

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: P1011705

Luminaire Tested: S123DIP-B560D1025UB40-4F0-XX-W2A-A4

Issue Date: 5/6/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1011705  
REPORT IS A COMBINATION OF REPORTS P989963 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S123DIP-B560D1025UB40-4F0-XX-W2A-A4  
Description: Define 3 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}  
Light Source: -  
Ballast/Driver: -

**Summary**

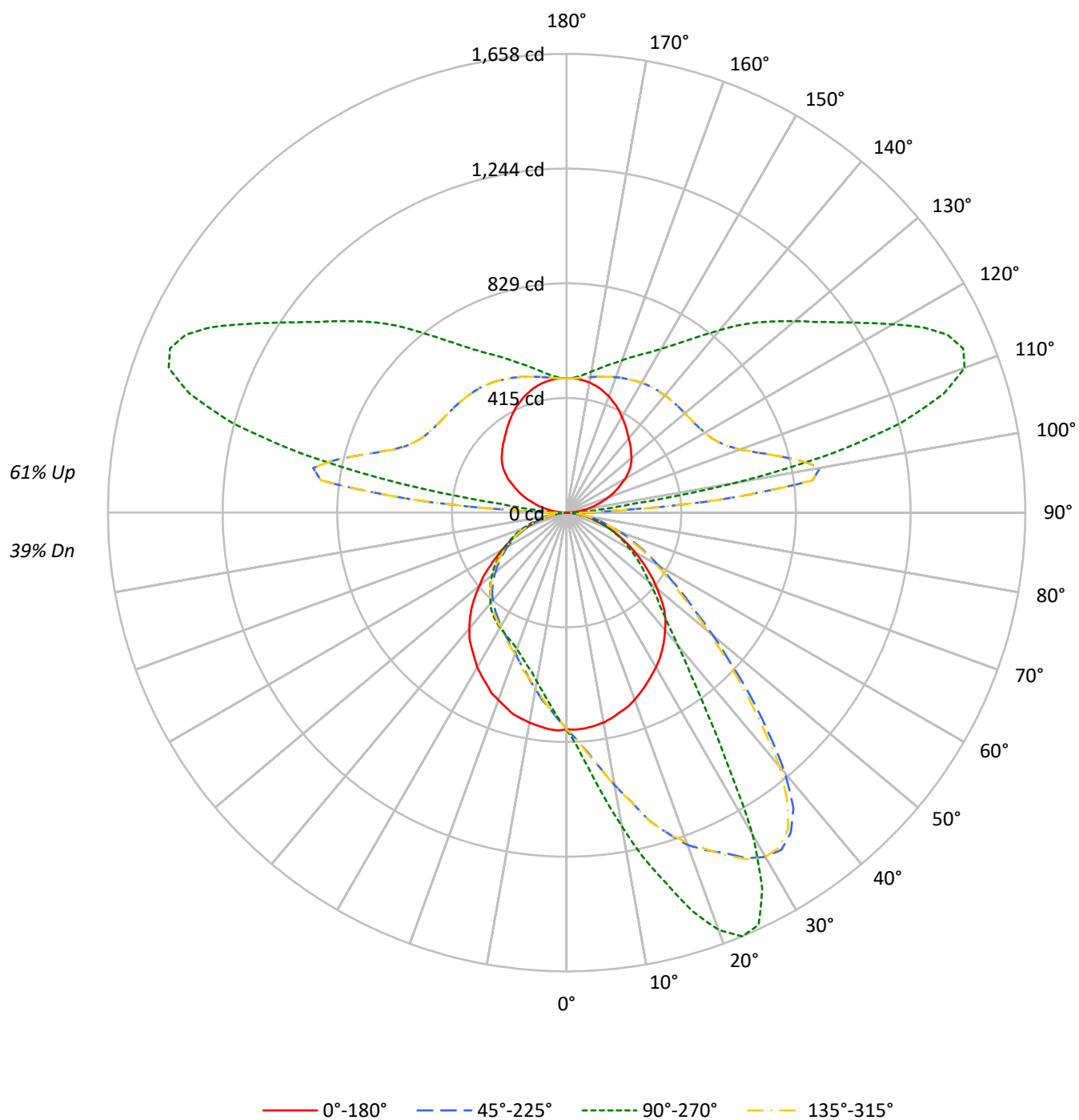
Lumens per Lamp: N/A  
Luminaire Lumens: 6017.0 lumens  
Efficiency: N/A  
Efficacy: 114.6 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')  
CIE Type: Semi-Indirect

Input Watts (W): 52.5  
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: P1011705

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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    |    | 20 |    |    |    |    | 20 |    |    |    |    | 20 |
| RC  | 80  |     |     |     | 70 |    |    |    |    | 50 |    |    |    |    | 30 |    |    |    |    | 0  |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 105 | 105 | 105 | 105 | 95 | 95 | 95 | 95 | 77 | 77 | 77 | 61 | 61 | 61 | 46 | 46 | 46 | 39 |    |    |
| 1   | 96  | 91  | 88  | 84  | 87 | 83 | 80 | 77 | 68 | 66 | 64 | 54 | 53 | 51 | 41 | 40 | 40 | 34 |    |    |
| 2   | 87  | 80  | 74  | 69  | 79 | 73 | 68 | 64 | 60 | 56 | 53 | 48 | 45 | 43 | 37 | 35 | 34 | 28 |    |    |
| 3   | 80  | 70  | 63  | 58  | 72 | 64 | 58 | 53 | 53 | 49 | 45 | 42 | 39 | 37 | 33 | 31 | 29 | 24 |    |    |
| 4   | 73  | 62  | 55  | 49  | 66 | 57 | 50 | 45 | 47 | 42 | 38 | 38 | 34 | 32 | 29 | 27 | 25 | 21 |    |    |
| 5   | 67  | 56  | 48  | 42  | 61 | 51 | 44 | 39 | 42 | 37 | 33 | 34 | 30 | 27 | 26 | 24 | 22 | 18 |    |    |
| 6   | 62  | 50  | 42  | 36  | 56 | 46 | 39 | 34 | 38 | 33 | 29 | 31 | 27 | 24 | 24 | 21 | 19 | 16 |    |    |
| 7   | 57  | 45  | 37  | 32  | 52 | 41 | 34 | 30 | 34 | 29 | 25 | 28 | 24 | 21 | 22 | 19 | 17 | 14 |    |    |
| 8   | 53  | 41  | 33  | 28  | 48 | 37 | 31 | 26 | 31 | 26 | 22 | 25 | 22 | 19 | 20 | 17 | 15 | 13 |    |    |
| 9   | 49  | 37  | 30  | 25  | 45 | 34 | 28 | 23 | 29 | 24 | 20 | 23 | 20 | 17 | 18 | 16 | 14 | 12 |    |    |
| 10  | 46  | 34  | 27  | 22  | 42 | 31 | 25 | 21 | 26 | 21 | 18 | 22 | 18 | 15 | 17 | 14 | 13 | 10 |    |    |

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

|     | 0°   | 90°   | 180° | 270° |
|-----|------|-------|------|------|
| 0°  | 8427 | 8427  | 8427 | 8427 |
| 5°  | 8433 | 9710  | 8457 | 7247 |
| 10° | 8379 | 11751 | 8388 | 6328 |
| 15° | 8263 | 13935 | 8331 | 5697 |
| 20° | 8164 | 16043 | 8181 | 5241 |
| 25° | 8016 | 16448 | 8034 | 5005 |
| 30° | 7910 | 13589 | 7910 | 4849 |
| 35° | 7780 | 9088  | 7730 | 4712 |
| 40° | 7622 | 6560  | 7528 | 4502 |
| 45° | 7426 | 5196  | 7210 | 4239 |
| 50° | 6945 | 4413  | 6698 | 3984 |
| 55° | 6420 | 3878  | 6159 | 3697 |
| 60° | 5887 | 3376  | 5573 | 3395 |
| 65° | 5299 | 2891  | 5043 | 2996 |
| 70° | 4691 | 2400  | 4379 | 2525 |
| 75° | 4013 | 1810  | 3751 | 1949 |
| 80° | 3171 | 1208  | 2926 | 1280 |
| 85° | 2190 | 554   | 1748 | 505  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 13592 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 77.0   | 1.3       |
| 10°-20°   | 247.3  | 4.1       |
| 20°-30°   | 416.1  | 6.9       |
| 30°-40°   | 470.3  | 7.8       |
| 40°-50°   | 421.2  | 7.0       |
| 50°-60°   | 340.0  | 5.7       |
| 60°-70°   | 236.9  | 3.9       |
| 70°-80°   | 124.3  | 2.1       |
| 80°-90°   | 32.5   | 0.5       |
| 90°-100°  | 263.4  | 4.4       |
| 100°-110° | 771.2  | 12.8      |
| 110°-120° | 753.1  | 12.5      |
| 120°-130° | 599.7  | 10.0      |
| 130°-140° | 473.2  | 7.9       |
| 140°-150° | 353.0  | 5.9       |
| 150°-160° | 246.1  | 4.1       |
| 160°-170° | 144.6  | 2.4       |
| 170°-180° | 47.0   | 0.8       |
| 0°-30°    | 740.4  | 12.3      |
| 0°-40°    | 1210.7 | 20.1      |
| 0°-60°    | 1971.9 | 32.8      |
| 0°-90°    | 2365.7 | 39.3      |
| 90°-120°  | 1787.6 | 29.7      |
| 90°-150°  | 3213.6 | 53.4      |
| 90°-180°  | 3651.0 | 60.7      |
| 0°-180°   | 6017.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 90°  | 180° | 270° | 360° | Flux |
|------|-----|------|------|------|------|------|
| 0°   | 783 | 783  | 783  | 783  | 783  |      |
| 5°   | 782 | 930  | 784  | 694  | 782  | 74   |
| 15°  | 746 | 1384 | 753  | 566  | 746  | 211  |
| 25°  | 683 | 1643 | 684  | 500  | 683  | 315  |
| 35°  | 602 | 885  | 599  | 459  | 602  | 377  |
| 45°  | 500 | 478  | 486  | 390  | 500  | 382  |
| 55°  | 354 | 325  | 340  | 310  | 354  | 317  |
| 65°  | 219 | 211  | 209  | 218  | 219  | 218  |
| 75°  | 106 | 108  | 99   | 117  | 106  | 113  |
| 85°  | 23  | 25   | 18   | 23   | 23   | 26   |
| 90°  | 2   | 28   | 2    | 28   | 2    | 4    |
| 95°  | 33  | 114  | 33   | 114  | 33   | 35   |
| 105° | 114 | 1250 | 114  | 1250 | 114  | 121  |
| 115° | 201 | 1520 | 201  | 1520 | 201  | 199  |
| 125° | 280 | 1199 | 280  | 1199 | 280  | 249  |
| 135° | 328 | 972  | 328  | 972  | 328  | 254  |
| 145° | 374 | 760  | 374  | 760  | 374  | 235  |
| 155° | 426 | 630  | 426  | 630  | 426  | 196  |
| 165° | 465 | 549  | 465  | 549  | 465  | 131  |
| 175° | 484 | 494  | 484  | 494  | 484  | 46   |
| 180° | 485 | 485  | 485  | 485  | 485  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 0°     | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  |
| 2.5°   | 785.2 | 791.3 | 794.3 | 798.9 | 803.4 | 810.2 | 812.5  | 816.3  | 814.8  | 817.8  | 819.3  |
| 5°     | 782.2 | 792.8 | 801.9 | 813.3 | 823.9 | 831.5 | 839.1  | 851.2  | 860.3  | 861.8  | 868.7  |
| 7.5°   | 776.9 | 792.0 | 808.0 | 823.9 | 844.4 | 856.5 | 870.2  | 886.9  | 900.5  | 922.5  | 930.9  |
| 10°    | 770.0 | 791.3 | 814.0 | 836.0 | 864.1 | 883.1 | 899.8  | 927.8  | 955.9  | 978.7  | 999.9  |
| 12.5°  | 759.4 | 786.0 | 815.5 | 848.2 | 884.6 | 906.6 | 929.3  | 966.5  | 1009.0 | 1043.9 | 1066.7 |
| 15°    | 746.5 | 779.9 | 817.8 | 852.7 | 892.9 | 933.9 | 958.2  | 999.9  | 1060.6 | 1093.2 | 1151.6 |
| 17.5°  | 735.9 | 770.0 | 808.0 | 862.6 | 917.2 | 958.2 | 975.6  | 1052.2 | 1094.0 | 1148.6 | 1214.6 |
| 20°    | 719.2 | 762.4 | 811.0 | 865.6 | 936.2 | 961.2 | 996.9  | 1074.2 | 1125.8 | 1197.2 | 1278.3 |
| 22.5°  | 701.8 | 748.0 | 806.4 | 863.3 | 942.2 | 968.8 | 1017.4 | 1078.8 | 1160.7 | 1231.3 | 1320.8 |
| 25°    | 682.8 | 732.9 | 792.0 | 859.6 | 936.9 | 975.6 | 1021.1 | 1097.0 | 1185.8 | 1274.5 | 1357.2 |
| 27.5°  | 663.8 | 718.4 | 779.9 | 847.4 | 922.5 | 968.0 | 1013.6 | 1092.5 | 1206.3 | 1302.6 | 1408.1 |
| 30°    | 645.6 | 700.2 | 761.7 | 830.7 | 909.6 | 953.6 | 996.9  | 1095.5 | 1222.2 | 1330.7 | 1436.9 |
| 32.5°  | 625.9 | 682.0 | 746.5 | 804.2 | 883.8 | 930.9 | 979.4  | 1095.5 | 1232.0 | 1347.4 | 1444.5 |
| 35°    | 602.4 | 660.0 | 715.4 | 773.1 | 852.0 | 904.3 | 958.9  | 1087.9 | 1241.2 | 1352.7 | 1412.6 |
| 37.5°  | 579.6 | 630.4 | 678.2 | 734.4 | 817.1 | 873.2 | 936.2  | 1078.8 | 1236.6 | 1329.9 | 1346.6 |
| 40°    | 553.8 | 604.6 | 643.3 | 695.7 | 782.9 | 848.2 | 911.9  | 1066.7 | 1216.9 | 1276.0 | 1227.5 |
| 42.5°  | 528.8 | 569.0 | 602.4 | 653.2 | 748.0 | 811.8 | 880.8  | 1044.7 | 1178.2 | 1190.3 | 1081.1 |
| 45°    | 500.0 | 528.8 | 558.4 | 616.0 | 710.1 | 775.3 | 852.0  | 1012.8 | 1116.0 | 1081.1 | 943.0  |
| 47.5°  | 462.8 | 488.6 | 521.2 | 574.3 | 669.9 | 737.4 | 810.2  | 971.8  | 1025.7 | 952.9  | 801.9  |
| 50°    | 427.1 | 449.1 | 479.5 | 531.1 | 627.4 | 693.4 | 770.8  | 907.3  | 933.9  | 819.3  | 691.1  |
| 52.5°  | 391.5 | 408.2 | 437.7 | 489.3 | 585.7 | 649.4 | 720.0  | 841.3  | 826.2  | 703.3  | 589.5  |
| 55°    | 354.3 | 368.7 | 396.8 | 447.6 | 537.1 | 597.8 | 665.3  | 760.2  | 720.7  | 603.9  | 512.8  |
| 57.5°  | 317.9 | 333.0 | 361.9 | 404.4 | 488.6 | 547.7 | 601.6  | 676.0  | 616.8  | 523.5  | 443.1  |
| 60°    | 285.3 | 298.1 | 320.2 | 361.9 | 438.5 | 486.3 | 535.6  | 586.4  | 537.1  | 446.8  | 385.4  |
| 62.5°  | 251.1 | 263.3 | 283.7 | 321.7 | 387.7 | 430.2 | 469.6  | 511.3  | 456.7  | 390.7  | 336.1  |
| 65°    | 219.2 | 229.1 | 248.1 | 283.0 | 336.8 | 371.7 | 403.6  | 432.4  | 388.4  | 327.7  | 286.8  |
| 67.5°  | 190.4 | 198.8 | 214.7 | 245.8 | 291.3 | 316.4 | 342.2  | 366.4  | 329.3  | 280.7  | 245.8  |
| 70°    | 159.3 | 166.1 | 180.6 | 203.3 | 239.7 | 265.5 | 284.5  | 302.7  | 269.3  | 230.6  | 207.1  |
| 72.5°  | 132.0 | 138.8 | 147.9 | 171.5 | 196.5 | 212.4 | 232.9  | 242.8  | 223.8  | 191.9  | 168.4  |
| 75°    | 105.5 | 110.8 | 119.1 | 134.3 | 157.8 | 168.4 | 181.3  | 188.9  | 171.5  | 150.2  | 135.8  |
| 77.5°  | 82.7  | 85.0  | 91.0  | 101.7 | 117.6 | 129.7 | 139.6  | 144.1  | 132.0  | 118.3  | 106.2  |
| 80°    | 58.4  | 61.5  | 66.0  | 75.1  | 87.2  | 91.0  | 97.1   | 102.4  | 94.8   | 82.7   | 75.1   |
| 82.5°  | 38.7  | 42.5  | 44.8  | 48.6  | 56.1  | 60.7  | 62.2   | 66.8   | 59.9   | 55.4   | 52.3   |
| 85°    | 22.8  | 24.3  | 25.0  | 27.3  | 31.1  | 33.4  | 35.7   | 36.4   | 34.9   | 34.1   | 31.1   |
| 87.5°  | 11.4  | 11.4  | 11.4  | 12.9  | 13.7  | 15.2  | 15.9   | 15.9   | 15.9   | 15.2   | 14.4   |
| 90°    | 2.0   | 3.9   | 5.9   | 8.8   | 10.8  | 11.8  | 12.8   | 15.7   | 18.7   | 21.6   | 24.6   |
| 92.5°  | 14.7  | 21.6  | 31.4  | 40.3  | 50.1  | 59.0  | 67.8   | 99.2   | 151.3  | 202.4  | 182.8  |
| 95°    | 33.4  | 36.4  | 47.2  | 63.9  | 89.4  | 108.6 | 127.7  | 211.3  | 357.7  | 518.8  | 582.7  |
| 97.5°  | 53.1  | 54.0  | 62.9  | 77.6  | 103.2 | 124.3 | 145.4  | 228.0  | 398.0  | 669.2  | 896.1  |
| 100°   | 72.7  | 73.7  | 80.6  | 94.3  | 117.9 | 137.0 | 156.2  | 225.0  | 370.4  | 628.9  | 930.5  |
| 102.5° | 93.3  | 95.3  | 101.2 | 114.0 | 134.6 | 151.8 | 169.0  | 228.9  | 346.9  | 569.9  | 866.7  |
| 105°   | 114.0 | 116.9 | 122.8 | 134.6 | 153.3 | 168.5 | 183.7  | 236.8  | 338.0  | 523.7  | 790.0  |
| 107.5° | 135.6 | 138.5 | 144.4 | 156.2 | 173.9 | 188.2 | 202.4  | 249.6  | 336.1  | 490.3  | 722.2  |
| 110°   | 159.2 | 162.1 | 167.0 | 177.9 | 194.6 | 208.4 | 222.1  | 266.3  | 341.0  | 472.6  | 666.2  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 180.8 | 183.7 | 188.7 | 199.5 | 216.2 | 229.4 | 242.7 | 283.0 | 350.8 | 462.8 | 628.9 |
| 115°   | 201.4 | 205.4 | 211.3 | 221.1 | 237.8 | 251.0 | 264.3 | 301.7 | 361.6 | 461.8 | 604.3 |
| 117.5° | 222.1 | 227.0 | 231.9 | 240.7 | 259.4 | 271.7 | 284.0 | 321.3 | 375.4 | 462.8 | 587.6 |
| 120°   | 243.7 | 246.6 | 251.5 | 261.4 | 280.0 | 292.3 | 304.6 | 340.0 | 391.1 | 466.7 | 576.8 |
| 122.5° | 262.4 | 265.3 | 270.2 | 281.0 | 298.7 | 312.0 | 325.2 | 359.6 | 405.8 | 473.6 | 569.9 |
| 125°   | 280.0 | 282.0 | 287.9 | 298.7 | 317.4 | 330.6 | 343.9 | 378.3 | 421.5 | 480.5 | 564.0 |
| 127.5° | 293.8 | 296.7 | 303.6 | 314.4 | 335.1 | 348.4 | 361.6 | 395.0 | 434.3 | 488.4 | 561.1 |
| 130°   | 306.6 | 309.5 | 318.4 | 330.2 | 350.8 | 364.0 | 377.3 | 409.7 | 447.1 | 496.2 | 558.1 |
| 132.5° | 316.4 | 320.3 | 330.2 | 344.9 | 365.5 | 378.3 | 391.1 | 422.5 | 458.9 | 502.1 | 557.1 |
| 135°   | 328.2 | 332.1 | 342.9 | 357.7 | 378.3 | 391.6 | 404.8 | 435.3 | 468.7 | 508.0 | 556.2 |
| 137.5° | 339.0 | 342.9 | 353.7 | 369.5 | 390.1 | 402.4 | 414.7 | 444.1 | 476.6 | 511.9 | 554.2 |
| 140°   | 349.8 | 354.7 | 364.5 | 380.3 | 399.9 | 412.2 | 424.5 | 453.0 | 482.5 | 515.9 | 553.2 |
| 142.5° | 361.6 | 365.5 | 376.3 | 390.1 | 409.7 | 421.0 | 432.4 | 459.9 | 488.4 | 518.8 | 551.2 |
| 145°   | 374.4 | 377.3 | 386.2 | 400.9 | 417.6 | 428.9 | 440.2 | 465.8 | 492.3 | 519.8 | 549.3 |
| 147.5° | 387.1 | 389.1 | 398.0 | 410.7 | 427.4 | 437.2 | 447.1 | 470.7 | 495.2 | 519.8 | 546.3 |
| 150°   | 399.9 | 400.9 | 408.8 | 421.5 | 435.3 | 444.2 | 453.0 | 475.6 | 496.2 | 519.8 | 542.4 |
| 152.5° | 412.7 | 412.7 | 420.6 | 431.4 | 443.2 | 451.6 | 459.9 | 478.5 | 498.2 | 516.9 | 537.5 |
| 155°   | 425.5 | 425.5 | 431.4 | 441.2 | 452.0 | 458.9 | 465.8 | 482.5 | 498.2 | 514.9 | 531.6 |
| 157.5° | 435.3 | 436.3 | 441.2 | 450.0 | 459.9 | 465.3 | 470.7 | 484.4 | 499.2 | 511.9 | 526.7 |
| 160°   | 447.1 | 447.1 | 451.0 | 458.9 | 465.8 | 470.7 | 475.6 | 487.4 | 499.2 | 510.0 | 520.8 |
| 162.5° | 455.9 | 455.9 | 458.9 | 464.8 | 470.7 | 474.6 | 478.5 | 488.4 | 498.2 | 506.0 | 514.9 |
| 165°   | 464.8 | 463.8 | 465.8 | 470.7 | 474.6 | 478.0 | 481.5 | 489.3 | 496.2 | 502.1 | 509.0 |
| 167.5° | 471.7 | 470.7 | 471.7 | 475.6 | 478.5 | 481.0 | 483.4 | 489.3 | 495.2 | 498.2 | 503.1 |
| 170°   | 477.6 | 475.6 | 476.6 | 479.5 | 481.5 | 482.4 | 483.4 | 488.4 | 492.3 | 494.3 | 497.2 |
| 172.5° | 481.5 | 480.5 | 480.5 | 482.5 | 483.4 | 483.9 | 484.4 | 488.4 | 491.3 | 491.3 | 492.3 |
| 175°   | 484.4 | 483.4 | 482.5 | 484.4 | 484.4 | 484.9 | 485.4 | 487.4 | 489.3 | 488.4 | 488.4 |
| 177.5° | 486.4 | 485.4 | 484.4 | 485.4 | 485.4 | 485.4 | 485.4 | 486.4 | 488.4 | 486.4 | 485.4 |
| 180°   | 485.4 | 485.4 | 485.4 | 485.4 | 485.4 | 485.4 | 485.4 | 485.4 | 485.4 | 485.4 | 485.4 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  |
| 2.5°   | 824.7  | 826.2  | 831.5  | 835.3  | 842.9  | 842.1  | 842.1  | 841.3  | 839.1  | 842.9  | 845.1  |
| 5°     | 882.3  | 895.2  | 896.7  | 913.4  | 914.2  | 921.0  | 925.6  | 921.8  | 930.9  | 930.1  | 923.3  |
| 7.5°   | 953.6  | 971.1  | 979.4  | 995.3  | 1013.6 | 1009.0 | 1026.5 | 1029.5 | 1028.0 | 1035.6 | 1040.9 |
| 10°    | 1031.8 | 1062.1 | 1083.4 | 1112.9 | 1120.5 | 1125.1 | 1136.5 | 1146.3 | 1166.0 | 1150.9 | 1160.7 |
| 12.5°  | 1121.3 | 1143.3 | 1171.4 | 1218.4 | 1241.9 | 1257.1 | 1262.4 | 1269.2 | 1282.9 | 1274.5 | 1275.3 |
| 15°    | 1196.4 | 1226.0 | 1273.8 | 1332.2 | 1339.0 | 1358.0 | 1353.4 | 1394.4 | 1414.1 | 1384.5 | 1401.2 |
| 17.5°  | 1274.5 | 1314.0 | 1370.9 | 1421.7 | 1450.5 | 1463.4 | 1475.6 | 1515.0 | 1513.5 | 1509.0 | 1512.7 |
| 20°    | 1324.6 | 1389.1 | 1459.6 | 1527.2 | 1535.5 | 1545.4 | 1578.0 | 1594.7 | 1591.6 | 1604.5 | 1612.9 |
| 22.5°  | 1395.2 | 1463.4 | 1538.5 | 1583.3 | 1602.3 | 1613.6 | 1639.4 | 1650.1 | 1654.6 | 1657.7 | 1652.3 |
| 25°    | 1454.3 | 1527.2 | 1582.5 | 1622.0 | 1633.4 | 1639.4 | 1647.8 | 1650.8 | 1648.5 | 1643.2 | 1647.8 |
| 27.5°  | 1494.5 | 1553.0 | 1590.9 | 1609.1 | 1603.0 | 1593.2 | 1577.2 | 1566.6 | 1543.1 | 1531.7 | 1545.4 |
| 30°    | 1511.2 | 1537.0 | 1548.4 | 1518.1 | 1487.7 | 1463.4 | 1433.1 | 1377.0 | 1332.9 | 1345.8 | 1328.4 |
| 32.5°  | 1484.7 | 1468.0 | 1413.4 | 1335.2 | 1311.7 | 1272.3 | 1186.5 | 1120.5 | 1122.8 | 1087.9 | 1102.3 |
| 35°    | 1406.5 | 1330.7 | 1227.5 | 1109.1 | 1078.0 | 1056.8 | 962.7  | 948.3  | 918.0  | 885.3  | 894.4  |
| 37.5°  | 1268.5 | 1157.7 | 1032.5 | 945.3  | 899.0  | 852.7  | 799.6  | 767.8  | 749.5  | 735.9  | 746.5  |
| 40°    | 1100.0 | 965.0  | 861.8  | 783.7  | 744.2  | 714.6  | 678.2  | 646.4  | 625.9  | 623.6  | 627.4  |
| 42.5°  | 934.7  | 820.9  | 726.0  | 651.7  | 638.8  | 603.9  | 580.4  | 555.3  | 549.3  | 539.4  | 544.7  |
| 45°    | 791.3  | 698.7  | 620.6  | 559.9  | 544.7  | 535.6  | 506.8  | 490.8  | 484.0  | 477.9  | 487.1  |
| 47.5°  | 687.3  | 590.2  | 533.3  | 496.9  | 481.7  | 466.6  | 450.6  | 440.0  | 434.7  | 435.5  | 434.7  |
| 50°    | 587.2  | 515.9  | 465.8  | 437.7  | 428.6  | 418.0  | 405.1  | 398.3  | 396.0  | 389.2  | 394.5  |
| 52.5°  | 505.3  | 453.7  | 418.8  | 392.2  | 385.4  | 377.8  | 367.2  | 363.4  | 358.1  | 356.6  | 356.6  |
| 55°    | 439.3  | 399.1  | 371.0  | 353.5  | 345.2  | 339.1  | 333.0  | 328.5  | 324.7  | 324.7  | 324.7  |
| 57.5°  | 387.7  | 352.8  | 332.3  | 317.1  | 314.1  | 308.0  | 301.2  | 301.2  | 295.9  | 295.1  | 297.4  |
| 60°    | 343.7  | 312.6  | 296.6  | 283.7  | 279.2  | 277.7  | 270.8  | 270.8  | 269.3  | 265.5  | 268.6  |
| 62.5°  | 298.9  | 276.1  | 262.5  | 252.6  | 248.1  | 248.1  | 242.8  | 239.0  | 239.0  | 239.7  | 238.2  |
| 65°    | 257.9  | 241.3  | 229.1  | 221.5  | 219.2  | 216.2  | 215.5  | 212.4  | 210.1  | 210.9  | 210.1  |
| 67.5°  | 221.5  | 208.6  | 200.3  | 194.2  | 190.4  | 188.9  | 186.6  | 186.6  | 185.1  | 185.9  | 182.1  |
| 70°    | 188.9  | 176.0  | 169.2  | 163.1  | 161.6  | 161.6  | 158.6  | 159.3  | 157.8  | 160.1  | 158.6  |
| 72.5°  | 155.5  | 145.7  | 140.4  | 138.1  | 136.6  | 135.8  | 134.3  | 132.8  | 132.0  | 133.5  | 132.8  |
| 75°    | 125.9  | 117.6  | 113.8  | 112.3  | 110.8  | 110.8  | 110.0  | 109.2  | 108.5  | 108.5  | 108.5  |
| 77.5°  | 97.9   | 92.6   | 88.0   | 89.5   | 87.2   | 88.0   | 85.7   | 85.7   | 86.5   | 85.7   | 85.7   |
| 80°    | 72.1   | 68.3   | 68.3   | 66.8   | 63.7   | 65.2   | 65.2   | 63.0   | 62.2   | 63.7   | 61.5   |
| 82.5°  | 47.8   | 47.0   | 45.5   | 44.8   | 43.2   | 44.0   | 43.2   | 42.5   | 41.7   | 43.2   | 41.7   |
| 85°    | 28.1   | 28.1   | 27.3   | 25.8   | 27.3   | 26.6   | 25.8   | 25.8   | 25.0   | 25.0   | 25.0   |
| 87.5°  | 14.4   | 12.9   | 12.9   | 12.1   | 12.9   | 11.4   | 12.1   | 11.4   | 10.6   | 11.4   | 10.6   |
| 90°    | 23.6   | 24.6   | 25.5   | 26.5   | 27.5   | 28.5   | 27.5   | 28.5   | 29.5   | 28.5   | 29.5   |
| 92.5°  | 136.6  | 97.3   | 75.7   | 65.8   | 62.4   | 59.0   | 57.0   | 53.1   | 54.0   | 52.1   | 54.0   |
| 95°    | 472.6  | 353.7  | 239.8  | 187.7  | 170.0  | 152.3  | 133.6  | 124.8  | 117.9  | 114.0  | 117.9  |
| 97.5°  | 926.6  | 812.6  | 613.2  | 483.4  | 427.4  | 371.4  | 305.6  | 268.3  | 244.7  | 233.9  | 244.7  |
| 100°   | 1124.1 | 1158.5 | 1078.9 | 963.9  | 894.2  | 824.4  | 725.2  | 653.4  | 615.1  | 616.1  | 615.1  |
| 102.5° | 1133.9 | 1273.5 | 1290.2 | 1235.1 | 1197.3 | 1159.5 | 1087.8 | 1034.7 | 1004.2 | 975.7  | 1004.2 |
| 105°   | 1072.0 | 1277.4 | 1375.7 | 1394.3 | 1381.6 | 1368.8 | 1323.6 | 1286.2 | 1254.8 | 1249.9 | 1254.8 |
| 107.5° | 983.6  | 1218.4 | 1372.7 | 1449.4 | 1462.6 | 1475.9 | 1470.0 | 1452.3 | 1439.5 | 1428.7 | 1439.5 |
| 110°   | 901.1  | 1126.1 | 1306.9 | 1430.7 | 1465.1 | 1499.5 | 1527.0 | 1534.8 | 1532.9 | 1530.9 | 1532.9 |



TEST NUMBER: P1011705

CATALOG NUMBER: S123DIP-B560D1025UB40-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 829.3 | 1034.7 | 1220.4 | 1362.9 | 1409.6 | 1456.2 | 1512.2 | 1540.7 | 1550.6 | 1551.5 | 1550.6 |
| 115°   | 774.3 | 956.1  | 1127.1 | 1271.5 | 1325.0 | 1378.6 | 1452.3 | 1495.5 | 1515.2 | 1520.1 | 1515.2 |
| 117.5° | 737.9 | 895.2  | 1046.5 | 1179.1 | 1234.6 | 1290.2 | 1366.8 | 1415.0 | 1444.4 | 1451.3 | 1444.4 |
| 120°   | 710.4 | 849.0  | 981.6  | 1099.5 | 1149.2 | 1198.8 | 1276.4 | 1331.4 | 1355.0 | 1360.9 | 1355.0 |
| 122.5° | 687.8 | 812.6  | 929.6  | 1036.7 | 1081.9 | 1127.1 | 1193.9 | 1242.0 | 1268.6 | 1276.4 | 1268.6 |
| 125°   | 669.2 | 781.2  | 888.3  | 982.6  | 1021.9 | 1061.2 | 1124.1 | 1167.3 | 1191.9 | 1198.8 | 1191.9 |
| 127.5° | 651.5 | 752.7  | 850.0  | 936.4  | 972.8  | 1009.1 | 1066.1 | 1103.5 | 1126.1 | 1132.0 | 1126.1 |
| 130°   | 637.7 | 726.2  | 814.6  | 894.2  | 927.6  | 961.0  | 1013.1 | 1048.4 | 1069.1 | 1076.9 | 1069.1 |
| 132.5° | 624.9 | 701.6  | 781.2  | 853.9  | 885.4  | 916.8  | 964.9  | 1000.3 | 1018.0 | 1022.9 | 1018.0 |
| 135°   | 614.1 | 680.0  | 749.7  | 813.6  | 841.6  | 869.6  | 917.8  | 947.2  | 964.9  | 971.8  | 964.9  |
| 137.5° | 604.3 | 659.3  | 718.3  | 775.3  | 800.3  | 825.4  | 866.7  | 897.1  | 911.9  | 917.8  | 911.9  |
| 140°   | 595.5 | 641.6  | 691.8  | 738.9  | 760.0  | 781.2  | 818.5  | 846.0  | 861.8  | 860.8  | 861.8  |
| 142.5° | 587.6 | 624.9  | 666.2  | 705.5  | 723.2  | 740.9  | 771.4  | 794.9  | 808.7  | 807.7  | 808.7  |
| 145°   | 580.7 | 612.2  | 644.6  | 676.0  | 690.2  | 704.5  | 729.1  | 749.7  | 757.6  | 759.6  | 757.6  |
| 147.5° | 573.8 | 601.4  | 627.9  | 654.4  | 664.8  | 675.1  | 694.7  | 709.4  | 717.3  | 718.3  | 717.3  |
| 150°   | 567.0 | 589.6  | 612.2  | 632.8  | 642.2  | 651.5  | 666.2  | 677.0  | 682.9  | 682.9  | 682.9  |
| 152.5° | 559.1 | 578.8  | 597.4  | 615.1  | 622.5  | 629.9  | 640.7  | 650.5  | 653.4  | 653.4  | 653.4  |
| 155°   | 551.2 | 568.0  | 583.7  | 598.4  | 604.3  | 610.2  | 619.0  | 626.9  | 628.9  | 629.9  | 628.9  |
| 157.5° | 542.4 | 556.2  | 569.9  | 581.7  | 586.6  | 591.5  | 599.4  | 605.3  | 607.3  | 607.3  | 607.3  |
| 160°   | 533.6 | 546.3  | 557.1  | 567.0  | 570.4  | 573.8  | 580.7  | 586.6  | 586.6  | 585.6  | 586.6  |
| 162.5° | 524.7 | 534.5  | 543.4  | 552.2  | 555.2  | 558.1  | 562.1  | 567.0  | 567.0  | 566.0  | 567.0  |
| 165°   | 516.9 | 524.7  | 530.6  | 537.5  | 540.0  | 542.4  | 546.3  | 550.3  | 549.3  | 549.3  | 549.3  |
| 167.5° | 509.0 | 515.9  | 520.8  | 524.7  | 526.7  | 528.6  | 530.6  | 533.6  | 532.6  | 532.6  | 532.6  |
| 170°   | 502.1 | 507.0  | 510.0  | 513.9  | 514.9  | 515.9  | 516.9  | 518.8  | 517.8  | 517.8  | 517.8  |
| 172.5° | 495.2 | 499.2  | 501.1  | 504.1  | 504.6  | 505.1  | 505.1  | 507.0  | 505.1  | 504.1  | 505.1  |
| 175°   | 490.3 | 492.3  | 493.3  | 495.2  | 495.2  | 495.2  | 495.2  | 496.2  | 495.2  | 494.3  | 495.2  |
| 177.5° | 486.4 | 487.4  | 488.4  | 489.3  | 489.3  | 489.3  | 488.4  | 489.3  | 487.4  | 487.4  | 487.4  |
| 180°   | 485.4 | 485.4  | 485.4  | 485.4  | 485.4  | 485.4  | 485.4  | 485.4  | 485.4  | 485.4  | 485.4  |

TEST NUMBER: P1011705

CATALOG NUMBER: S123DIP-B560D1025UB40-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  |
| 2.5°   | 839.1  | 841.3  | 835.3  | 833.8  | 833.8  | 836.8  | 834.5  | 814.0  | 817.8  | 813.3  | 811.8  |
| 5°     | 931.6  | 927.1  | 921.0  | 918.0  | 914.2  | 903.6  | 902.8  | 879.3  | 874.7  | 859.6  | 852.7  |
| 7.5°   | 1033.3 | 1029.5 | 1011.3 | 1009.0 | 1007.5 | 997.6  | 972.6  | 947.6  | 929.3  | 911.9  | 895.2  |
| 10°    | 1149.4 | 1138.0 | 1129.6 | 1112.9 | 1104.6 | 1090.9 | 1058.3 | 1034.8 | 1003.7 | 977.1  | 942.2  |
| 12.5°  | 1288.9 | 1276.0 | 1248.0 | 1235.8 | 1225.2 | 1187.3 | 1154.7 | 1128.1 | 1067.4 | 1049.2 | 1006.0 |
| 15°    | 1391.4 | 1364.1 | 1361.0 | 1334.5 | 1332.9 | 1291.2 | 1229.0 | 1200.2 | 1153.1 | 1086.4 | 1041.6 |
| 17.5°  | 1502.1 | 1477.9 | 1458.9 | 1427.0 | 1422.5 | 1383.0 | 1337.5 | 1266.9 | 1215.4 | 1151.6 | 1094.7 |
| 20°    | 1583.3 | 1570.4 | 1537.8 | 1524.9 | 1498.3 | 1465.0 | 1417.9 | 1330.7 | 1267.7 | 1204.0 | 1134.2 |
| 22.5°  | 1647.8 | 1634.9 | 1609.1 | 1591.6 | 1576.5 | 1533.2 | 1477.1 | 1402.7 | 1316.3 | 1232.8 | 1160.7 |
| 25°    | 1647.0 | 1643.2 | 1632.6 | 1624.3 | 1612.9 | 1581.0 | 1534.0 | 1462.7 | 1366.3 | 1274.5 | 1174.4 |
| 27.5°  | 1553.7 | 1564.3 | 1582.5 | 1591.6 | 1589.4 | 1584.8 | 1558.3 | 1498.3 | 1411.8 | 1302.6 | 1190.3 |
| 30°    | 1359.5 | 1398.2 | 1432.3 | 1477.9 | 1491.5 | 1524.9 | 1540.1 | 1505.9 | 1436.9 | 1335.2 | 1210.8 |
| 32.5°  | 1127.4 | 1183.5 | 1257.8 | 1282.9 | 1326.1 | 1390.6 | 1462.7 | 1475.6 | 1432.3 | 1354.2 | 1223.7 |
| 35°    | 924.8  | 971.1  | 1028.7 | 1068.2 | 1106.9 | 1211.6 | 1302.6 | 1381.5 | 1395.9 | 1344.3 | 1220.7 |
| 37.5°  | 765.5  | 798.1  | 848.9  | 882.3  | 918.0  | 1007.5 | 1134.9 | 1237.4 | 1309.4 | 1310.9 | 1212.3 |
| 40°    | 650.2  | 664.6  | 708.6  | 732.9  | 767.0  | 844.4  | 958.2  | 1091.7 | 1197.2 | 1245.7 | 1190.3 |
| 42.5°  | 550.8  | 569.7  | 606.2  | 624.4  | 646.4  | 713.9  | 789.0  | 915.7  | 1046.2 | 1150.1 | 1149.4 |
| 45°    | 491.6  | 505.3  | 522.0  | 537.1  | 562.2  | 602.4  | 688.1  | 782.9  | 908.1  | 1025.7 | 1072.0 |
| 47.5°  | 439.3  | 452.2  | 468.8  | 473.4  | 490.1  | 528.0  | 580.4  | 663.1  | 779.9  | 896.7  | 984.0  |
| 50°    | 395.3  | 405.9  | 417.3  | 425.6  | 433.2  | 464.3  | 503.7  | 573.5  | 666.9  | 779.9  | 888.4  |
| 52.5°  | 361.1  | 368.7  | 378.6  | 383.1  | 389.9  | 412.7  | 443.1  | 494.6  | 571.3  | 674.4  | 779.9  |
| 55°    | 329.3  | 334.6  | 340.6  | 348.2  | 351.3  | 367.9  | 391.5  | 435.5  | 492.4  | 584.9  | 685.1  |
| 57.5°  | 299.7  | 301.9  | 305.7  | 310.3  | 314.1  | 328.5  | 349.0  | 378.6  | 428.6  | 500.0  | 594.8  |
| 60°    | 266.3  | 272.4  | 274.6  | 279.2  | 281.5  | 292.8  | 308.8  | 333.8  | 372.5  | 433.9  | 505.3  |
| 62.5°  | 238.2  | 242.0  | 245.8  | 248.1  | 253.4  | 257.2  | 270.1  | 292.8  | 324.7  | 370.2  | 434.7  |
| 65°    | 213.2  | 214.7  | 217.0  | 219.2  | 220.8  | 225.3  | 237.5  | 252.6  | 276.9  | 317.1  | 367.2  |
| 67.5°  | 184.4  | 185.9  | 188.9  | 189.7  | 191.2  | 197.2  | 204.1  | 217.0  | 237.5  | 267.8  | 308.8  |
| 70°    | 156.3  | 158.6  | 160.1  | 161.6  | 163.9  | 166.1  | 173.7  | 184.4  | 200.3  | 221.5  | 253.4  |
| 72.5°  | 132.0  | 134.3  | 134.3  | 135.8  | 135.0  | 138.1  | 145.7  | 153.2  | 163.9  | 181.3  | 209.4  |
| 75°    | 107.7  | 107.7  | 109.2  | 110.0  | 110.8  | 113.8  | 116.8  | 122.9  | 131.2  | 144.9  | 162.4  |
| 77.5°  | 85.0   | 84.2   | 85.7   | 85.7   | 85.7   | 88.0   | 91.0   | 94.1   | 99.4   | 109.2  | 122.9  |
| 80°    | 62.2   | 62.2   | 63.7   | 64.5   | 63.0   | 63.7   | 65.2   | 68.3   | 72.1   | 78.9   | 86.5   |
| 82.5°  | 41.0   | 44.0   | 43.2   | 44.0   | 43.2   | 44.8   | 45.5   | 46.3   | 47.8   | 50.8   | 56.1   |
| 85°    | 25.0   | 25.0   | 25.0   | 25.8   | 25.0   | 25.8   | 25.8   | 25.8   | 26.6   | 28.1   | 30.3   |
| 87.5°  | 10.6   | 10.6   | 10.6   | 11.4   | 10.6   | 10.6   | 11.4   | 10.6   | 11.4   | 11.4   | 12.1   |
| 90°    | 28.5   | 27.5   | 28.5   | 27.5   | 26.5   | 25.5   | 24.6   | 23.6   | 24.6   | 21.6   | 18.7   |
| 92.5°  | 53.1   | 57.0   | 59.0   | 62.4   | 65.8   | 75.7   | 97.3   | 136.6  | 182.8  | 202.4  | 151.3  |
| 95°    | 124.8  | 133.6  | 152.3  | 170.0  | 187.7  | 239.8  | 353.7  | 472.6  | 582.7  | 518.8  | 357.7  |
| 97.5°  | 268.3  | 305.6  | 371.4  | 427.4  | 483.4  | 613.2  | 812.6  | 926.6  | 896.1  | 669.2  | 398.0  |
| 100°   | 653.4  | 725.2  | 824.4  | 894.2  | 963.9  | 1078.9 | 1158.5 | 1124.1 | 930.5  | 628.9  | 370.4  |
| 102.5° | 1034.7 | 1087.8 | 1159.5 | 1197.3 | 1235.1 | 1290.2 | 1273.5 | 1133.9 | 866.7  | 569.9  | 346.9  |
| 105°   | 1286.2 | 1323.6 | 1368.8 | 1381.6 | 1394.3 | 1375.7 | 1277.4 | 1072.0 | 790.0  | 523.7  | 338.0  |
| 107.5° | 1452.3 | 1470.0 | 1475.9 | 1462.6 | 1449.4 | 1372.7 | 1218.4 | 983.6  | 722.2  | 490.3  | 336.1  |
| 110°   | 1534.8 | 1527.0 | 1499.5 | 1465.1 | 1430.7 | 1306.9 | 1126.1 | 901.1  | 666.2  | 472.6  | 341.0  |

TEST NUMBER: P1011705

CATALOG NUMBER: S123DIP-B560D1025UB40-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°  | 135°  | 140°  | 145°  |
|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 112.5° | 1540.7 | 1512.2 | 1456.2 | 1409.6 | 1362.9 | 1220.4 | 1034.7 | 829.3 | 628.9 | 462.8 | 350.8 |
| 115°   | 1495.5 | 1452.3 | 1378.6 | 1325.0 | 1271.5 | 1127.1 | 956.1  | 774.3 | 604.3 | 461.8 | 361.6 |
| 117.5° | 1415.0 | 1366.8 | 1290.2 | 1234.6 | 1179.1 | 1046.5 | 895.2  | 737.9 | 587.6 | 462.8 | 375.4 |
| 120°   | 1331.4 | 1276.4 | 1198.8 | 1149.2 | 1099.5 | 981.6  | 849.0  | 710.4 | 576.8 | 466.7 | 391.1 |
| 122.5° | 1242.0 | 1193.9 | 1127.1 | 1081.9 | 1036.7 | 929.6  | 812.6  | 687.8 | 569.9 | 473.6 | 405.8 |
| 125°   | 1167.3 | 1124.1 | 1061.2 | 1021.9 | 982.6  | 888.3  | 781.2  | 669.2 | 564.0 | 480.5 | 421.5 |
| 127.5° | 1103.5 | 1066.1 | 1009.1 | 972.8  | 936.4  | 850.0  | 752.7  | 651.5 | 561.1 | 488.4 | 434.3 |
| 130°   | 1048.4 | 1013.1 | 961.0  | 927.6  | 894.2  | 814.6  | 726.2  | 637.7 | 558.1 | 496.2 | 447.1 |
| 132.5° | 1000.3 | 964.9  | 916.8  | 885.4  | 853.9  | 781.2  | 701.6  | 624.9 | 557.1 | 502.1 | 458.9 |
| 135°   | 947.2  | 917.8  | 869.6  | 841.6  | 813.6  | 749.7  | 680.0  | 614.1 | 556.2 | 508.0 | 468.7 |
| 137.5° | 897.1  | 866.7  | 825.4  | 800.3  | 775.3  | 718.3  | 659.3  | 604.3 | 554.2 | 511.9 | 476.6 |
| 140°   | 846.0  | 818.5  | 781.2  | 760.0  | 738.9  | 691.8  | 641.6  | 595.5 | 553.2 | 515.9 | 482.5 |
| 142.5° | 794.9  | 771.4  | 740.9  | 723.2  | 705.5  | 666.2  | 624.9  | 587.6 | 551.2 | 518.8 | 488.4 |
| 145°   | 749.7  | 729.1  | 704.5  | 690.2  | 676.0  | 644.6  | 612.2  | 580.7 | 549.3 | 519.8 | 492.3 |
| 147.5° | 709.4  | 694.7  | 675.1  | 664.8  | 654.4  | 627.9  | 601.4  | 573.8 | 546.3 | 519.8 | 495.2 |
| 150°   | 677.0  | 666.2  | 651.5  | 642.2  | 632.8  | 612.2  | 589.6  | 567.0 | 542.4 | 519.8 | 496.2 |
| 152.5° | 650.5  | 640.7  | 629.9  | 622.5  | 615.1  | 597.4  | 578.8  | 559.1 | 537.5 | 516.9 | 498.2 |
| 155°   | 626.9  | 619.0  | 610.2  | 604.3  | 598.4  | 583.7  | 568.0  | 551.2 | 531.6 | 514.9 | 498.2 |
| 157.5° | 605.3  | 599.4  | 591.5  | 586.6  | 581.7  | 569.9  | 556.2  | 542.4 | 526.7 | 511.9 | 499.2 |
| 160°   | 586.6  | 580.7  | 573.8  | 570.4  | 567.0  | 557.1  | 546.3  | 533.6 | 520.8 | 510.0 | 499.2 |
| 162.5° | 567.0  | 562.1  | 558.1  | 555.2  | 552.2  | 543.4  | 534.5  | 524.7 | 514.9 | 506.0 | 498.2 |
| 165°   | 550.3  | 546.3  | 542.4  | 540.0  | 537.5  | 530.6  | 524.7  | 516.9 | 509.0 | 502.1 | 496.2 |
| 167.5° | 533.6  | 530.6  | 528.6  | 526.7  | 524.7  | 520.8  | 515.9  | 509.0 | 503.1 | 498.2 | 495.2 |
| 170°   | 518.8  | 516.9  | 515.9  | 514.9  | 513.9  | 510.0  | 507.0  | 502.1 | 497.2 | 494.3 | 492.3 |
| 172.5° | 507.0  | 505.1  | 505.1  | 504.6  | 504.1  | 501.1  | 499.2  | 495.2 | 492.3 | 491.3 | 491.3 |
| 175°   | 496.2  | 495.2  | 495.2  | 495.2  | 495.2  | 493.3  | 492.3  | 490.3 | 488.4 | 488.4 | 489.3 |
| 177.5° | 489.3  | 488.4  | 489.3  | 489.3  | 489.3  | 488.4  | 487.4  | 486.4 | 485.4 | 486.4 | 488.4 |
| 180°   | 485.4  | 485.4  | 485.4  | 485.4  | 485.4  | 485.4  | 485.4  | 485.4 | 485.4 | 485.4 | 485.4 |

TEST NUMBER: P1011705

CATALOG NUMBER: S123DIP-B560D1025UB40-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 782.9  | 782.9  | 782.9  | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 |
| 2.5°   | 804.2  | 801.9  | 801.9  | 800.4 | 795.8 | 787.5 | 786.7 | 788.2 | 783.7 | 779.1 | 772.3 |
| 5°     | 843.6  | 829.2  | 824.7  | 820.1 | 811.0 | 795.8 | 789.8 | 784.4 | 776.1 | 766.2 | 755.6 |
| 7.5°   | 877.0  | 856.5  | 850.4  | 842.1 | 823.9 | 802.7 | 789.0 | 777.6 | 766.2 | 752.6 | 739.7 |
| 10°    | 918.7  | 889.1  | 874.7  | 862.6 | 837.6 | 808.0 | 787.5 | 770.8 | 752.6 | 735.9 | 719.2 |
| 12.5°  | 965.8  | 918.0  | 913.4  | 883.8 | 855.0 | 811.0 | 786.0 | 761.7 | 737.4 | 716.9 | 699.5 |
| 15°    | 1005.2 | 952.9  | 933.9  | 914.2 | 858.8 | 804.2 | 779.9 | 752.6 | 724.5 | 702.5 | 676.7 |
| 17.5°  | 1030.2 | 987.0  | 946.8  | 920.2 | 862.6 | 814.0 | 767.0 | 735.9 | 706.3 | 676.0 | 654.7 |
| 20°    | 1060.6 | 997.6  | 962.7  | 927.1 | 870.2 | 806.4 | 759.4 | 720.7 | 684.3 | 657.0 | 631.2 |
| 22.5°  | 1090.9 | 1006.0 | 977.1  | 938.5 | 871.7 | 798.9 | 745.8 | 707.1 | 665.3 | 638.0 | 610.0 |
| 25°    | 1087.9 | 1018.1 | 970.3  | 937.7 | 856.5 | 792.0 | 729.8 | 684.3 | 645.6 | 610.7 | 582.6 |
| 27.5°  | 1090.2 | 1004.5 | 955.9  | 918.0 | 845.9 | 782.2 | 713.1 | 665.3 | 625.1 | 588.7 | 559.1 |
| 30°    | 1090.9 | 984.0  | 941.5  | 896.0 | 826.2 | 758.7 | 694.2 | 645.6 | 603.1 | 563.7 | 537.1 |
| 32.5°  | 1088.7 | 967.3  | 914.2  | 873.2 | 795.1 | 735.9 | 672.2 | 620.6 | 577.3 | 540.9 | 515.9 |
| 35°    | 1083.4 | 947.6  | 886.1  | 834.5 | 763.2 | 703.3 | 651.7 | 598.6 | 552.3 | 518.9 | 490.1 |
| 37.5°  | 1068.9 | 926.3  | 856.5  | 805.7 | 726.0 | 665.3 | 619.8 | 575.8 | 531.1 | 491.6 | 467.3 |
| 40°    | 1058.3 | 897.5  | 826.9  | 771.5 | 685.8 | 626.6 | 588.7 | 547.0 | 503.0 | 467.3 | 443.8 |
| 42.5°  | 1034.0 | 870.2  | 796.6  | 730.6 | 646.4 | 585.7 | 550.0 | 516.6 | 478.7 | 443.8 | 422.6 |
| 45°    | 994.6  | 840.6  | 759.4  | 692.6 | 603.1 | 545.5 | 512.8 | 485.5 | 452.2 | 418.8 | 397.5 |
| 47.5°  | 939.2  | 798.1  | 720.0  | 653.2 | 560.6 | 502.2 | 469.6 | 449.1 | 422.6 | 394.5 | 376.3 |
| 50°    | 879.3  | 751.8  | 679.8  | 613.7 | 519.7 | 462.8 | 430.9 | 411.9 | 394.5 | 368.7 | 351.3 |
| 52.5°  | 801.1  | 702.5  | 633.5  | 570.5 | 475.7 | 421.1 | 393.0 | 379.3 | 361.1 | 342.9 | 327.7 |
| 55°    | 725.3  | 638.8  | 581.9  | 522.0 | 432.4 | 381.6 | 354.3 | 339.9 | 329.3 | 314.1 | 301.9 |
| 57.5°  | 637.3  | 579.6  | 527.3  | 472.6 | 392.2 | 345.9 | 320.2 | 302.7 | 295.9 | 289.0 | 277.7 |
| 60°    | 556.1  | 512.1  | 469.6  | 424.1 | 350.5 | 308.8 | 283.7 | 270.1 | 263.3 | 258.7 | 251.1 |
| 62.5°  | 481.7  | 447.6  | 411.2  | 374.8 | 308.0 | 270.1 | 251.1 | 237.5 | 231.4 | 230.6 | 223.8 |
| 65°    | 410.4  | 386.2  | 356.6  | 320.9 | 268.6 | 235.2 | 217.0 | 208.6 | 201.8 | 201.8 | 196.5 |
| 67.5°  | 339.1  | 322.4  | 298.9  | 273.9 | 232.9 | 201.8 | 185.1 | 177.5 | 173.7 | 173.7 | 169.9 |
| 70°    | 282.2  | 270.8  | 249.6  | 227.6 | 191.9 | 168.4 | 155.5 | 148.7 | 146.4 | 147.2 | 144.1 |
| 72.5°  | 229.1  | 217.0  | 199.5  | 183.6 | 157.0 | 139.6 | 130.5 | 122.9 | 119.1 | 119.9 | 119.1 |
| 75°    | 177.5  | 171.5  | 156.3  | 144.1 | 122.9 | 110.8 | 102.4 | 98.6  | 95.6  | 96.3  | 94.8  |
| 77.5°  | 133.5  | 124.4  | 116.1  | 107.7 | 94.8  | 85.0  | 78.1  | 74.3  | 72.1  | 72.1  | 72.1  |
| 80°    | 91.0   | 89.5   | 82.7   | 78.1  | 67.5  | 59.9  | 54.6  | 53.9  | 51.6  | 51.6  | 51.6  |
| 82.5°  | 59.2   | 55.4   | 51.6   | 48.6  | 42.5  | 37.9  | 35.7  | 34.1  | 33.4  | 32.6  | 34.1  |
| 85°    | 32.6   | 30.3   | 28.8   | 25.8  | 23.5  | 21.2  | 19.0  | 18.2  | 17.4  | 18.2  | 17.4  |
| 87.5°  | 12.9   | 10.6   | 10.6   | 9.9   | 9.1   | 8.3   | 8.3   | 6.8   | 6.8   | 6.1   | 6.1   |
| 90°    | 15.7   | 12.8   | 11.8   | 10.8  | 8.8   | 5.9   | 3.9   | 2.0   | 3.9   | 5.9   | 8.8   |
| 92.5°  | 99.2   | 67.8   | 59.0   | 50.1  | 40.3  | 31.4  | 21.6  | 14.7  | 21.6  | 31.4  | 40.3  |
| 95°    | 211.3  | 127.7  | 108.6  | 89.4  | 63.9  | 47.2  | 36.4  | 33.4  | 36.4  | 47.2  | 63.9  |
| 97.5°  | 228.0  | 145.4  | 124.3  | 103.2 | 77.6  | 62.9  | 54.0  | 53.1  | 54.0  | 62.9  | 77.6  |
| 100°   | 225.0  | 156.2  | 137.0  | 117.9 | 94.3  | 80.6  | 73.7  | 72.7  | 73.7  | 80.6  | 94.3  |
| 102.5° | 228.9  | 169.0  | 151.8  | 134.6 | 114.0 | 101.2 | 95.3  | 93.3  | 95.3  | 101.2 | 114.0 |
| 105°   | 236.8  | 183.7  | 168.5  | 153.3 | 134.6 | 122.8 | 116.9 | 114.0 | 116.9 | 122.8 | 134.6 |
| 107.5° | 249.6  | 202.4  | 188.2  | 173.9 | 156.2 | 144.4 | 138.5 | 135.6 | 138.5 | 144.4 | 156.2 |
| 110°   | 266.3  | 222.1  | 208.4  | 194.6 | 177.9 | 167.0 | 162.1 | 159.2 | 162.1 | 167.0 | 177.9 |

TEST NUMBER: P1011705

CATALOG NUMBER: S123DIP-B560D1025UB40-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 283.0 | 242.7 | 229.4  | 216.2 | 199.5 | 188.7 | 183.7 | 180.8 | 183.7 | 188.7 | 199.5 |
| 115°   | 301.7 | 264.3 | 251.0  | 237.8 | 221.1 | 211.3 | 205.4 | 201.4 | 205.4 | 211.3 | 221.1 |
| 117.5° | 321.3 | 284.0 | 271.7  | 259.4 | 240.7 | 231.9 | 227.0 | 222.1 | 227.0 | 231.9 | 240.7 |
| 120°   | 340.0 | 304.6 | 292.3  | 280.0 | 261.4 | 251.5 | 246.6 | 243.7 | 246.6 | 251.5 | 261.4 |
| 122.5° | 359.6 | 325.2 | 312.0  | 298.7 | 281.0 | 270.2 | 265.3 | 262.4 | 265.3 | 270.2 | 281.0 |
| 125°   | 378.3 | 343.9 | 330.6  | 317.4 | 298.7 | 287.9 | 282.0 | 280.0 | 282.0 | 287.9 | 298.7 |
| 127.5° | 395.0 | 361.6 | 348.4  | 335.1 | 314.4 | 303.6 | 296.7 | 293.8 | 296.7 | 303.6 | 314.4 |
| 130°   | 409.7 | 377.3 | 364.0  | 350.8 | 330.2 | 318.4 | 309.5 | 306.6 | 309.5 | 318.4 | 330.2 |
| 132.5° | 422.5 | 391.1 | 378.3  | 365.5 | 344.9 | 330.2 | 320.3 | 316.4 | 320.3 | 330.2 | 344.9 |
| 135°   | 435.3 | 404.8 | 391.6  | 378.3 | 357.7 | 342.9 | 332.1 | 328.2 | 332.1 | 342.9 | 357.7 |
| 137.5° | 444.1 | 414.7 | 402.4  | 390.1 | 369.5 | 353.7 | 342.9 | 339.0 | 342.9 | 353.7 | 369.5 |
| 140°   | 453.0 | 424.5 | 412.2  | 399.9 | 380.3 | 364.5 | 354.7 | 349.8 | 354.7 | 364.5 | 380.3 |
| 142.5° | 459.9 | 432.4 | 421.0  | 409.7 | 390.1 | 376.3 | 365.5 | 361.6 | 365.5 | 376.3 | 390.1 |
| 145°   | 465.8 | 440.2 | 428.9  | 417.6 | 400.9 | 386.2 | 377.3 | 374.4 | 377.3 | 386.2 | 400.9 |
| 147.5° | 470.7 | 447.1 | 437.2  | 427.4 | 410.7 | 398.0 | 389.1 | 387.1 | 389.1 | 398.0 | 410.7 |
| 150°   | 475.6 | 453.0 | 444.2  | 435.3 | 421.5 | 408.8 | 400.9 | 399.9 | 400.9 | 408.8 | 421.5 |
| 152.5° | 478.5 | 459.9 | 451.6  | 443.2 | 431.4 | 420.6 | 412.7 | 412.7 | 412.7 | 420.6 | 431.4 |
| 155°   | 482.5 | 465.8 | 458.9  | 452.0 | 441.2 | 431.4 | 425.5 | 425.5 | 425.5 | 431.4 | 441.2 |
| 157.5° | 484.4 | 470.7 | 465.3  | 459.9 | 450.0 | 441.2 | 436.3 | 435.3 | 436.3 | 441.2 | 450.0 |
| 160°   | 487.4 | 475.6 | 470.7  | 465.8 | 458.9 | 451.0 | 447.1 | 447.1 | 447.1 | 451.0 | 458.9 |
| 162.5° | 488.4 | 478.5 | 474.6  | 470.7 | 464.8 | 458.9 | 455.9 | 455.9 | 455.9 | 458.9 | 464.8 |
| 165°   | 489.3 | 481.5 | 478.0  | 474.6 | 470.7 | 465.8 | 463.8 | 464.8 | 463.8 | 465.8 | 470.7 |
| 167.5° | 489.3 | 483.4 | 481.0  | 478.5 | 475.6 | 471.7 | 470.7 | 471.7 | 470.7 | 471.7 | 475.6 |
| 170°   | 488.4 | 483.4 | 482.4  | 481.5 | 479.5 | 476.6 | 475.6 | 477.6 | 475.6 | 476.6 | 479.5 |
| 172.5° | 488.4 | 484.4 | 483.9  | 483.4 | 482.5 | 480.5 | 480.5 | 481.5 | 480.5 | 480.5 | 482.5 |
| 175°   | 487.4 | 485.4 | 484.9  | 484.4 | 484.4 | 482.5 | 483.4 | 484.4 | 483.4 | 482.5 | 484.4 |
| 177.5° | 486.4 | 485.4 | 485.4  | 485.4 | 485.4 | 484.4 | 485.4 | 486.4 | 485.4 | 484.4 | 485.4 |
| 180°   | 485.4 | 485.4 | 485.4  | 485.4 | 485.4 | 485.4 | 485.4 | 485.4 | 485.4 | 485.4 | 485.4 |

TEST NUMBER: P1011705

CATALOG NUMBER: S123DIP-B560D1025UB40-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°   | 235°   | 240°   | 245°   |
|--------|-------|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0°     | 782.9 | 782.9  | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 | 782.9  | 782.9  | 782.9  | 782.9  |
| 2.5°   | 770.8 | 770.0  | 771.5 | 767.0 | 759.4 | 755.6 | 745.0 | 742.7  | 742.0  | 742.7  | 743.5  |
| 5°     | 749.5 | 748.8  | 746.5 | 738.9 | 729.8 | 723.0 | 710.1 | 709.3  | 704.8  | 700.2  | 702.5  |
| 7.5°   | 729.1 | 726.0  | 721.5 | 711.6 | 699.5 | 691.9 | 681.3 | 673.7  | 667.6  | 663.8  | 660.8  |
| 10°    | 708.6 | 704.0  | 699.5 | 686.6 | 671.4 | 660.0 | 647.1 | 641.1  | 634.2  | 631.2  | 628.2  |
| 12.5°  | 682.0 | 677.5  | 669.1 | 654.0 | 644.9 | 630.4 | 617.5 | 611.5  | 607.7  | 601.6  | 597.8  |
| 15°    | 660.8 | 651.7  | 647.1 | 631.2 | 612.2 | 610.7 | 587.2 | 585.7  | 578.1  | 578.1  | 572.0  |
| 17.5°  | 636.5 | 629.7  | 621.3 | 605.4 | 591.7 | 578.1 | 566.0 | 561.4  | 554.6  | 553.1  | 550.0  |
| 20°    | 613.0 | 603.9  | 600.9 | 584.9 | 570.5 | 553.8 | 540.9 | 536.4  | 533.3  | 530.3  | 532.6  |
| 22.5°  | 588.7 | 581.1  | 573.5 | 559.1 | 548.5 | 531.8 | 524.2 | 519.7  | 515.1  | 513.6  | 514.4  |
| 25°    | 565.2 | 558.4  | 550.8 | 536.4 | 525.0 | 511.3 | 504.5 | 502.2  | 500.0  | 500.0  | 499.2  |
| 27.5°  | 542.4 | 535.6  | 528.8 | 515.9 | 504.5 | 494.6 | 489.3 | 487.1  | 484.8  | 486.3  | 487.8  |
| 30°    | 518.9 | 512.8  | 506.8 | 495.4 | 486.3 | 477.2 | 474.2 | 472.6  | 471.9  | 475.7  | 475.7  |
| 32.5°  | 497.7 | 492.4  | 487.8 | 477.2 | 468.1 | 460.5 | 458.2 | 459.0  | 459.7  | 462.0  | 463.5  |
| 35°    | 475.7 | 471.9  | 467.3 | 458.2 | 450.6 | 443.8 | 444.6 | 444.6  | 446.1  | 449.9  | 452.9  |
| 37.5°  | 455.9 | 450.6  | 446.8 | 439.3 | 433.2 | 427.1 | 429.4 | 431.7  | 433.2  | 437.7  | 439.3  |
| 40°    | 432.4 | 430.2  | 427.1 | 419.5 | 414.2 | 413.5 | 414.2 | 415.7  | 418.8  | 421.1  | 423.3  |
| 42.5°  | 413.5 | 410.4  | 406.6 | 400.6 | 396.0 | 396.8 | 397.5 | 399.1  | 400.6  | 404.4  | 406.6  |
| 45°    | 392.2 | 389.9  | 386.9 | 381.6 | 377.8 | 378.6 | 379.3 | 379.3  | 380.8  | 385.4  | 386.9  |
| 47.5°  | 368.7 | 369.5  | 365.7 | 360.4 | 358.1 | 358.1 | 358.1 | 359.6  | 363.4  | 364.9  | 365.7  |
| 50°    | 345.9 | 344.4  | 343.7 | 338.4 | 336.8 | 336.1 | 336.8 | 337.6  | 342.9  | 342.2  | 344.4  |
| 52.5°  | 321.7 | 321.7  | 320.9 | 317.9 | 315.6 | 315.6 | 314.1 | 317.9  | 319.4  | 320.9  | 323.2  |
| 55°    | 298.1 | 295.9  | 295.1 | 293.6 | 290.6 | 289.8 | 291.3 | 295.9  | 297.4  | 298.9  | 301.2  |
| 57.5°  | 272.4 | 272.4  | 270.8 | 268.6 | 268.6 | 268.6 | 268.6 | 271.6  | 273.9  | 275.4  | 279.9  |
| 60°    | 248.8 | 245.8  | 243.5 | 243.5 | 243.5 | 242.8 | 247.3 | 247.3  | 251.9  | 252.6  | 254.1  |
| 62.5°  | 220.8 | 219.2  | 217.7 | 218.5 | 217.7 | 219.2 | 220.8 | 223.8  | 224.6  | 226.8  | 229.1  |
| 65°    | 194.2 | 194.2  | 192.7 | 197.2 | 194.2 | 194.2 | 198.0 | 198.0  | 199.5  | 201.8  | 204.8  |
| 67.5°  | 168.4 | 169.2  | 167.7 | 167.7 | 169.2 | 169.9 | 170.7 | 173.7  | 174.5  | 177.5  | 181.3  |
| 70°    | 141.9 | 143.4  | 144.1 | 142.6 | 144.1 | 145.7 | 147.2 | 147.9  | 151.0  | 152.5  | 154.8  |
| 72.5°  | 118.3 | 119.9  | 117.6 | 118.3 | 119.1 | 120.6 | 121.4 | 122.9  | 124.4  | 129.0  | 130.5  |
| 75°    | 94.8  | 94.1   | 93.3  | 96.3  | 94.8  | 97.9  | 98.6  | 98.6   | 100.1  | 103.9  | 105.5  |
| 77.5°  | 72.8  | 72.8   | 73.6  | 72.1  | 74.3  | 73.6  | 74.3  | 76.6   | 78.9   | 78.9   | 85.0   |
| 80°    | 50.8  | 52.3   | 52.3  | 52.3  | 53.1  | 53.9  | 52.3  | 56.1   | 56.9   | 56.9   | 59.2   |
| 82.5°  | 32.6  | 33.4   | 32.6  | 34.1  | 34.1  | 35.7  | 34.9  | 35.7   | 37.2   | 38.7   | 39.4   |
| 85°    | 17.4  | 17.4   | 19.0  | 19.0  | 18.2  | 19.0  | 18.2  | 19.0   | 20.5   | 20.5   | 21.2   |
| 87.5°  | 6.1   | 6.1    | 6.1   | 6.1   | 6.8   | 6.1   | 6.8   | 6.8    | 6.1    | 6.1    | 8.3    |
| 90°    | 10.8  | 11.8   | 12.8  | 15.7  | 18.7  | 21.6  | 24.6  | 23.6   | 24.6   | 25.5   | 26.5   |
| 92.5°  | 50.1  | 59.0   | 67.8  | 99.2  | 151.3 | 202.4 | 182.8 | 136.6  | 97.3   | 75.7   | 65.8   |
| 95°    | 89.4  | 108.6  | 127.7 | 211.3 | 357.7 | 518.8 | 582.7 | 472.6  | 353.7  | 239.8  | 187.7  |
| 97.5°  | 103.2 | 124.3  | 145.4 | 228.0 | 398.0 | 669.2 | 896.1 | 926.6  | 812.6  | 613.2  | 483.4  |
| 100°   | 117.9 | 137.0  | 156.2 | 225.0 | 370.4 | 628.9 | 930.5 | 1124.1 | 1158.5 | 1078.9 | 963.9  |
| 102.5° | 134.6 | 151.8  | 169.0 | 228.9 | 346.9 | 569.9 | 866.7 | 1133.9 | 1273.5 | 1290.2 | 1235.1 |
| 105°   | 153.3 | 168.5  | 183.7 | 236.8 | 338.0 | 523.7 | 790.0 | 1072.0 | 1277.4 | 1375.7 | 1394.3 |
| 107.5° | 173.9 | 188.2  | 202.4 | 249.6 | 336.1 | 490.3 | 722.2 | 983.6  | 1218.4 | 1372.7 | 1449.4 |
| 110°   | 194.6 | 208.4  | 222.1 | 266.3 | 341.0 | 472.6 | 666.2 | 901.1  | 1126.1 | 1306.9 | 1430.7 |

TEST NUMBER: P1011705

CATALOG NUMBER: S123DIP-B560D1025UB40-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°   | 240°   | 245°   |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 112.5° | 216.2 | 229.4  | 242.7 | 283.0 | 350.8 | 462.8 | 628.9 | 829.3 | 1034.7 | 1220.4 | 1362.9 |
| 115°   | 237.8 | 251.0  | 264.3 | 301.7 | 361.6 | 461.8 | 604.3 | 774.3 | 956.1  | 1127.1 | 1271.5 |
| 117.5° | 259.4 | 271.7  | 284.0 | 321.3 | 375.4 | 462.8 | 587.6 | 737.9 | 895.2  | 1046.5 | 1179.1 |
| 120°   | 280.0 | 292.3  | 304.6 | 340.0 | 391.1 | 466.7 | 576.8 | 710.4 | 849.0  | 981.6  | 1099.5 |
| 122.5° | 298.7 | 312.0  | 325.2 | 359.6 | 405.8 | 473.6 | 569.9 | 687.8 | 812.6  | 929.6  | 1036.7 |
| 125°   | 317.4 | 330.6  | 343.9 | 378.3 | 421.5 | 480.5 | 564.0 | 669.2 | 781.2  | 888.3  | 982.6  |
| 127.5° | 335.1 | 348.4  | 361.6 | 395.0 | 434.3 | 488.4 | 561.1 | 651.5 | 752.7  | 850.0  | 936.4  |
| 130°   | 350.8 | 364.0  | 377.3 | 409.7 | 447.1 | 496.2 | 558.1 | 637.7 | 726.2  | 814.6  | 894.2  |
| 132.5° | 365.5 | 378.3  | 391.1 | 422.5 | 458.9 | 502.1 | 557.1 | 624.9 | 701.6  | 781.2  | 853.9  |
| 135°   | 378.3 | 391.6  | 404.8 | 435.3 | 468.7 | 508.0 | 556.2 | 614.1 | 680.0  | 749.7  | 813.6  |
| 137.5° | 390.1 | 402.4  | 414.7 | 444.1 | 476.6 | 511.9 | 554.2 | 604.3 | 659.3  | 718.3  | 775.3  |
| 140°   | 399.9 | 412.2  | 424.5 | 453.0 | 482.5 | 515.9 | 553.2 | 595.5 | 641.6  | 691.8  | 738.9  |
| 142.5° | 409.7 | 421.0  | 432.4 | 459.9 | 488.4 | 518.8 | 551.2 | 587.6 | 624.9  | 666.2  | 705.5  |
| 145°   | 417.6 | 428.9  | 440.2 | 465.8 | 492.3 | 519.8 | 549.3 | 580.7 | 612.2  | 644.6  | 676.0  |
| 147.5° | 427.4 | 437.2  | 447.1 | 470.7 | 495.2 | 519.8 | 546.3 | 573.8 | 601.4  | 627.9  | 654.4  |
| 150°   | 435.3 | 444.2  | 453.0 | 475.6 | 496.2 | 519.8 | 542.4 | 567.0 | 589.6  | 612.2  | 632.8  |
| 152.5° | 443.2 | 451.6  | 459.9 | 478.5 | 498.2 | 516.9 | 537.5 | 559.1 | 578.8  | 597.4  | 615.1  |
| 155°   | 452.0 | 458.9  | 465.8 | 482.5 | 498.2 | 514.9 | 531.6 | 551.2 | 568.0  | 583.7  | 598.4  |
| 157.5° | 459.9 | 465.3  | 470.7 | 484.4 | 499.2 | 511.9 | 526.7 | 542.4 | 556.2  | 569.9  | 581.7  |
| 160°   | 465.8 | 470.7  | 475.6 | 487.4 | 499.2 | 510.0 | 520.8 | 533.6 | 546.3  | 557.1  | 567.0  |
| 162.5° | 470.7 | 474.6  | 478.5 | 488.4 | 498.2 | 506.0 | 514.9 | 524.7 | 534.5  | 543.4  | 552.2  |
| 165°   | 474.6 | 478.0  | 481.5 | 489.3 | 496.2 | 502.1 | 509.0 | 516.9 | 524.7  | 530.6  | 537.5  |
| 167.5° | 478.5 | 481.0  | 483.4 | 489.3 | 495.2 | 498.2 | 503.1 | 509.0 | 515.9  | 520.8  | 524.7  |
| 170°   | 481.5 | 482.4  | 483.4 | 488.4 | 492.3 | 494.3 | 497.2 | 502.1 | 507.0  | 510.0  | 513.9  |
| 172.5° | 483.4 | 483.9  | 484.4 | 488.4 | 491.3 | 491.3 | 492.3 | 495.2 | 499.2  | 501.1  | 504.1  |
| 175°   | 484.4 | 484.9  | 485.4 | 487.4 | 489.3 | 488.4 | 488.4 | 490.3 | 492.3  | 493.3  | 495.2  |
| 177.5° | 485.4 | 485.4  | 485.4 | 486.4 | 488.4 | 486.4 | 485.4 | 486.4 | 487.4  | 488.4  | 489.3  |
| 180°   | 485.4 | 485.4  | 485.4 | 485.4 | 485.4 | 485.4 | 485.4 | 485.4 | 485.4  | 485.4  | 485.4  |



TEST NUMBER: P1011705

CATALOG NUMBER: S123DIP-B560D1025UB40-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  |
| 2.5°   | 742.7  | 743.5  | 740.4  | 738.2  | 744.2  | 740.4  | 740.4  | 741.2  | 739.7  | 742.0  | 741.2  |
| 5°     | 701.0  | 701.8  | 696.4  | 698.0  | 694.9  | 694.2  | 693.4  | 698.0  | 697.2  | 696.4  | 698.0  |
| 7.5°   | 660.0  | 660.0  | 657.7  | 656.2  | 656.2  | 654.0  | 657.0  | 656.2  | 657.7  | 657.7  | 660.0  |
| 10°    | 625.9  | 627.4  | 623.6  | 619.8  | 619.1  | 619.8  | 619.8  | 620.6  | 621.3  | 626.6  | 625.9  |
| 12.5°  | 597.8  | 595.5  | 594.8  | 592.5  | 588.7  | 587.2  | 585.7  | 594.0  | 591.7  | 591.7  | 591.7  |
| 15°    | 566.7  | 572.0  | 571.3  | 564.4  | 562.9  | 566.0  | 564.4  | 564.4  | 572.0  | 571.3  | 570.5  |
| 17.5°  | 550.0  | 548.5  | 547.0  | 543.2  | 544.0  | 543.2  | 544.0  | 544.0  | 548.5  | 548.5  | 548.5  |
| 20°    | 531.1  | 528.0  | 528.0  | 526.5  | 526.5  | 524.2  | 527.3  | 528.0  | 531.1  | 531.1  | 531.8  |
| 22.5°  | 514.4  | 512.1  | 512.1  | 511.3  | 512.8  | 509.8  | 512.8  | 513.6  | 513.6  | 515.9  | 515.9  |
| 25°    | 500.0  | 498.4  | 498.4  | 500.0  | 500.0  | 500.0  | 500.0  | 503.0  | 500.7  | 501.5  | 500.7  |
| 27.5°  | 487.1  | 487.8  | 488.6  | 489.3  | 488.6  | 489.3  | 490.1  | 491.6  | 492.4  | 491.6  | 490.1  |
| 30°    | 474.9  | 477.2  | 477.9  | 477.9  | 479.5  | 480.2  | 481.0  | 481.0  | 481.7  | 479.5  | 481.0  |
| 32.5°  | 465.8  | 465.8  | 467.3  | 468.1  | 469.6  | 470.4  | 470.4  | 471.9  | 471.1  | 468.8  | 469.6  |
| 35°    | 452.9  | 452.9  | 455.9  | 457.5  | 459.7  | 459.0  | 459.7  | 459.7  | 460.5  | 459.0  | 456.7  |
| 37.5°  | 440.0  | 441.5  | 441.5  | 444.6  | 445.3  | 446.1  | 445.3  | 446.8  | 446.1  | 444.6  | 443.8  |
| 40°    | 424.8  | 424.1  | 424.8  | 427.1  | 427.9  | 427.9  | 427.9  | 429.4  | 429.4  | 429.4  | 428.6  |
| 42.5°  | 405.9  | 408.2  | 407.4  | 409.7  | 408.9  | 408.9  | 410.4  | 411.9  | 412.7  | 410.4  | 411.2  |
| 45°    | 387.7  | 387.7  | 389.2  | 389.2  | 389.9  | 389.9  | 393.0  | 391.5  | 393.0  | 391.5  | 392.2  |
| 47.5°  | 367.9  | 368.7  | 368.7  | 369.5  | 371.0  | 372.5  | 371.0  | 371.7  | 371.7  | 372.5  | 371.0  |
| 50°    | 345.9  | 345.9  | 347.5  | 349.7  | 352.8  | 351.3  | 350.5  | 353.5  | 351.3  | 351.3  | 349.7  |
| 52.5°  | 323.2  | 325.5  | 326.2  | 328.5  | 330.8  | 331.5  | 332.3  | 330.8  | 331.5  | 329.3  | 330.0  |
| 55°    | 301.2  | 301.9  | 305.0  | 307.3  | 309.5  | 309.5  | 308.8  | 309.5  | 310.3  | 307.3  | 307.3  |
| 57.5°  | 279.2  | 281.5  | 284.5  | 284.5  | 287.5  | 287.5  | 286.8  | 286.8  | 287.5  | 285.3  | 284.5  |
| 60°    | 255.7  | 257.9  | 261.7  | 261.7  | 266.3  | 267.0  | 265.5  | 264.0  | 264.0  | 261.7  | 262.5  |
| 62.5°  | 230.6  | 232.9  | 235.2  | 239.0  | 242.0  | 240.5  | 243.5  | 240.5  | 241.3  | 236.7  | 236.7  |
| 65°    | 208.6  | 209.4  | 213.2  | 217.0  | 217.0  | 218.5  | 217.0  | 217.7  | 215.5  | 215.5  | 212.4  |
| 67.5°  | 182.8  | 182.8  | 186.6  | 190.4  | 194.2  | 194.2  | 194.2  | 191.9  | 191.9  | 189.7  | 189.7  |
| 70°    | 160.1  | 159.3  | 163.1  | 165.4  | 167.7  | 168.4  | 166.9  | 166.1  | 164.6  | 162.4  | 161.6  |
| 72.5°  | 132.0  | 133.5  | 137.3  | 138.8  | 142.6  | 141.9  | 145.7  | 141.1  | 141.1  | 137.3  | 136.6  |
| 75°    | 107.0  | 108.5  | 112.3  | 114.6  | 116.8  | 116.8  | 119.1  | 116.8  | 113.8  | 112.3  | 111.5  |
| 77.5°  | 85.0   | 84.2   | 87.2   | 91.0   | 91.8   | 91.0   | 92.6   | 91.8   | 88.8   | 88.8   | 87.2   |
| 80°    | 60.7   | 63.0   | 66.0   | 65.2   | 68.3   | 67.5   | 67.5   | 66.0   | 66.0   | 63.7   | 65.2   |
| 82.5°  | 40.2   | 42.5   | 43.2   | 42.5   | 43.2   | 44.8   | 45.5   | 44.8   | 44.8   | 43.2   | 44.0   |
| 85°    | 21.2   | 21.2   | 22.8   | 23.5   | 22.8   | 22.8   | 23.5   | 25.8   | 24.3   | 22.8   | 24.3   |
| 87.5°  | 6.8    | 6.1    | 6.1    | 6.8    | 6.1    | 6.1    | 6.8    | 6.8    | 7.6    | 7.6    | 7.6    |
| 90°    | 27.5   | 28.5   | 27.5   | 28.5   | 29.5   | 28.5   | 29.5   | 28.5   | 27.5   | 28.5   | 27.5   |
| 92.5°  | 62.4   | 59.0   | 57.0   | 53.1   | 54.0   | 52.1   | 54.0   | 53.1   | 57.0   | 59.0   | 62.4   |
| 95°    | 170.0  | 152.3  | 133.6  | 124.8  | 117.9  | 114.0  | 117.9  | 124.8  | 133.6  | 152.3  | 170.0  |
| 97.5°  | 427.4  | 371.4  | 305.6  | 268.3  | 244.7  | 233.9  | 244.7  | 268.3  | 305.6  | 371.4  | 427.4  |
| 100°   | 894.2  | 824.4  | 725.2  | 653.4  | 615.1  | 616.1  | 615.1  | 653.4  | 725.2  | 824.4  | 894.2  |
| 102.5° | 1197.3 | 1159.5 | 1087.8 | 1034.7 | 1004.2 | 975.7  | 1004.2 | 1034.7 | 1087.8 | 1159.5 | 1197.3 |
| 105°   | 1381.6 | 1368.8 | 1323.6 | 1286.2 | 1254.8 | 1249.9 | 1254.8 | 1286.2 | 1323.6 | 1368.8 | 1381.6 |
| 107.5° | 1462.6 | 1475.9 | 1470.0 | 1452.3 | 1439.5 | 1428.7 | 1439.5 | 1452.3 | 1470.0 | 1475.9 | 1462.6 |
| 110°   | 1465.1 | 1499.5 | 1527.0 | 1534.8 | 1532.9 | 1530.9 | 1532.9 | 1534.8 | 1527.0 | 1499.5 | 1465.1 |



TEST NUMBER: P1011705

CATALOG NUMBER: S123DIP-B560D1025UB40-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1409.6 | 1456.2 | 1512.2 | 1540.7 | 1550.6 | 1551.5 | 1550.6 | 1540.7 | 1512.2 | 1456.2 | 1409.6 |
| 115°   | 1325.0 | 1378.6 | 1452.3 | 1495.5 | 1515.2 | 1520.1 | 1515.2 | 1495.5 | 1452.3 | 1378.6 | 1325.0 |
| 117.5° | 1234.6 | 1290.2 | 1366.8 | 1415.0 | 1444.4 | 1451.3 | 1444.4 | 1415.0 | 1366.8 | 1290.2 | 1234.6 |
| 120°   | 1149.2 | 1198.8 | 1276.4 | 1331.4 | 1355.0 | 1360.9 | 1355.0 | 1331.4 | 1276.4 | 1198.8 | 1149.2 |
| 122.5° | 1081.9 | 1127.1 | 1193.9 | 1242.0 | 1268.6 | 1276.4 | 1268.6 | 1242.0 | 1193.9 | 1127.1 | 1081.9 |
| 125°   | 1021.9 | 1061.2 | 1124.1 | 1167.3 | 1191.9 | 1198.8 | 1191.9 | 1167.3 | 1124.1 | 1061.2 | 1021.9 |
| 127.5° | 972.8  | 1009.1 | 1066.1 | 1103.5 | 1126.1 | 1132.0 | 1126.1 | 1103.5 | 1066.1 | 1009.1 | 972.8  |
| 130°   | 927.6  | 961.0  | 1013.1 | 1048.4 | 1069.1 | 1076.9 | 1069.1 | 1048.4 | 1013.1 | 961.0  | 927.6  |
| 132.5° | 885.4  | 916.8  | 964.9  | 1000.3 | 1018.0 | 1022.9 | 1018.0 | 1000.3 | 964.9  | 916.8  | 885.4  |
| 135°   | 841.6  | 869.6  | 917.8  | 947.2  | 964.9  | 971.8  | 964.9  | 947.2  | 917.8  | 869.6  | 841.6  |
| 137.5° | 800.3  | 825.4  | 866.7  | 897.1  | 911.9  | 917.8  | 911.9  | 897.1  | 866.7  | 825.4  | 800.3  |
| 140°   | 760.0  | 781.2  | 818.5  | 846.0  | 861.8  | 860.8  | 861.8  | 846.0  | 818.5  | 781.2  | 760.0  |
| 142.5° | 723.2  | 740.9  | 771.4  | 794.9  | 808.7  | 807.7  | 808.7  | 794.9  | 771.4  | 740.9  | 723.2  |
| 145°   | 690.2  | 704.5  | 729.1  | 749.7  | 757.6  | 759.6  | 757.6  | 749.7  | 729.1  | 704.5  | 690.2  |
| 147.5° | 664.8  | 675.1  | 694.7  | 709.4  | 717.3  | 718.3  | 717.3  | 709.4  | 694.7  | 675.1  | 664.8  |
| 150°   | 642.2  | 651.5  | 666.2  | 677.0  | 682.9  | 682.9  | 682.9  | 677.0  | 666.2  | 651.5  | 642.2  |
| 152.5° | 622.5  | 629.9  | 640.7  | 650.5  | 653.4  | 653.4  | 653.4  | 650.5  | 640.7  | 629.9  | 622.5  |
| 155°   | 604.3  | 610.2  | 619.0  | 626.9  | 628.9  | 629.9  | 628.9  | 626.9  | 619.0  | 610.2  | 604.3  |
| 157.5° | 586.6  | 591.5  | 599.4  | 605.3  | 607.3  | 607.3  | 607.3  | 605.3  | 599.4  | 591.5  | 586.6  |
| 160°   | 570.4  | 573.8  | 580.7  | 586.6  | 586.6  | 585.6  | 586.6  | 586.6  | 580.7  | 573.8  | 570.4  |
| 162.5° | 555.2  | 558.1  | 562.1  | 567.0  | 567.0  | 566.0  | 567.0  | 567.0  | 562.1  | 558.1  | 555.2  |
| 165°   | 540.0  | 542.4  | 546.3  | 550.3  | 549.3  | 549.3  | 549.3  | 550.3  | 546.3  | 542.4  | 540.0  |
| 167.5° | 526.7  | 528.6  | 530.6  | 533.6  | 532.6  | 532.6  | 532.6  | 533.6  | 530.6  | 528.6  | 526.7  |
| 170°   | 514.9  | 515.9  | 516.9  | 518.8  | 517.8  | 517.8  | 517.8  | 518.8  | 516.9  | 515.9  | 514.9  |
| 172.5° | 504.6  | 505.1  | 505.1  | 507.0  | 505.1  | 504.1  | 505.1  | 507.0  | 505.1  | 505.1  | 504.6  |
| 175°   | 495.2  | 495.2  | 495.2  | 496.2  | 495.2  | 494.3  | 495.2  | 496.2  | 495.2  | 495.2  | 495.2  |
| 177.5° | 489.3  | 489.3  | 488.4  | 489.3  | 487.4  | 487.4  | 487.4  | 489.3  | 488.4  | 489.3  | 489.3  |
| 180°   | 485.4  | 485.4  | 485.4  | 485.4  | 485.4  | 485.4  | 485.4  | 485.4  | 485.4  | 485.4  | 485.4  |

TEST NUMBER: P1011705

CATALOG NUMBER: S123DIP-B560D1025UB40-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|--------|-------|
| 0°     | 782.9  | 782.9  | 782.9  | 782.9  | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 | 782.9  | 782.9 |
| 2.5°   | 743.5  | 745.0  | 745.8  | 742.7  | 740.4 | 744.2 | 749.5 | 753.3 | 756.4 | 760.2  | 762.4 |
| 5°     | 699.5  | 704.8  | 704.8  | 706.3  | 708.6 | 712.4 | 722.2 | 729.1 | 735.1 | 739.7  | 743.5 |
| 7.5°   | 662.3  | 666.1  | 668.4  | 672.2  | 676.0 | 681.3 | 692.6 | 702.5 | 711.6 | 716.9  | 723.0 |
| 10°    | 628.9  | 632.0  | 635.7  | 638.0  | 644.9 | 652.4 | 666.9 | 675.2 | 685.8 | 694.2  | 701.8 |
| 12.5°  | 597.1  | 607.7  | 610.0  | 609.2  | 615.3 | 623.6 | 638.0 | 650.9 | 662.3 | 670.6  | 679.0 |
| 15°    | 574.3  | 578.1  | 582.6  | 581.9  | 594.8 | 597.1 | 609.2 | 624.4 | 639.5 | 644.9  | 652.4 |
| 17.5°  | 549.3  | 555.3  | 559.9  | 562.2  | 566.0 | 574.3 | 585.7 | 597.1 | 616.8 | 617.5  | 637.3 |
| 20°    | 529.5  | 535.6  | 538.6  | 541.7  | 544.0 | 553.8 | 563.7 | 576.6 | 592.5 | 600.9  | 611.5 |
| 22.5°  | 516.6  | 519.7  | 522.0  | 524.2  | 527.3 | 532.6 | 544.7 | 559.1 | 569.7 | 578.9  | 585.7 |
| 25°    | 501.5  | 504.5  | 507.5  | 509.1  | 511.3 | 514.4 | 523.5 | 534.8 | 550.0 | 556.1  | 562.9 |
| 27.5°  | 490.8  | 490.8  | 492.4  | 492.4  | 495.4 | 498.4 | 505.3 | 515.9 | 528.0 | 535.6  | 544.7 |
| 30°    | 479.5  | 478.7  | 479.5  | 478.7  | 477.9 | 482.5 | 488.6 | 497.7 | 506.0 | 515.1  | 521.2 |
| 32.5°  | 468.1  | 467.3  | 467.3  | 468.1  | 465.1 | 467.3 | 470.4 | 478.7 | 487.8 | 492.4  | 499.2 |
| 35°    | 455.9  | 454.4  | 454.4  | 454.4  | 452.9 | 451.4 | 454.4 | 462.0 | 468.1 | 474.2  | 479.5 |
| 37.5°  | 443.8  | 441.5  | 441.5  | 440.0  | 438.5 | 436.2 | 436.2 | 442.3 | 450.6 | 452.9  | 459.7 |
| 40°    | 427.1  | 427.1  | 425.6  | 424.8  | 423.3 | 421.8 | 419.5 | 424.8 | 432.4 | 434.7  | 440.0 |
| 42.5°  | 410.4  | 408.2  | 407.4  | 407.4  | 407.4 | 405.1 | 403.6 | 407.4 | 411.9 | 415.7  | 418.8 |
| 45°    | 391.5  | 389.9  | 390.7  | 389.9  | 388.4 | 387.7 | 386.9 | 388.4 | 393.7 | 395.3  | 399.1 |
| 47.5°  | 371.0  | 370.2  | 370.2  | 369.5  | 368.7 | 369.5 | 366.4 | 370.2 | 371.7 | 373.3  | 376.3 |
| 50°    | 349.7  | 349.0  | 348.2  | 347.5  | 347.5 | 348.2 | 347.5 | 347.5 | 350.5 | 352.0  | 355.0 |
| 52.5°  | 328.5  | 326.2  | 326.2  | 325.5  | 325.5 | 323.9 | 325.5 | 326.2 | 327.7 | 329.3  | 330.8 |
| 55°    | 305.7  | 305.7  | 303.5  | 303.5  | 301.9 | 301.9 | 302.7 | 301.9 | 305.0 | 306.5  | 306.5 |
| 57.5°  | 283.7  | 280.7  | 281.5  | 279.9  | 278.4 | 277.7 | 277.7 | 279.2 | 280.7 | 280.7  | 282.2 |
| 60°    | 260.2  | 257.2  | 256.4  | 253.4  | 254.9 | 252.6 | 253.4 | 253.4 | 256.4 | 254.9  | 256.4 |
| 62.5°  | 236.7  | 232.9  | 230.6  | 229.1  | 229.1 | 229.9 | 228.4 | 227.6 | 229.1 | 230.6  | 233.7 |
| 65°    | 211.7  | 209.4  | 207.1  | 204.8  | 204.8 | 204.1 | 205.6 | 203.3 | 202.6 | 203.3  | 204.8 |
| 67.5°  | 185.9  | 183.6  | 181.3  | 179.0  | 179.8 | 177.5 | 176.0 | 178.3 | 176.8 | 177.5  | 179.0 |
| 70°    | 160.8  | 159.3  | 154.8  | 153.2  | 152.5 | 153.2 | 152.5 | 151.0 | 153.2 | 152.5  | 153.2 |
| 72.5°  | 135.8  | 134.3  | 132.0  | 128.2  | 128.2 | 127.5 | 126.7 | 126.7 | 125.9 | 125.9  | 125.9 |
| 75°    | 111.5  | 108.5  | 106.2  | 105.5  | 103.9 | 103.2 | 102.4 | 100.9 | 101.7 | 102.4  | 100.9 |
| 77.5°  | 86.5   | 82.7   | 81.9   | 81.9   | 79.7  | 79.7  | 80.4  | 79.7  | 78.9  | 78.9   | 78.9  |
| 80°    | 63.7   | 60.7   | 60.7   | 59.2   | 57.7  | 57.7  | 57.7  | 57.7  | 56.9  | 56.1   | 56.9  |
| 82.5°  | 41.0   | 40.2   | 39.4   | 39.4   | 41.0  | 37.9  | 39.4  | 38.7  | 37.9  | 37.9   | 37.2  |
| 85°    | 22.8   | 23.5   | 22.8   | 23.5   | 22.0  | 22.8  | 22.8  | 22.8  | 22.0  | 22.8   | 21.2  |
| 87.5°  | 8.3    | 8.3    | 8.3    | 9.1    | 9.1   | 9.1   | 9.1   | 9.1   | 9.9   | 9.1    | 9.1   |
| 90°    | 26.5   | 25.5   | 24.6   | 23.6   | 24.6  | 21.6  | 18.7  | 15.7  | 12.8  | 11.8   | 10.8  |
| 92.5°  | 65.8   | 75.7   | 97.3   | 136.6  | 182.8 | 202.4 | 151.3 | 99.2  | 67.8  | 59.0   | 50.1  |
| 95°    | 187.7  | 239.8  | 353.7  | 472.6  | 582.7 | 518.8 | 357.7 | 211.3 | 127.7 | 108.6  | 89.4  |
| 97.5°  | 483.4  | 613.2  | 812.6  | 926.6  | 896.1 | 669.2 | 398.0 | 228.0 | 145.4 | 124.3  | 103.2 |
| 100°   | 963.9  | 1078.9 | 1158.5 | 1124.1 | 930.5 | 628.9 | 370.4 | 225.0 | 156.2 | 137.0  | 117.9 |
| 102.5° | 1235.1 | 1290.2 | 1273.5 | 1133.9 | 866.7 | 569.9 | 346.9 | 228.9 | 169.0 | 151.8  | 134.6 |
| 105°   | 1394.3 | 1375.7 | 1277.4 | 1072.0 | 790.0 | 523.7 | 338.0 | 236.8 | 183.7 | 168.5  | 153.3 |
| 107.5° | 1449.4 | 1372.7 | 1218.4 | 983.6  | 722.2 | 490.3 | 336.1 | 249.6 | 202.4 | 188.2  | 173.9 |
| 110°   | 1430.7 | 1306.9 | 1126.1 | 901.1  | 666.2 | 472.6 | 341.0 | 266.3 | 222.1 | 208.4  | 194.6 |

TEST NUMBER: P1011705

CATALOG NUMBER: S123DIP-B560D1025UB40-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 1362.9 | 1220.4 | 1034.7 | 829.3 | 628.9 | 462.8 | 350.8 | 283.0 | 242.7 | 229.4  | 216.2 |
| 115°   | 1271.5 | 1127.1 | 956.1  | 774.3 | 604.3 | 461.8 | 361.6 | 301.7 | 264.3 | 251.0  | 237.8 |
| 117.5° | 1179.1 | 1046.5 | 895.2  | 737.9 | 587.6 | 462.8 | 375.4 | 321.3 | 284.0 | 271.7  | 259.4 |
| 120°   | 1099.5 | 981.6  | 849.0  | 710.4 | 576.8 | 466.7 | 391.1 | 340.0 | 304.6 | 292.3  | 280.0 |
| 122.5° | 1036.7 | 929.6  | 812.6  | 687.8 | 569.9 | 473.6 | 405.8 | 359.6 | 325.2 | 312.0  | 298.7 |
| 125°   | 982.6  | 888.3  | 781.2  | 669.2 | 564.0 | 480.5 | 421.5 | 378.3 | 343.9 | 330.6  | 317.4 |
| 127.5° | 936.4  | 850.0  | 752.7  | 651.5 | 561.1 | 488.4 | 434.3 | 395.0 | 361.6 | 348.4  | 335.1 |
| 130°   | 894.2  | 814.6  | 726.2  | 637.7 | 558.1 | 496.2 | 447.1 | 409.7 | 377.3 | 364.0  | 350.8 |
| 132.5° | 853.9  | 781.2  | 701.6  | 624.9 | 557.1 | 502.1 | 458.9 | 422.5 | 391.1 | 378.3  | 365.5 |
| 135°   | 813.6  | 749.7  | 680.0  | 614.1 | 556.2 | 508.0 | 468.7 | 435.3 | 404.8 | 391.6  | 378.3 |
| 137.5° | 775.3  | 718.3  | 659.3  | 604.3 | 554.2 | 511.9 | 476.6 | 444.1 | 414.7 | 402.4  | 390.1 |
| 140°   | 738.9  | 691.8  | 641.6  | 595.5 | 553.2 | 515.9 | 482.5 | 453.0 | 424.5 | 412.2  | 399.9 |
| 142.5° | 705.5  | 666.2  | 624.9  | 587.6 | 551.2 | 518.8 | 488.4 | 459.9 | 432.4 | 421.0  | 409.7 |
| 145°   | 676.0  | 644.6  | 612.2  | 580.7 | 549.3 | 519.8 | 492.3 | 465.8 | 440.2 | 428.9  | 417.6 |
| 147.5° | 654.4  | 627.9  | 601.4  | 573.8 | 546.3 | 519.8 | 495.2 | 470.7 | 447.1 | 437.2  | 427.4 |
| 150°   | 632.8  | 612.2  | 589.6  | 567.0 | 542.4 | 519.8 | 496.2 | 475.6 | 453.0 | 444.2  | 435.3 |
| 152.5° | 615.1  | 597.4  | 578.8  | 559.1 | 537.5 | 516.9 | 498.2 | 478.5 | 459.9 | 451.6  | 443.2 |
| 155°   | 598.4  | 583.7  | 568.0  | 551.2 | 531.6 | 514.9 | 498.2 | 482.5 | 465.8 | 458.9  | 452.0 |
| 157.5° | 581.7  | 569.9  | 556.2  | 542.4 | 526.7 | 511.9 | 499.2 | 484.4 | 470.7 | 465.3  | 459.9 |
| 160°   | 567.0  | 557.1  | 546.3  | 533.6 | 520.8 | 510.0 | 499.2 | 487.4 | 475.6 | 470.7  | 465.8 |
| 162.5° | 552.2  | 543.4  | 534.5  | 524.7 | 514.9 | 506.0 | 498.2 | 488.4 | 478.5 | 474.6  | 470.7 |
| 165°   | 537.5  | 530.6  | 524.7  | 516.9 | 509.0 | 502.1 | 496.2 | 489.3 | 481.5 | 478.0  | 474.6 |
| 167.5° | 524.7  | 520.8  | 515.9  | 509.0 | 503.1 | 498.2 | 495.2 | 489.3 | 483.4 | 481.0  | 478.5 |
| 170°   | 513.9  | 510.0  | 507.0  | 502.1 | 497.2 | 494.3 | 492.3 | 488.4 | 483.4 | 482.4  | 481.5 |
| 172.5° | 504.1  | 501.1  | 499.2  | 495.2 | 492.3 | 491.3 | 491.3 | 488.4 | 484.4 | 483.9  | 483.4 |
| 175°   | 495.2  | 493.3  | 492.3  | 490.3 | 488.4 | 488.4 | 489.3 | 487.4 | 485.4 | 484.9  | 484.4 |
| 177.5° | 489.3  | 488.4  | 487.4  | 486.4 | 485.4 | 486.4 | 488.4 | 486.4 | 485.4 | 485.4  | 485.4 |
| 180°   | 485.4  | 485.4  | 485.4  | 485.4 | 485.4 | 485.4 | 485.4 | 485.4 | 485.4 | 485.4  | 485.4 |

TEST NUMBER: P1011705

CATALOG NUMBER: S123DIP-B560D1025UB40-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 0°     | 782.9 | 782.9 | 782.9 | 782.9 |
| 2.5°   | 766.2 | 768.5 | 776.1 | 785.2 |
| 5°     | 751.1 | 757.1 | 767.8 | 782.2 |
| 7.5°   | 734.4 | 743.5 | 758.7 | 776.9 |
| 10°    | 715.4 | 728.3 | 747.3 | 770.0 |
| 12.5°  | 694.9 | 711.6 | 735.9 | 759.4 |
| 15°    | 682.0 | 698.7 | 720.7 | 746.5 |
| 17.5°  | 657.0 | 676.7 | 699.5 | 735.9 |
| 20°    | 631.2 | 653.2 | 682.8 | 719.2 |
| 22.5°  | 611.5 | 635.0 | 663.1 | 701.8 |
| 25°    | 588.0 | 612.2 | 642.6 | 682.8 |
| 27.5°  | 562.9 | 587.2 | 621.3 | 663.8 |
| 30°    | 544.0 | 567.5 | 600.1 | 645.6 |
| 32.5°  | 521.2 | 544.0 | 578.1 | 625.9 |
| 35°    | 495.4 | 521.2 | 553.8 | 602.4 |
| 37.5°  | 475.7 | 499.2 | 533.3 | 579.6 |
| 40°    | 454.4 | 474.9 | 508.3 | 553.8 |
| 42.5°  | 431.7 | 454.4 | 483.3 | 528.8 |
| 45°    | 410.4 | 427.1 | 456.7 | 500.0 |
| 47.5°  | 387.7 | 406.6 | 429.4 | 462.8 |
| 50°    | 363.4 | 379.3 | 404.4 | 427.1 |
| 52.5°  | 339.9 | 352.8 | 374.0 | 391.5 |
| 55°    | 314.8 | 327.7 | 343.7 | 354.3 |
| 57.5°  | 291.3 | 300.4 | 311.0 | 317.9 |
| 60°    | 262.5 | 271.6 | 278.4 | 285.3 |
| 62.5°  | 236.7 | 243.5 | 247.3 | 251.1 |
| 65°    | 210.1 | 213.9 | 216.2 | 219.2 |
| 67.5°  | 181.3 | 185.1 | 185.9 | 190.4 |
| 70°    | 154.8 | 155.5 | 157.0 | 159.3 |
| 72.5°  | 129.7 | 131.2 | 130.5 | 132.0 |
| 75°    | 103.9 | 105.5 | 103.9 | 105.5 |
| 77.5°  | 78.9  | 80.4  | 80.4  | 82.7  |
| 80°    | 56.9  | 57.7  | 58.4  | 58.4  |
| 82.5°  | 37.2  | 39.4  | 37.9  | 38.7  |
| 85°    | 21.2  | 22.0  | 22.0  | 22.8  |
| 87.5°  | 9.9   | 10.6  | 9.9   | 11.4  |
| 90°    | 8.8   | 5.9   | 3.9   | 2.0   |
| 92.5°  | 40.3  | 31.4  | 21.6  | 14.7  |
| 95°    | 63.9  | 47.2  | 36.4  | 33.4  |
| 97.5°  | 77.6  | 62.9  | 54.0  | 53.1  |
| 100°   | 94.3  | 80.6  | 73.7  | 72.7  |
| 102.5° | 114.0 | 101.2 | 95.3  | 93.3  |
| 105°   | 134.6 | 122.8 | 116.9 | 114.0 |
| 107.5° | 156.2 | 144.4 | 138.5 | 135.6 |
| 110°   | 177.9 | 167.0 | 162.1 | 159.2 |

TEST NUMBER: P1011705

CATALOG NUMBER: S123DIP-B560D1025UB40-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 199.5 | 188.7 | 183.7 | 180.8 |
| 115°   | 221.1 | 211.3 | 205.4 | 201.4 |
| 117.5° | 240.7 | 231.9 | 227.0 | 222.1 |
| 120°   | 261.4 | 251.5 | 246.6 | 243.7 |
| 122.5° | 281.0 | 270.2 | 265.3 | 262.4 |
| 125°   | 298.7 | 287.9 | 282.0 | 280.0 |
| 127.5° | 314.4 | 303.6 | 296.7 | 293.8 |
| 130°   | 330.2 | 318.4 | 309.5 | 306.6 |
| 132.5° | 344.9 | 330.2 | 320.3 | 316.4 |
| 135°   | 357.7 | 342.9 | 332.1 | 328.2 |
| 137.5° | 369.5 | 353.7 | 342.9 | 339.0 |
| 140°   | 380.3 | 364.5 | 354.7 | 349.8 |
| 142.5° | 390.1 | 376.3 | 365.5 | 361.6 |
| 145°   | 400.9 | 386.2 | 377.3 | 374.4 |
| 147.5° | 410.7 | 398.0 | 389.1 | 387.1 |
| 150°   | 421.5 | 408.8 | 400.9 | 399.9 |
| 152.5° | 431.4 | 420.6 | 412.7 | 412.7 |
| 155°   | 441.2 | 431.4 | 425.5 | 425.5 |
| 157.5° | 450.0 | 441.2 | 436.3 | 435.3 |
| 160°   | 458.9 | 451.0 | 447.1 | 447.1 |
| 162.5° | 464.8 | 458.9 | 455.9 | 455.9 |
| 165°   | 470.7 | 465.8 | 463.8 | 464.8 |
| 167.5° | 475.6 | 471.7 | 470.7 | 471.7 |
| 170°   | 479.5 | 476.6 | 475.6 | 477.6 |
| 172.5° | 482.5 | 480.5 | 480.5 | 481.5 |
| 175°   | 484.4 | 482.5 | 483.4 | 484.4 |
| 177.5° | 485.4 | 484.4 | 485.4 | 486.4 |
| 180°   | 485.4 | 485.4 | 485.4 | 485.4 |

(END OF REPORT)