9  | 329.7 | 278.2 | 230.3 | 199.5 | 183.1 | 173.1 | 168.1 |
| 67.5°  | 231.0  | 259.6  | 273.9  | 285.4  | 273.2 | 234.6 | 196.0 | 170.9 | 158.8 | 148.8 | 145.9 |
| 70°    | 189.5  | 213.1  | 223.9  | 235.3  | 224.6 | 195.3 | 167.4 | 144.5 | 133.7 | 125.9 | 122.3 |
| 72.5°  | 151.6  | 170.2  | 180.2  | 187.4  | 181.0 | 156.6 | 133.7 | 118.0 | 110.1 | 104.4 | 102.3 |
| 75°    | 120.2  | 133.0  | 138.8  | 143.8  | 140.9 | 122.3 | 108.0 | 95.1  | 88.0  | 83.0  | 81.5  |
| 77.5°  | 91.5   | 100.8  | 107.3  | 108.7  | 105.1 | 93.0  | 80.8  | 73.0  | 67.2  | 64.4  | 62.9  |
| 80°    | 65.1   | 70.8   | 74.4   | 76.5   | 73.0  | 67.9  | 59.4  | 53.6  | 48.6  | 45.1  | 44.3  |
| 82.5°  | 43.6   | 46.5   | 49.4   | 48.6   | 47.2  | 42.9  | 37.9  | 35.0  | 32.9  | 30.0  | 30.0  |
| 85°    | 25.0   | 25.7   | 27.2   | 27.9   | 27.2  | 24.3  | 21.5  | 20.0  | 18.6  | 16.5  | 16.5  |
| 87.5°  | 10.7   | 11.4   | 11.4   | 12.2   | 10.7  | 10.7  | 9.3   | 7.9   | 7.9   | 7.2   | 6.4   |
| 90°    | 8.9    | 6.8    | 5.7    | 5.1    | 3.9   | 2.8   | 1.6   | 0.4   | 1.6   | 2.8   | 3.9   |
| 92.5°  | 13.4   | 13.3   | 13.2   | 12.8   | 12.0  | 11.3  | 10.5  | 9.7   | 10.5  | 11.3  | 12.0  |
| 95°    | 27.6   | 27.4   | 27.3   | 26.8   | 25.8  | 24.9  | 23.9  | 22.9  | 23.9  | 24.9  | 25.8  |
| 97.5°  | 42.9   | 42.5   | 42.3   | 41.9   | 41.0  | 40.1  | 39.2  | 38.3  | 39.2  | 40.1  | 41.0  |
| 100°   | 59.9   | 59.6   | 59.5   | 59.1   | 58.3  | 57.5  | 56.7  | 55.9  | 56.7  | 57.5  | 58.3  |
| 102.5° | 77.7   | 77.3   | 77.1   | 76.8   | 76.2  | 75.7  | 75.1  | 74.5  | 75.1  | 75.7  | 76.2  |
| 105°   | 96.3   | 96.1   | 96.0   | 95.9   | 95.6  | 95.3  | 95.0  | 94.7  | 95.0  | 95.3  | 95.6  |
| 107.5° | 116.7  | 116.7  | 116.7  | 116.5  | 116.1 | 115.8 | 115.4 | 115.0 | 115.4 | 115.8 | 116.1 |
| 110°   | 137.0  | 137.0  | 137.0  | 136.7  | 136.1 | 135.6 | 135.0 | 134.4 | 135.0 | 135.6 | 136.1 |

TEST NUMBER: P1029512

CATALOG NUMBER: S122DIW-B485D435UB2750-4F0-XX-W2A-A1\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 158.0 | 158.1 | 158.2  | 157.9 | 157.3 | 156.7 | 156.1 | 155.5 | 156.1 | 156.7 | 157.3 |
| 115°   | 178.6 | 178.8 | 178.9  | 178.6 | 178.0 | 177.4 | 176.8 | 176.2 | 176.8 | 177.4 | 178.0 |
| 117.5° | 199.7 | 200.2 | 200.4  | 200.0 | 199.2 | 198.5 | 197.7 | 196.9 | 197.7 | 198.5 | 199.2 |
| 120°   | 219.9 | 220.7 | 221.1  | 220.7 | 219.9 | 219.2 | 218.4 | 217.6 | 218.4 | 219.2 | 219.9 |
| 122.5° | 240.3 | 240.8 | 241.0  | 240.5 | 239.5 | 238.6 | 237.6 | 236.6 | 237.6 | 238.6 | 239.5 |
| 125°   | 259.9 | 260.2 | 260.4  | 260.0 | 259.1 | 258.2 | 257.3 | 256.4 | 257.3 | 258.2 | 259.1 |
| 127.5° | 280.0 | 280.4 | 280.6  | 280.1 | 279.0 | 277.9 | 276.9 | 275.8 | 276.9 | 277.9 | 279.0 |
| 130°   | 299.3 | 299.5 | 299.6  | 299.0 | 297.7 | 296.4 | 295.1 | 293.8 | 295.1 | 296.4 | 297.7 |
| 132.5° | 318.6 | 318.5 | 318.5  | 318.0 | 317.0 | 316.1 | 315.1 | 314.1 | 315.1 | 316.1 | 317.0 |
| 135°   | 336.9 | 336.7 | 336.6  | 336.1 | 335.0 | 333.9 | 332.8 | 331.7 | 332.8 | 333.9 | 335.0 |
| 137.5° | 355.4 | 355.2 | 355.1  | 354.7 | 353.8 | 352.9 | 352.0 | 351.1 | 352.0 | 352.9 | 353.8 |
| 140°   | 373.0 | 372.5 | 372.3  | 371.9 | 371.0 | 370.1 | 369.2 | 368.3 | 369.2 | 370.1 | 371.0 |
| 142.5° | 390.3 | 390.0 | 389.9  | 389.5 | 388.6 | 387.7 | 386.8 | 385.9 | 386.8 | 387.7 | 388.6 |
| 145°   | 406.6 | 406.0 | 405.7  | 405.4 | 404.7 | 404.0 | 403.4 | 402.7 | 403.4 | 404.0 | 404.7 |
| 147.5° | 422.2 | 421.8 | 421.6  | 421.2 | 420.3 | 419.4 | 418.5 | 417.6 | 418.5 | 419.4 | 420.3 |
| 150°   | 436.3 | 435.9 | 435.7  | 435.4 | 434.8 | 434.2 | 433.6 | 433.0 | 433.6 | 434.2 | 434.8 |
| 152.5° | 450.1 | 449.6 | 449.3  | 449.0 | 448.4 | 447.9 | 447.3 | 446.7 | 447.3 | 447.9 | 448.4 |
| 155°   | 462.1 | 461.8 | 461.7  | 461.6 | 461.3 | 461.0 | 460.7 | 460.4 | 460.7 | 461.0 | 461.3 |
| 157.5° | 473.4 | 473.2 | 473.1  | 473.0 | 472.8 | 472.7 | 472.5 | 472.3 | 472.5 | 472.7 | 472.8 |
| 160°   | 483.9 | 483.8 | 483.7  | 483.6 | 483.4 | 483.2 | 483.0 | 482.8 | 483.0 | 483.2 | 483.4 |
| 162.5° | 492.7 | 492.6 | 492.5  | 492.5 | 492.5 | 492.5 | 492.5 | 492.5 | 492.5 | 492.5 | 492.5 |
| 165°   | 500.4 | 500.4 | 500.4  | 500.5 | 500.6 | 500.7 | 500.8 | 500.9 | 500.8 | 500.7 | 500.6 |
| 167.5° | 507.1 | 507.1 | 507.1  | 507.2 | 507.5 | 507.8 | 508.1 | 508.4 | 508.1 | 507.8 | 507.5 |
| 170°   | 512.6 | 512.7 | 512.8  | 512.9 | 513.2 | 513.5 | 513.8 | 514.1 | 513.8 | 513.5 | 513.2 |
| 172.5° | 516.6 | 516.7 | 516.7  | 516.9 | 517.2 | 517.5 | 517.8 | 518.1 | 517.8 | 517.5 | 517.2 |
| 175°   | 519.5 | 519.7 | 519.8  | 520.0 | 520.3 | 520.6 | 520.9 | 521.2 | 520.9 | 520.6 | 520.3 |
| 177.5° | 521.3 | 521.5 | 521.6  | 521.7 | 522.0 | 522.3 | 522.6 | 522.9 | 522.6 | 522.3 | 522.0 |
| 180°   | 522.0 | 522.0 | 522.0  | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 |

TEST NUMBER: P1029512

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**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 930.5 | 930.5  | 930.5 | 930.5 | 930.5 | 930.5 | 930.5 | 930.5 | 930.5 | 930.5 | 930.5 |
| 2.5°   | 920.5 | 924.1  | 923.4 | 916.2 | 908.3 | 901.9 | 889.7 | 891.2 | 886.9 | 887.6 | 891.9 |
| 5°     | 897.6 | 897.6  | 894.8 | 884.7 | 871.9 | 864.7 | 851.1 | 847.5 | 839.0 | 838.3 | 837.5 |
| 7.5°   | 873.3 | 869.7  | 866.1 | 851.8 | 836.1 | 824.7 | 806.1 | 801.8 | 793.2 | 787.5 | 784.6 |
| 10°    | 844.7 | 839.7  | 832.5 | 816.1 | 796.8 | 782.5 | 763.2 | 757.4 | 741.0 | 733.8 | 729.5 |
| 12.5°  | 813.2 | 810.4  | 798.9 | 785.3 | 753.9 | 738.1 | 710.2 | 715.9 | 699.5 | 685.2 | 683.0 |
| 15°    | 781.7 | 771.0  | 764.6 | 742.4 | 704.5 | 697.3 | 675.2 | 663.7 | 648.7 | 637.3 | 637.3 |
| 17.5°  | 751.0 | 734.5  | 720.2 | 696.6 | 668.7 | 648.7 | 632.3 | 626.5 | 607.9 | 596.5 | 594.4 |
| 20°    | 710.2 | 691.6  | 688.1 | 654.4 | 635.1 | 613.0 | 597.2 | 582.9 | 569.3 | 564.3 | 560.7 |
| 22.5°  | 671.6 | 650.1  | 644.4 | 615.8 | 596.5 | 574.3 | 558.6 | 548.6 | 538.6 | 535.0 | 528.6 |
| 25°    | 630.1 | 617.2  | 608.7 | 577.9 | 556.4 | 535.7 | 525.0 | 517.8 | 508.5 | 507.8 | 503.5 |
| 27.5°  | 590.1 | 577.9  | 569.3 | 540.0 | 524.3 | 505.0 | 496.4 | 488.5 | 483.5 | 481.4 | 479.2 |
| 30°    | 555.7 | 542.1  | 532.1 | 510.7 | 491.4 | 475.6 | 468.5 | 463.5 | 460.6 | 457.0 | 456.3 |
| 32.5°  | 517.8 | 510.0  | 496.4 | 479.9 | 464.9 | 449.9 | 445.6 | 442.0 | 437.7 | 436.3 | 435.6 |
| 35°    | 485.6 | 474.9  | 466.3 | 447.7 | 441.3 | 428.4 | 423.4 | 420.6 | 414.8 | 413.4 | 412.0 |
| 37.5°  | 454.2 | 444.2  | 434.9 | 423.4 | 411.3 | 404.1 | 401.2 | 397.0 | 394.1 | 394.8 | 393.4 |
| 40°    | 422.7 | 414.8  | 407.7 | 395.5 | 388.4 | 384.8 | 379.1 | 374.8 | 373.4 | 374.1 | 373.4 |
| 42.5°  | 391.9 | 384.8  | 380.5 | 371.2 | 364.1 | 360.5 | 356.9 | 352.6 | 354.8 | 354.8 | 356.9 |
| 45°    | 364.1 | 357.6  | 354.8 | 347.6 | 343.3 | 337.6 | 334.0 | 333.3 | 336.2 | 335.4 | 335.4 |
| 47.5°  | 335.4 | 333.3  | 329.7 | 323.3 | 317.6 | 314.0 | 313.3 | 313.3 | 316.1 | 317.6 | 316.8 |
| 50°    | 313.3 | 309.0  | 304.7 | 299.7 | 295.4 | 294.0 | 291.8 | 293.2 | 296.1 | 296.1 | 297.5 |
| 52.5°  | 285.4 | 282.5  | 281.1 | 276.8 | 273.9 | 273.9 | 273.9 | 274.6 | 276.8 | 278.9 | 278.2 |
| 55°    | 261.1 | 258.9  | 257.5 | 255.3 | 251.8 | 252.5 | 251.8 | 253.2 | 255.3 | 257.5 | 258.9 |
| 57.5°  | 235.3 | 234.6  | 233.2 | 229.6 | 229.6 | 228.9 | 231.0 | 231.7 | 235.3 | 236.7 | 238.9 |
| 60°    | 212.4 | 210.3  | 210.3 | 207.4 | 207.4 | 207.4 | 209.6 | 211.7 | 214.6 | 215.3 | 216.7 |
| 62.5°  | 188.1 | 188.1  | 187.4 | 185.2 | 185.2 | 187.4 | 188.1 | 191.0 | 192.4 | 192.4 | 194.5 |
| 65°    | 165.2 | 164.5  | 163.8 | 164.5 | 165.2 | 165.2 | 167.4 | 168.8 | 170.2 | 170.9 | 171.7 |
| 67.5°  | 142.3 | 141.6  | 143.0 | 142.3 | 143.8 | 146.6 | 145.9 | 148.1 | 150.2 | 150.2 | 150.9 |
| 70°    | 120.9 | 122.3  | 121.6 | 123.0 | 122.3 | 123.7 | 125.9 | 126.6 | 126.6 | 127.3 | 129.5 |
| 72.5°  | 100.8 | 100.8  | 100.8 | 100.1 | 100.8 | 102.3 | 103.7 | 104.4 | 105.9 | 106.6 | 108.7 |
| 75°    | 81.5  | 81.5   | 80.1  | 81.5  | 81.5  | 83.0  | 84.4  | 84.4  | 84.4  | 85.8  | 88.0  |
| 77.5°  | 61.5  | 62.2   | 61.5  | 62.9  | 62.9  | 63.7  | 65.1  | 64.4  | 65.8  | 66.5  | 67.2  |
| 80°    | 45.1  | 44.3   | 44.3  | 44.3  | 45.1  | 45.1  | 46.5  | 47.2  | 47.2  | 49.4  | 47.9  |
| 82.5°  | 28.6  | 29.3   | 28.6  | 29.3  | 29.3  | 30.0  | 29.3  | 30.0  | 30.8  | 32.2  | 31.5  |
| 85°    | 16.5  | 15.7   | 15.7  | 16.5  | 15.7  | 15.7  | 16.5  | 15.7  | 16.5  | 15.7  | 16.5  |
| 87.5°  | 6.4   | 5.7    | 5.7   | 5.7   | 5.7   | 5.0   | 5.0   | 4.3   | 4.3   | 4.3   | 3.6   |
| 90°    | 5.1   | 5.7    | 6.8   | 8.9   | 11.1  | 13.2  | 15.4  | 15.2  | 15.0  | 14.8  | 14.6  |
| 92.5°  | 12.8  | 13.2   | 13.3  | 13.4  | 13.5  | 13.6  | 13.7  | 13.8  | 13.9  | 14.0  | 14.1  |
| 95°    | 26.8  | 27.3   | 27.4  | 27.6  | 27.8  | 28.0  | 28.2  | 28.2  | 28.2  | 28.2  | 28.2  |
| 97.5°  | 41.9  | 42.3   | 42.5  | 42.9  | 43.3  | 43.7  | 44.1  | 44.1  | 44.1  | 44.1  | 44.1  |
| 100°   | 59.1  | 59.5   | 59.6  | 59.9  | 60.2  | 60.5  | 60.8  | 60.8  | 60.8  | 60.8  | 60.8  |
| 102.5° | 76.8  | 77.1   | 77.3  | 77.7  | 78.1  | 78.5  | 78.9  | 79.0  | 79.1  | 79.2  | 79.3  |
| 105°   | 95.9  | 96.0   | 96.1  | 96.3  | 96.5  | 96.7  | 96.9  | 97.1  | 97.3  | 97.5  | 97.7  |
| 107.5° | 116.5 | 116.7  | 116.7 | 116.7 | 116.7 | 116.7 | 116.7 | 116.8 | 116.9 | 117.0 | 117.1 |
| 110°   | 136.7 | 137.0  | 137.0 | 137.0 | 137.0 | 137.0 | 137.0 | 137.0 | 137.0 | 137.0 | 137.0 |

TEST NUMBER: P1029512

CATALOG NUMBER: S122DIW-B485D435UB2750-4F0-XX-W2A-A1\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 157.9 | 158.2  | 158.1 | 158.0 | 157.9 | 157.8 | 157.7 | 157.4 | 157.1 | 156.8 | 156.5 |
| 115°   | 178.6 | 178.9  | 178.8 | 178.6 | 178.4 | 178.2 | 178.0 | 177.9 | 177.8 | 177.7 | 177.6 |
| 117.5° | 200.0 | 200.4  | 200.2 | 199.7 | 199.2 | 198.7 | 198.2 | 197.9 | 197.6 | 197.3 | 197.0 |
| 120°   | 220.7 | 221.1  | 220.7 | 219.9 | 219.2 | 218.4 | 217.6 | 217.6 | 217.6 | 217.6 | 217.6 |
| 122.5° | 240.5 | 241.0  | 240.8 | 240.3 | 239.8 | 239.3 | 238.8 | 238.5 | 238.2 | 237.9 | 237.6 |
| 125°   | 260.0 | 260.4  | 260.2 | 259.9 | 259.6 | 259.3 | 259.0 | 258.7 | 258.4 | 258.1 | 257.8 |
| 127.5° | 280.1 | 280.6  | 280.4 | 280.0 | 279.7 | 279.3 | 278.9 | 278.5 | 278.1 | 277.7 | 277.3 |
| 130°   | 299.0 | 299.6  | 299.5 | 299.3 | 299.1 | 298.9 | 298.7 | 298.5 | 298.3 | 298.1 | 297.9 |
| 132.5° | 318.0 | 318.5  | 318.5 | 318.6 | 318.7 | 318.8 | 318.9 | 318.4 | 317.9 | 317.4 | 316.9 |
| 135°   | 336.1 | 336.6  | 336.7 | 336.9 | 337.1 | 337.3 | 337.5 | 337.4 | 337.3 | 337.2 | 337.1 |
| 137.5° | 354.7 | 355.1  | 355.2 | 355.4 | 355.6 | 355.8 | 356.0 | 355.9 | 355.8 | 355.7 | 355.6 |
| 140°   | 371.9 | 372.3  | 372.5 | 373.0 | 373.5 | 374.0 | 374.5 | 374.5 | 374.5 | 374.5 | 374.5 |
| 142.5° | 389.5 | 389.9  | 390.0 | 390.3 | 390.6 | 390.9 | 391.2 | 391.3 | 391.4 | 391.5 | 391.6 |
| 145°   | 405.4 | 405.7  | 406.0 | 406.6 | 407.2 | 407.8 | 408.4 | 408.5 | 408.6 | 408.7 | 408.8 |
| 147.5° | 421.2 | 421.6  | 421.8 | 422.2 | 422.6 | 423.0 | 423.4 | 423.6 | 423.8 | 423.9 | 424.1 |
| 150°   | 435.4 | 435.7  | 435.9 | 436.3 | 436.7 | 437.1 | 437.5 | 437.8 | 438.1 | 438.4 | 438.7 |
| 152.5° | 449.0 | 449.3  | 449.6 | 450.1 | 450.6 | 451.1 | 451.6 | 452.0 | 452.4 | 452.7 | 453.1 |
| 155°   | 461.6 | 461.7  | 461.8 | 462.1 | 462.4 | 462.7 | 463.0 | 463.5 | 464.0 | 464.5 | 465.0 |
| 157.5° | 473.0 | 473.1  | 473.2 | 473.4 | 473.6 | 473.8 | 474.0 | 474.7 | 475.4 | 476.1 | 476.8 |
| 160°   | 483.6 | 483.7  | 483.8 | 483.9 | 484.0 | 484.1 | 484.2 | 484.8 | 485.4 | 485.9 | 486.5 |
| 162.5° | 492.5 | 492.5  | 492.6 | 492.7 | 492.8 | 492.9 | 493.0 | 493.7 | 494.3 | 495.0 | 495.7 |
| 165°   | 500.5 | 500.4  | 500.4 | 500.4 | 500.4 | 500.4 | 500.4 | 501.1 | 501.8 | 502.5 | 503.2 |
| 167.5° | 507.2 | 507.1  | 507.1 | 507.1 | 507.1 | 507.1 | 507.1 | 507.8 | 508.4 | 509.1 | 509.8 |
| 170°   | 512.9 | 512.8  | 512.7 | 512.6 | 512.5 | 512.4 | 512.3 | 513.0 | 513.7 | 514.4 | 515.1 |
| 172.5° | 516.9 | 516.7  | 516.7 | 516.6 | 516.5 | 516.4 | 516.3 | 517.0 | 517.7 | 518.4 | 519.1 |
| 175°   | 520.0 | 519.8  | 519.7 | 519.5 | 519.4 | 519.2 | 519.0 | 519.7 | 520.3 | 521.0 | 521.7 |
| 177.5° | 521.7 | 521.6  | 521.5 | 521.3 | 521.1 | 520.9 | 520.7 | 521.3 | 521.9 | 522.5 | 523.1 |
| 180°   | 522.0 | 522.0  | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 |

TEST NUMBER: P1029512

CATALOG NUMBER: S122DIW-B485D435UB2750-4F0-XX-W2A-A1\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0°     | 930.5  | 930.5 | 930.5 | 930.5 | 930.5 | 930.5 | 930.5 | 930.5 | 930.5 | 930.5 | 930.5  |
| 2.5°   | 886.9  | 889.0 | 884.0 | 882.6 | 884.0 | 879.0 | 880.4 | 881.9 | 881.9 | 884.0 | 885.5  |
| 5°     | 835.4  | 832.5 | 827.5 | 826.1 | 824.7 | 826.8 | 825.4 | 827.5 | 828.2 | 833.2 | 834.0  |
| 7.5°   | 784.6  | 780.3 | 776.0 | 771.7 | 770.3 | 766.7 | 770.3 | 770.3 | 775.3 | 773.9 | 777.5  |
| 10°    | 724.5  | 723.8 | 718.1 | 715.9 | 713.1 | 707.4 | 715.2 | 713.1 | 716.7 | 723.1 | 724.5  |
| 12.5°  | 680.2  | 672.3 | 675.9 | 665.9 | 669.5 | 663.7 | 664.4 | 664.4 | 670.2 | 670.9 | 669.5  |
| 15°    | 638.0  | 631.5 | 622.3 | 618.0 | 615.8 | 613.0 | 622.3 | 623.0 | 618.7 | 628.7 | 625.1  |
| 17.5°  | 595.1  | 595.1 | 586.5 | 584.3 | 578.6 | 581.5 | 580.1 | 580.8 | 579.3 | 586.5 | 590.1  |
| 20°    | 557.9  | 554.3 | 551.4 | 552.2 | 545.0 | 543.6 | 542.1 | 543.6 | 548.6 | 553.6 | 555.0  |
| 22.5°  | 527.8  | 525.7 | 518.5 | 520.0 | 514.3 | 516.4 | 515.0 | 518.5 | 519.3 | 519.3 | 524.3  |
| 25°    | 499.2  | 496.4 | 497.1 | 494.2 | 492.1 | 492.1 | 489.9 | 492.1 | 494.9 | 496.4 | 497.1  |
| 27.5°  | 477.8  | 475.6 | 472.1 | 469.9 | 471.3 | 467.8 | 470.6 | 472.8 | 472.8 | 471.3 | 472.8  |
| 30°    | 452.0  | 453.5 | 453.5 | 446.3 | 449.2 | 447.7 | 449.9 | 451.3 | 451.3 | 452.0 | 450.6  |
| 32.5°  | 434.9  | 430.6 | 429.9 | 429.1 | 429.1 | 426.3 | 426.3 | 428.4 | 429.1 | 429.9 | 432.0  |
| 35°    | 412.0  | 412.0 | 408.4 | 410.5 | 407.7 | 408.4 | 407.7 | 408.4 | 409.8 | 407.7 | 409.8  |
| 37.5°  | 391.2  | 391.9 | 390.5 | 391.9 | 392.7 | 391.2 | 389.8 | 392.7 | 391.2 | 391.2 | 389.8  |
| 40°    | 373.4  | 372.6 | 373.4 | 373.4 | 373.4 | 374.1 | 372.6 | 372.6 | 372.6 | 371.2 | 369.8  |
| 42.5°  | 358.3  | 354.0 | 355.5 | 356.2 | 354.0 | 354.0 | 354.8 | 354.0 | 356.2 | 351.9 | 351.9  |
| 45°    | 336.9  | 335.4 | 336.2 | 336.2 | 337.6 | 335.4 | 336.9 | 337.6 | 335.4 | 334.7 | 333.3  |
| 47.5°  | 317.6  | 319.0 | 317.6 | 319.0 | 319.0 | 320.4 | 317.6 | 318.3 | 319.0 | 316.1 | 314.0  |
| 50°    | 298.3  | 298.3 | 300.4 | 299.7 | 300.4 | 299.0 | 299.0 | 298.3 | 299.0 | 297.5 | 295.4  |
| 52.5°  | 280.4  | 278.2 | 281.8 | 281.1 | 280.4 | 279.7 | 278.9 | 279.7 | 278.2 | 276.8 | 276.8  |
| 55°    | 258.2  | 258.2 | 260.3 | 261.1 | 261.1 | 259.6 | 258.2 | 258.9 | 258.2 | 257.5 | 256.8  |
| 57.5°  | 240.3  | 237.5 | 238.9 | 239.6 | 239.6 | 237.5 | 238.9 | 237.5 | 237.5 | 238.2 | 236.0  |
| 60°    | 217.4  | 217.4 | 216.0 | 218.1 | 218.1 | 216.7 | 216.7 | 217.4 | 216.0 | 215.3 | 214.6  |
| 62.5°  | 193.1  | 193.8 | 196.0 | 196.7 | 197.4 | 196.0 | 194.5 | 195.3 | 195.3 | 193.1 | 193.8  |
| 65°    | 172.4  | 173.8 | 176.7 | 175.9 | 174.5 | 175.2 | 173.8 | 174.5 | 172.4 | 173.1 | 170.9  |
| 67.5°  | 152.3  | 151.6 | 152.3 | 152.3 | 153.8 | 153.1 | 151.6 | 151.6 | 150.9 | 153.1 | 150.9  |
| 70°    | 130.9  | 130.9 | 130.9 | 130.9 | 131.6 | 132.3 | 130.9 | 129.5 | 130.2 | 128.7 | 128.0  |
| 72.5°  | 108.7  | 109.4 | 108.7 | 110.1 | 108.0 | 109.4 | 109.4 | 108.7 | 108.0 | 108.0 | 108.0  |
| 75°    | 88.0   | 89.4  | 87.3  | 88.0  | 87.3  | 88.7  | 88.0  | 88.0  | 86.5  | 85.8  | 86.5   |
| 77.5°  | 67.2   | 67.9  | 66.5  | 67.2  | 66.5  | 67.2  | 67.2  | 66.5  | 66.5  | 66.5  | 66.5   |
| 80°    | 47.9   | 48.6  | 47.9  | 47.2  | 46.5  | 47.9  | 46.5  | 47.2  | 47.9  | 47.2  | 48.6   |
| 82.5°  | 30.8   | 30.8  | 30.0  | 30.8  | 29.3  | 29.3  | 30.0  | 30.0  | 29.3  | 30.8  | 29.3   |
| 85°    | 15.0   | 15.0  | 16.5  | 15.0  | 14.3  | 14.3  | 14.3  | 15.0  | 14.3  | 15.7  | 15.0   |
| 87.5°  | 3.6    | 2.9   | 3.6   | 3.6   | 2.9   | 2.9   | 3.6   | 2.9   | 3.6   | 4.3   | 2.9    |
| 90°    | 14.5   | 14.6  | 14.7  | 14.8  | 14.9  | 15.0  | 14.9  | 14.8  | 14.7  | 14.6  | 14.5   |
| 92.5°  | 14.1   | 14.1  | 14.1  | 14.1  | 14.1  | 14.1  | 14.1  | 14.1  | 14.1  | 14.1  | 14.1   |
| 95°    | 28.2   | 28.1  | 27.9  | 27.7  | 27.5  | 27.3  | 27.5  | 27.7  | 27.9  | 28.1  | 28.2   |
| 97.5°  | 44.1   | 44.1  | 44.1  | 44.1  | 44.1  | 44.1  | 44.1  | 44.1  | 44.1  | 44.1  | 44.1   |
| 100°   | 60.8   | 60.8  | 60.7  | 60.6  | 60.5  | 60.4  | 60.5  | 60.6  | 60.7  | 60.8  | 60.8   |
| 102.5° | 79.3   | 79.3  | 79.2  | 79.1  | 79.0  | 78.9  | 79.0  | 79.1  | 79.2  | 79.3  | 79.3   |
| 105°   | 97.8   | 97.8  | 97.8  | 97.8  | 97.8  | 97.8  | 97.8  | 97.8  | 97.8  | 97.8  | 97.8   |
| 107.5° | 117.2  | 117.0 | 116.5 | 116.0 | 115.5 | 115.0 | 115.5 | 116.0 | 116.5 | 117.0 | 117.2  |
| 110°   | 137.0  | 136.9 | 136.6 | 136.3 | 136.0 | 135.7 | 136.0 | 136.3 | 136.6 | 136.9 | 137.0  |



TEST NUMBER: P1029512

CATALOG NUMBER: S122DIW-B485D435UB2750-4F0-XX-W2A-A1\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 156.4  | 156.3 | 156.1 | 155.9 | 155.7 | 155.5 | 155.7 | 155.9 | 156.1 | 156.3 | 156.4  |
| 115°   | 177.5  | 177.4 | 177.1 | 176.8 | 176.5 | 176.2 | 176.5 | 176.8 | 177.1 | 177.4 | 177.5  |
| 117.5° | 196.9  | 196.8 | 196.5 | 196.2 | 195.9 | 195.6 | 195.9 | 196.2 | 196.5 | 196.8 | 196.9  |
| 120°   | 217.6  | 217.5 | 217.2 | 216.9 | 216.6 | 216.3 | 216.6 | 216.9 | 217.2 | 217.5 | 217.6  |
| 122.5° | 237.4  | 237.3 | 237.1 | 237.0 | 236.8 | 236.6 | 236.8 | 237.0 | 237.1 | 237.3 | 237.4  |
| 125°   | 257.7  | 257.7 | 257.6 | 257.5 | 257.4 | 257.3 | 257.4 | 257.5 | 257.6 | 257.7 | 257.7  |
| 127.5° | 277.1  | 277.0 | 276.7 | 276.4 | 276.1 | 275.8 | 276.1 | 276.4 | 276.7 | 277.0 | 277.1  |
| 130°   | 297.8  | 297.6 | 297.2 | 296.8 | 296.4 | 296.0 | 296.4 | 296.8 | 297.2 | 297.6 | 297.8  |
| 132.5° | 316.7  | 316.6 | 316.3 | 316.0 | 315.7 | 315.4 | 315.7 | 316.0 | 316.3 | 316.6 | 316.7  |
| 135°   | 337.0  | 336.9 | 336.6 | 336.3 | 336.0 | 335.7 | 336.0 | 336.3 | 336.6 | 336.9 | 337.0  |
| 137.5° | 355.5  | 355.3 | 354.9 | 354.6 | 354.2 | 353.8 | 354.2 | 354.6 | 354.9 | 355.3 | 355.5  |
| 140°   | 374.5  | 374.3 | 373.9 | 373.5 | 373.1 | 372.7 | 373.1 | 373.5 | 373.9 | 374.3 | 374.5  |
| 142.5° | 391.6  | 391.4 | 391.0 | 390.7 | 390.3 | 389.9 | 390.3 | 390.7 | 391.0 | 391.4 | 391.6  |
| 145°   | 408.8  | 408.6 | 408.2 | 407.9 | 407.5 | 407.1 | 407.5 | 407.9 | 408.2 | 408.6 | 408.8  |
| 147.5° | 424.2  | 424.0 | 423.6 | 423.3 | 422.9 | 422.5 | 422.9 | 423.3 | 423.6 | 424.0 | 424.2  |
| 150°   | 438.8  | 438.7 | 438.4 | 438.1 | 437.8 | 437.5 | 437.8 | 438.1 | 438.4 | 438.7 | 438.8  |
| 152.5° | 453.3  | 453.1 | 452.7 | 452.4 | 452.0 | 451.6 | 452.0 | 452.4 | 452.7 | 453.1 | 453.3  |
| 155°   | 465.2  | 465.1 | 464.8 | 464.5 | 464.2 | 463.9 | 464.2 | 464.5 | 464.8 | 465.1 | 465.2  |
| 157.5° | 477.1  | 476.9 | 476.4 | 475.9 | 475.4 | 474.9 | 475.4 | 475.9 | 476.4 | 476.9 | 477.1  |
| 160°   | 486.8  | 486.6 | 486.2 | 485.8 | 485.4 | 485.0 | 485.4 | 485.8 | 486.2 | 486.6 | 486.8  |
| 162.5° | 496.0  | 495.8 | 495.3 | 494.8 | 494.3 | 493.8 | 494.3 | 494.8 | 495.3 | 495.8 | 496.0  |
| 165°   | 503.5  | 503.3 | 502.8 | 502.3 | 501.8 | 501.3 | 501.8 | 502.3 | 502.8 | 503.3 | 503.5  |
| 167.5° | 510.1  | 509.9 | 509.4 | 508.9 | 508.4 | 507.9 | 508.4 | 508.9 | 509.4 | 509.9 | 510.1  |
| 170°   | 515.4  | 515.1 | 514.5 | 514.0 | 513.4 | 512.8 | 513.4 | 514.0 | 514.5 | 515.1 | 515.4  |
| 172.5° | 519.4  | 519.1 | 518.5 | 517.9 | 517.3 | 516.7 | 517.3 | 517.9 | 518.5 | 519.1 | 519.4  |
| 175°   | 522.0  | 521.7 | 521.1 | 520.6 | 520.0 | 519.4 | 520.0 | 520.6 | 521.1 | 521.7 | 522.0  |
| 177.5° | 523.4  | 523.1 | 522.5 | 521.9 | 521.3 | 520.7 | 521.3 | 521.9 | 522.5 | 523.1 | 523.4  |
| 180°   | 522.0  | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0  |

TEST NUMBER: P1029512

CATALOG NUMBER: S122DIW-B485D435UB2750-4F0-XX-W2A-A1\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 0°     | 930.5 | 930.5 | 930.5 | 930.5 | 930.5 | 930.5 | 930.5 | 930.5 | 930.5 | 930.5  | 930.5 |
| 2.5°   | 883.3 | 889.0 | 886.9 | 879.0 | 888.3 | 888.3 | 894.8 | 894.8 | 902.6 | 905.5  | 909.8 |
| 5°     | 833.2 | 837.5 | 841.1 | 837.5 | 844.0 | 854.0 | 859.7 | 864.7 | 875.4 | 879.7  | 886.2 |
| 7.5°   | 779.6 | 787.5 | 791.0 | 791.0 | 801.8 | 813.2 | 824.7 | 831.8 | 846.8 | 852.6  | 859.0 |
| 10°    | 727.4 | 736.7 | 743.8 | 743.1 | 761.0 | 768.2 | 782.5 | 798.9 | 813.9 | 822.5  | 831.8 |
| 12.5°  | 672.3 | 677.3 | 687.3 | 701.6 | 705.9 | 718.8 | 735.3 | 756.0 | 783.2 | 791.0  | 804.6 |
| 15°    | 626.5 | 640.1 | 648.0 | 654.4 | 664.4 | 676.6 | 694.5 | 714.5 | 741.7 | 758.9  | 773.2 |
| 17.5°  | 587.9 | 605.8 | 610.8 | 609.4 | 622.3 | 640.8 | 661.6 | 676.6 | 700.9 | 721.7  | 735.3 |
| 20°    | 556.4 | 563.6 | 572.2 | 575.8 | 585.8 | 605.8 | 625.8 | 643.0 | 663.0 | 679.5  | 695.2 |
| 22.5°  | 525.0 | 530.7 | 537.9 | 544.3 | 552.2 | 563.6 | 582.9 | 604.4 | 623.7 | 639.4  | 657.3 |
| 25°    | 499.2 | 502.8 | 509.2 | 514.3 | 522.8 | 530.7 | 544.3 | 567.9 | 590.8 | 600.1  | 615.8 |
| 27.5°  | 474.2 | 477.1 | 481.4 | 487.1 | 491.4 | 499.2 | 511.4 | 530.7 | 554.3 | 563.6  | 585.1 |
| 30°    | 452.0 | 454.2 | 458.5 | 461.3 | 463.5 | 472.8 | 482.1 | 497.1 | 515.0 | 527.8  | 543.6 |
| 32.5°  | 431.3 | 433.4 | 437.7 | 438.4 | 441.3 | 446.3 | 454.9 | 468.5 | 484.2 | 494.9  | 508.5 |
| 35°    | 408.4 | 409.8 | 414.1 | 415.5 | 417.7 | 422.0 | 428.4 | 438.4 | 452.7 | 460.6  | 472.8 |
| 37.5°  | 390.5 | 389.8 | 392.7 | 394.8 | 397.7 | 399.8 | 402.0 | 412.0 | 422.7 | 429.9  | 439.2 |
| 40°    | 371.2 | 369.8 | 370.5 | 373.4 | 374.8 | 377.6 | 377.6 | 387.7 | 394.8 | 400.5  | 407.7 |
| 42.5°  | 351.9 | 351.2 | 349.7 | 351.2 | 352.6 | 353.3 | 354.0 | 361.2 | 368.3 | 373.4  | 381.2 |
| 45°    | 332.6 | 331.9 | 330.4 | 331.2 | 331.2 | 332.6 | 334.7 | 337.6 | 342.6 | 346.9  | 351.2 |
| 47.5°  | 314.7 | 313.3 | 311.1 | 310.4 | 311.8 | 311.8 | 311.8 | 314.7 | 319.7 | 321.1  | 325.4 |
| 50°    | 296.1 | 294.0 | 291.1 | 289.7 | 289.7 | 289.0 | 290.4 | 291.1 | 295.4 | 296.8  | 300.4 |
| 52.5°  | 276.1 | 274.6 | 271.8 | 268.9 | 269.6 | 268.2 | 268.9 | 269.6 | 271.1 | 273.2  | 275.4 |
| 55°    | 256.1 | 253.2 | 251.0 | 250.3 | 248.2 | 248.2 | 246.0 | 248.9 | 248.2 | 248.9  | 251.8 |
| 57.5°  | 236.7 | 233.9 | 230.3 | 228.9 | 226.7 | 226.0 | 224.6 | 223.9 | 224.6 | 226.7  | 228.9 |
| 60°    | 213.9 | 212.4 | 210.3 | 208.1 | 206.7 | 204.6 | 203.1 | 203.1 | 202.4 | 202.4  | 203.1 |
| 62.5°  | 191.7 | 191.0 | 188.1 | 187.4 | 186.0 | 184.5 | 182.4 | 181.0 | 181.0 | 182.4  | 183.1 |
| 65°    | 170.2 | 169.5 | 167.4 | 166.6 | 163.1 | 161.6 | 160.9 | 160.2 | 158.8 | 158.8  | 158.8 |
| 67.5°  | 150.2 | 148.1 | 148.1 | 144.5 | 141.6 | 140.2 | 138.8 | 138.0 | 138.0 | 138.0  | 138.8 |
| 70°    | 128.0 | 128.0 | 125.9 | 123.7 | 120.9 | 121.6 | 119.4 | 117.3 | 117.3 | 115.9  | 116.6 |
| 72.5°  | 106.6 | 105.9 | 103.7 | 103.0 | 100.8 | 98.7  | 97.3  | 98.7  | 96.6  | 95.8   | 96.6  |
| 75°    | 85.8  | 85.1  | 83.7  | 82.3  | 83.0  | 80.8  | 78.7  | 78.0  | 78.0  | 76.5   | 76.5  |
| 77.5°  | 65.8  | 67.2  | 64.4  | 63.7  | 62.2  | 60.8  | 60.1  | 59.4  | 59.4  | 59.4   | 60.8  |
| 80°    | 45.8  | 46.5  | 46.5  | 45.1  | 45.8  | 43.6  | 43.6  | 43.6  | 41.5  | 42.2   | 42.9  |
| 82.5°  | 29.3  | 29.3  | 28.6  | 29.3  | 28.6  | 28.6  | 27.9  | 27.9  | 27.2  | 27.2   | 27.9  |
| 85°    | 16.5  | 15.7  | 15.0  | 16.5  | 15.7  | 15.7  | 15.0  | 15.0  | 15.0  | 15.0   | 15.0  |
| 87.5°  | 3.6   | 4.3   | 4.3   | 4.3   | 4.3   | 5.0   | 5.0   | 5.0   | 5.7   | 5.7    | 5.7   |
| 90°    | 14.6  | 14.8  | 15.0  | 15.2  | 15.4  | 13.2  | 11.1  | 8.9   | 6.8   | 5.7    | 5.1   |
| 92.5°  | 14.1  | 14.0  | 13.9  | 13.8  | 13.7  | 13.6  | 13.5  | 13.4  | 13.3  | 13.2   | 12.8  |
| 95°    | 28.2  | 28.2  | 28.2  | 28.2  | 28.2  | 28.0  | 27.8  | 27.6  | 27.4  | 27.3   | 26.8  |
| 97.5°  | 44.1  | 44.1  | 44.1  | 44.1  | 44.1  | 43.7  | 43.3  | 42.9  | 42.5  | 42.3   | 41.9  |
| 100°   | 60.8  | 60.8  | 60.8  | 60.8  | 60.8  | 60.5  | 60.2  | 59.9  | 59.6  | 59.5   | 59.1  |
| 102.5° | 79.3  | 79.2  | 79.1  | 79.0  | 78.9  | 78.5  | 78.1  | 77.7  | 77.3  | 77.1   | 76.8  |
| 105°   | 97.7  | 97.5  | 97.3  | 97.1  | 96.9  | 96.7  | 96.5  | 96.3  | 96.1  | 96.0   | 95.9  |
| 107.5° | 117.1 | 117.0 | 116.9 | 116.8 | 116.7 | 116.7 | 116.7 | 116.7 | 116.7 | 116.7  | 116.5 |
| 110°   | 137.0 | 137.0 | 137.0 | 137.0 | 137.0 | 137.0 | 137.0 | 137.0 | 137.0 | 137.0  | 136.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 156.5 | 156.8 | 157.1 | 157.4 | 157.7 | 157.8 | 157.9 | 158.0 | 158.1 | 158.2  | 157.9 |
| 115°   | 177.6 | 177.7 | 177.8 | 177.9 | 178.0 | 178.2 | 178.4 | 178.6 | 178.8 | 178.9  | 178.6 |
| 117.5° | 197.0 | 197.3 | 197.6 | 197.9 | 198.2 | 198.7 | 199.2 | 199.7 | 200.2 | 200.4  | 200.0 |
| 120°   | 217.6 | 217.6 | 217.6 | 217.6 | 217.6 | 218.4 | 219.2 | 219.9 | 220.7 | 221.1  | 220.7 |
| 122.5° | 237.6 | 237.9 | 238.2 | 238.5 | 238.8 | 239.3 | 239.8 | 240.3 | 240.8 | 241.0  | 240.5 |
| 125°   | 257.8 | 258.1 | 258.4 | 258.7 | 259.0 | 259.3 | 259.6 | 259.9 | 260.2 | 260.4  | 260.0 |
| 127.5° | 277.3 | 277.7 | 278.1 | 278.5 | 278.9 | 279.3 | 279.7 | 280.0 | 280.4 | 280.6  | 280.1 |
| 130°   | 297.9 | 298.1 | 298.3 | 298.5 | 298.7 | 298.9 | 299.1 | 299.3 | 299.5 | 299.6  | 299.0 |
| 132.5° | 316.9 | 317.4 | 317.9 | 318.4 | 318.9 | 318.8 | 318.7 | 318.6 | 318.5 | 318.5  | 318.0 |
| 135°   | 337.1 | 337.2 | 337.3 | 337.4 | 337.5 | 337.3 | 337.1 | 336.9 | 336.7 | 336.6  | 336.1 |
| 137.5° | 355.6 | 355.7 | 355.8 | 355.9 | 356.0 | 355.8 | 355.6 | 355.4 | 355.2 | 355.1  | 354.7 |
| 140°   | 374.5 | 374.5 | 374.5 | 374.5 | 374.5 | 374.0 | 373.5 | 373.0 | 372.5 | 372.3  | 371.9 |
| 142.5° | 391.6 | 391.5 | 391.4 | 391.3 | 391.2 | 390.9 | 390.6 | 390.3 | 390.0 | 389.9  | 389.5 |
| 145°   | 408.8 | 408.7 | 408.6 | 408.5 | 408.4 | 407.8 | 407.2 | 406.6 | 406.0 | 405.7  | 405.4 |
| 147.5° | 424.1 | 423.9 | 423.8 | 423.6 | 423.4 | 423.0 | 422.6 | 422.2 | 421.8 | 421.6  | 421.2 |
| 150°   | 438.7 | 438.4 | 438.1 | 437.8 | 437.5 | 437.1 | 436.7 | 436.3 | 435.9 | 435.7  | 435.4 |
| 152.5° | 453.1 | 452.7 | 452.4 | 452.0 | 451.6 | 451.1 | 450.6 | 450.1 | 449.6 | 449.3  | 449.0 |
| 155°   | 465.0 | 464.5 | 464.0 | 463.5 | 463.0 | 462.7 | 462.4 | 462.1 | 461.8 | 461.7  | 461.6 |
| 157.5° | 476.8 | 476.1 | 475.4 | 474.7 | 474.0 | 473.8 | 473.6 | 473.4 | 473.2 | 473.1  | 473.0 |
| 160°   | 486.5 | 485.9 | 485.4 | 484.8 | 484.2 | 484.1 | 484.0 | 483.9 | 483.8 | 483.7  | 483.6 |
| 162.5° | 495.7 | 495.0 | 494.3 | 493.7 | 493.0 | 492.9 | 492.8 | 492.7 | 492.6 | 492.5  | 492.5 |
| 165°   | 503.2 | 502.5 | 501.8 | 501.1 | 500.4 | 500.4 | 500.4 | 500.4 | 500.4 | 500.4  | 500.5 |
| 167.5° | 509.8 | 509.1 | 508.4 | 507.8 | 507.1 | 507.1 | 507.1 | 507.1 | 507.1 | 507.1  | 507.2 |
| 170°   | 515.1 | 514.4 | 513.7 | 513.0 | 512.3 | 512.4 | 512.5 | 512.6 | 512.7 | 512.8  | 512.9 |
| 172.5° | 519.1 | 518.4 | 517.7 | 517.0 | 516.3 | 516.4 | 516.5 | 516.6 | 516.7 | 516.7  | 516.9 |
| 175°   | 521.7 | 521.0 | 520.3 | 519.7 | 519.0 | 519.2 | 519.4 | 519.5 | 519.7 | 519.8  | 520.0 |
| 177.5° | 523.1 | 522.5 | 521.9 | 521.3 | 520.7 | 520.9 | 521.1 | 521.3 | 521.5 | 521.6  | 521.7 |
| 180°   | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0 | 522.0  | 522.0 |

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**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 0°     | 930.5 | 930.5 | 930.5 | 930.5 |
| 2.5°   | 913.3 | 913.3 | 924.1 | 935.5 |
| 5°     | 893.3 | 898.3 | 915.5 | 931.2 |
| 7.5°   | 874.0 | 882.6 | 904.1 | 924.1 |
| 10°    | 850.4 | 861.9 | 888.3 | 911.9 |
| 12.5°  | 827.5 | 838.3 | 869.0 | 895.5 |
| 15°    | 795.3 | 808.9 | 841.8 | 874.7 |
| 17.5°  | 763.2 | 776.7 | 816.8 | 855.4 |
| 20°    | 725.2 | 743.1 | 788.2 | 839.7 |
| 22.5°  | 690.2 | 712.4 | 762.4 | 803.9 |
| 25°    | 651.6 | 685.9 | 732.4 | 786.0 |
| 27.5°  | 617.2 | 651.6 | 698.8 | 753.1 |
| 30°    | 578.6 | 613.7 | 662.3 | 712.4 |
| 32.5°  | 541.4 | 573.6 | 620.8 | 682.3 |
| 35°    | 502.8 | 533.6 | 579.3 | 641.6 |
| 37.5°  | 467.8 | 497.8 | 547.9 | 605.1 |
| 40°    | 433.4 | 464.9 | 507.8 | 565.0 |
| 42.5°  | 401.2 | 429.1 | 467.8 | 525.0 |
| 45°    | 371.9 | 391.9 | 427.7 | 481.4 |
| 47.5°  | 341.2 | 359.0 | 391.9 | 445.6 |
| 50°    | 312.6 | 327.6 | 356.2 | 406.3 |
| 52.5°  | 284.7 | 297.5 | 324.0 | 364.1 |
| 55°    | 259.6 | 271.8 | 291.1 | 330.4 |
| 57.5°  | 233.9 | 243.2 | 261.8 | 293.2 |
| 60°    | 208.8 | 217.4 | 232.4 | 258.2 |
| 62.5°  | 183.8 | 191.0 | 205.3 | 226.0 |
| 65°    | 161.6 | 167.4 | 178.1 | 196.0 |
| 67.5°  | 140.2 | 143.8 | 152.3 | 166.6 |
| 70°    | 119.4 | 122.3 | 129.5 | 140.9 |
| 72.5°  | 97.3  | 100.1 | 108.0 | 115.9 |
| 75°    | 78.7  | 79.4  | 85.1  | 91.5  |
| 77.5°  | 61.5  | 60.8  | 65.1  | 70.1  |
| 80°    | 42.2  | 44.3  | 47.9  | 50.1  |
| 82.5°  | 28.6  | 29.3  | 30.8  | 32.2  |
| 85°    | 15.7  | 16.5  | 16.5  | 18.6  |
| 87.5°  | 6.4   | 7.2   | 7.2   | 7.9   |
| 90°    | 3.9   | 2.8   | 1.6   | 0.4   |
| 92.5°  | 12.0  | 11.3  | 10.5  | 9.7   |
| 95°    | 25.8  | 24.9  | 23.9  | 22.9  |
| 97.5°  | 41.0  | 40.1  | 39.2  | 38.3  |
| 100°   | 58.3  | 57.5  | 56.7  | 55.9  |
| 102.5° | 76.2  | 75.7  | 75.1  | 74.5  |
| 105°   | 95.6  | 95.3  | 95.0  | 94.7  |
| 107.5° | 116.1 | 115.8 | 115.4 | 115.0 |
| 110°   | 136.1 | 135.6 | 135.0 | 134.4 |

TEST NUMBER: P1029512

CATALOG NUMBER: S122DIW-B485D435UB2750-4F0-XX-W2A-A1\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 157.3 | 156.7 | 156.1 | 155.5 |
| 115°   | 178.0 | 177.4 | 176.8 | 176.2 |
| 117.5° | 199.2 | 198.5 | 197.7 | 196.9 |
| 120°   | 219.9 | 219.2 | 218.4 | 217.6 |
| 122.5° | 239.5 | 238.6 | 237.6 | 236.6 |
| 125°   | 259.1 | 258.2 | 257.3 | 256.4 |
| 127.5° | 279.0 | 277.9 | 276.9 | 275.8 |
| 130°   | 297.7 | 296.4 | 295.1 | 293.8 |
| 132.5° | 317.0 | 316.1 | 315.1 | 314.1 |
| 135°   | 335.0 | 333.9 | 332.8 | 331.7 |
| 137.5° | 353.8 | 352.9 | 352.0 | 351.1 |
| 140°   | 371.0 | 370.1 | 369.2 | 368.3 |
| 142.5° | 388.6 | 387.7 | 386.8 | 385.9 |
| 145°   | 404.7 | 404.0 | 403.4 | 402.7 |
| 147.5° | 420.3 | 419.4 | 418.5 | 417.6 |
| 150°   | 434.8 | 434.2 | 433.6 | 433.0 |
| 152.5° | 448.4 | 447.9 | 447.3 | 446.7 |
| 155°   | 461.3 | 461.0 | 460.7 | 460.4 |
| 157.5° | 472.8 | 472.7 | 472.5 | 472.3 |
| 160°   | 483.4 | 483.2 | 483.0 | 482.8 |
| 162.5° | 492.5 | 492.5 | 492.5 | 492.5 |
| 165°   | 500.6 | 500.7 | 500.8 | 500.9 |
| 167.5° | 507.5 | 507.8 | 508.1 | 508.4 |
| 170°   | 513.2 | 513.5 | 513.8 | 514.1 |
| 172.5° | 517.2 | 517.5 | 517.8 | 518.1 |
| 175°   | 520.3 | 520.6 | 520.9 | 521.2 |
| 177.5° | 522.0 | 522.3 | 522.6 | 522.9 |
| 180°   | 522.0 | 522.0 | 522.0 | 522.0 |

(END OF REPORT)