

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P331894-935

Luminaire Tested: **S123DIP-S340D1025U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331894-935  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123DIP-S340D1025U935-4F0-1E-UDD-A4  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1025 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4447.0 lumens  
Efficiency: N/A  
Efficacy: 119.2 lumens/watt  
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: Semi-Indirect

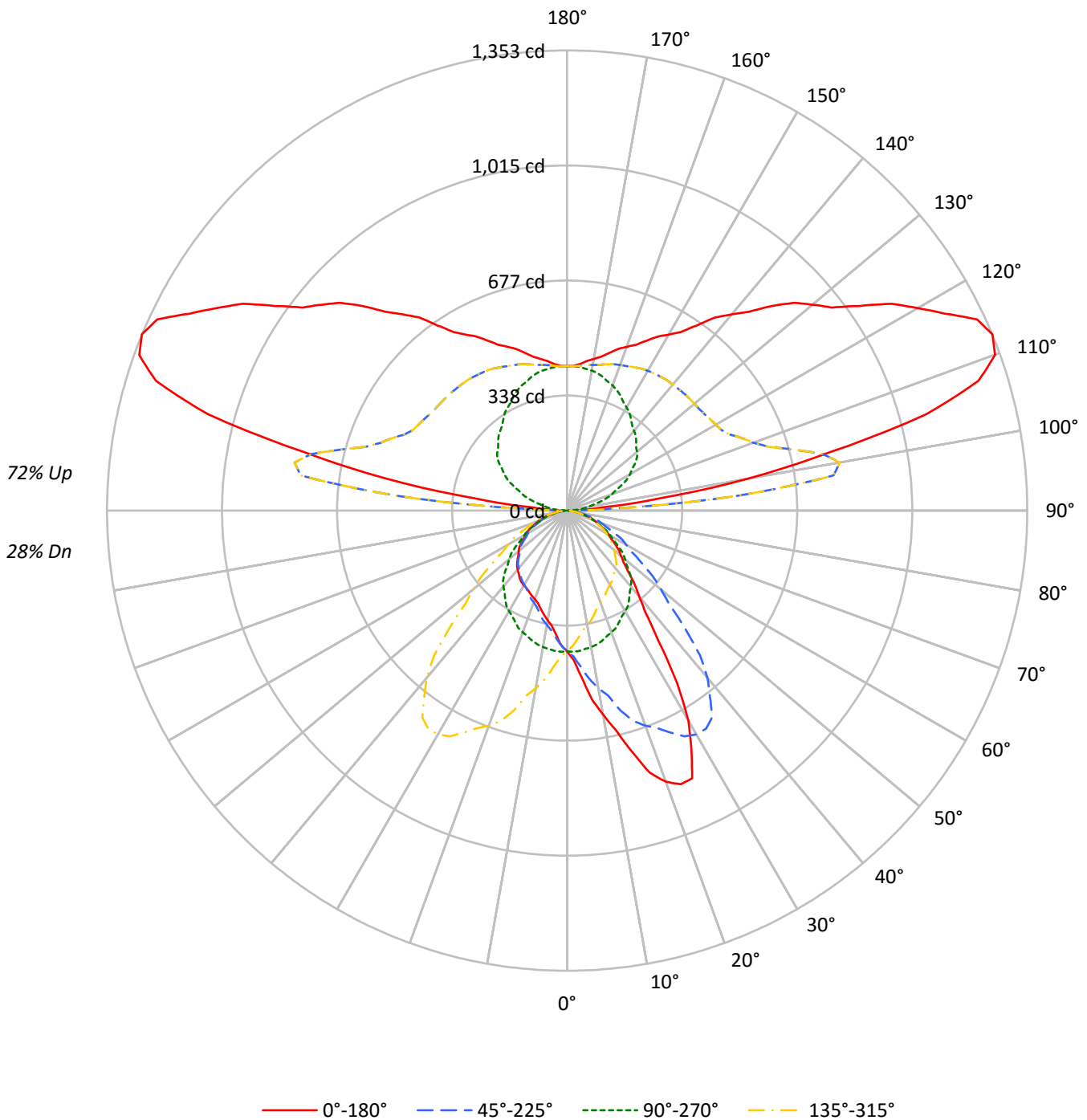
Input Watts (W): 37.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P331894-935

CATALOG NUMBER: S123DIP-S340D1025U935-4F0-1E-UDD-A4

### Luminous Intensity Polar Plot





TEST NUMBER: P331894-935

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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    | 20 |    |    | 20 |    |    | 20 |    |    | 20 |
| RC  | 80  |     |     |     | 70 |    |    |    | 50 |    |    | 30 |    |    | 10 |    |    | 0  |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0  |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 102 | 102 | 102 | 102 | 91 | 91 | 91 | 91 | 71 | 71 | 71 | 53 | 53 | 53 | 36 | 36 | 36 | 28 |
| 1   | 93  | 89  | 85  | 82  | 83 | 80 | 77 | 74 | 62 | 60 | 59 | 47 | 45 | 44 | 32 | 31 | 31 | 24 |
| 2   | 85  | 78  | 72  | 67  | 76 | 70 | 65 | 61 | 55 | 52 | 49 | 41 | 39 | 37 | 28 | 27 | 26 | 20 |
| 3   | 77  | 68  | 61  | 56  | 69 | 61 | 56 | 51 | 48 | 44 | 41 | 36 | 34 | 31 | 25 | 24 | 22 | 17 |
| 4   | 71  | 60  | 53  | 47  | 63 | 54 | 48 | 43 | 43 | 38 | 35 | 32 | 29 | 27 | 23 | 21 | 19 | 15 |
| 5   | 65  | 54  | 46  | 40  | 58 | 48 | 42 | 37 | 38 | 34 | 30 | 29 | 26 | 23 | 20 | 18 | 17 | 13 |
| 6   | 60  | 48  | 40  | 35  | 53 | 43 | 37 | 32 | 35 | 30 | 26 | 26 | 23 | 20 | 18 | 16 | 15 | 12 |
| 7   | 55  | 43  | 36  | 30  | 49 | 39 | 33 | 28 | 31 | 26 | 23 | 24 | 20 | 18 | 17 | 15 | 13 | 10 |
| 8   | 51  | 39  | 32  | 27  | 46 | 35 | 29 | 24 | 28 | 24 | 20 | 22 | 18 | 16 | 15 | 13 | 12 | 9  |
| 9   | 47  | 36  | 28  | 24  | 42 | 32 | 26 | 22 | 26 | 21 | 18 | 20 | 17 | 14 | 14 | 12 | 11 | 8  |
| 10  | 44  | 33  | 26  | 21  | 40 | 30 | 23 | 19 | 24 | 19 | 16 | 18 | 15 | 13 | 13 | 11 | 10 | 8  |

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

|     | 0°    | 90°  | 180° | 270° |
|-----|-------|------|------|------|
| 0°  | 4456  | 4456 | 4456 | 4456 |
| 5°  | 5314  | 4475 | 3965 | 4475 |
| 10° | 6652  | 4453 | 3583 | 4453 |
| 15° | 8158  | 4416 | 3335 | 4416 |
| 20° | 9718  | 4361 | 3175 | 4361 |
| 25° | 10320 | 4292 | 3139 | 4292 |
| 30° | 8846  | 4243 | 3156 | 4243 |
| 35° | 6151  | 4172 | 3189 | 4172 |
| 40° | 4634  | 4089 | 3180 | 4089 |
| 45° | 3847  | 3965 | 3139 | 3965 |
| 50° | 3446  | 3716 | 3110 | 3716 |
| 55° | 3222  | 3445 | 3072 | 3445 |
| 60° | 3023  | 3160 | 3040 | 3160 |
| 65° | 2840  | 2881 | 2942 | 2881 |
| 70° | 2662  | 2565 | 2801 | 2565 |
| 75° | 2383  | 2246 | 2570 | 2246 |
| 80° | 2089  | 1841 | 2213 | 1841 |
| 85° | 1643  | 1334 | 1494 | 1334 |



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CATALOG NUMBER: S123DIP-S340D1025U935-4F0-1E-UDD-A4

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 40.8   | 0.9       |
| 10°-20°   | 130.8  | 2.9       |
| 20°-30°   | 219.5  | 4.9       |
| 30°-40°   | 248.5  | 5.6       |
| 40°-50°   | 222.9  | 5.0       |
| 50°-60°   | 179.8  | 4.0       |
| 60°-70°   | 125.3  | 2.8       |
| 70°-80°   | 65.9   | 1.5       |
| 80°-90°   | 19.4   | 0.4       |
| 90°-100°  | 236.3  | 5.3       |
| 100°-110° | 669.0  | 15.0      |
| 110°-120° | 658.1  | 14.8      |
| 120°-130° | 525.0  | 11.8      |
| 130°-140° | 413.9  | 9.3       |
| 140°-150° | 308.9  | 6.9       |
| 150°-160° | 215.3  | 4.8       |
| 160°-170° | 126.5  | 2.8       |
| 170°-180° | 41.2   | 0.9       |
| 0°-30°    | 391.0  | 8.8       |
| 0°-40°    | 639.5  | 14.4      |
| 0°-60°    | 1042.2 | 23.4      |
| 0°-90°    | 1252.8 | 28.2      |
| 90°-120°  | 1563.5 | 35.2      |
| 90°-150°  | 2811.2 | 63.2      |
| 90°-180°  | 3194.0 | 71.8      |
| 0°-180°   | 4447.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90° | 180° | 270° | 360° | Flux |
|------|------|-----|------|------|------|------|
| 0°   | 414  | 414 | 414  | 414  | 414  |      |
| 5°   | 492  | 414 | 367  | 414  | 492  | 51   |
| 15°  | 732  | 396 | 299  | 396  | 732  | 211  |
| 25°  | 869  | 361 | 264  | 361  | 869  | 381  |
| 35°  | 468  | 318 | 243  | 318  | 468  | 304  |
| 45°  | 253  | 260 | 206  | 260  | 253  | 200  |
| 55°  | 172  | 184 | 164  | 184  | 172  | 154  |
| 65°  | 112  | 113 | 116  | 113  | 112  | 111  |
| 75°  | 57   | 54  | 62   | 54   | 57   | 61   |
| 85°  | 13   | 11  | 12   | 11   | 13   | 16   |
| 90°  | 25   | 2   | 25   | 2    | 25   | 14   |
| 95°  | 100  | 29  | 100  | 29   | 100  | 180  |
| 105° | 1093 | 100 | 1093 | 100  | 1093 | 1078 |
| 115° | 1330 | 176 | 1330 | 176  | 1330 | 1292 |
| 125° | 1048 | 245 | 1048 | 245  | 1048 | 950  |
| 135° | 850  | 287 | 850  | 287  | 850  | 659  |
| 145° | 664  | 327 | 664  | 327  | 664  | 423  |
| 155° | 551  | 372 | 551  | 372  | 551  | 257  |
| 165° | 480  | 406 | 480  | 406  | 480  | 137  |
| 175° | 432  | 424 | 432  | 424  | 432  | 42   |
| 180° | 425  | 425 | 425  | 425  | 425  |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°   | 45°   | 50°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0°     | 414.0  | 414.0  | 414.0  | 414.0  | 414.0  | 414.0  | 414.0  | 414.0  | 414.0 | 414.0 | 414.0 |
| 2.5°   | 439.4  | 439.0  | 438.2  | 438.9  | 437.6  | 435.8  | 435.7  | 434.0  | 429.4 | 429.1 | 427.8 |
| 5°     | 491.8  | 490.3  | 490.0  | 489.8  | 487.0  | 483.2  | 476.0  | 475.4  | 465.7 | 461.0 | 455.1 |
| 7.5°   | 559.8  | 560.6  | 557.7  | 555.2  | 546.6  | 540.9  | 533.1  | 523.2  | 511.4 | 499.4 | 491.5 |
| 10°    | 608.6  | 615.2  | 607.0  | 601.3  | 596.2  | 586.3  | 574.9  | 560.6  | 546.4 | 529.8 | 517.1 |
| 12.5°  | 660.9  | 664.1  | 662.5  | 657.2  | 649.1  | 634.1  | 613.9  | 598.1  | 585.0 | 557.3 | 546.1 |
| 15°    | 732.1  | 744.3  | 736.5  | 718.5  | 718.8  | 704.6  | 678.2  | 649.1  | 633.6 | 609.3 | 576.3 |
| 17.5°  | 808.0  | 809.5  | 806.2  | 791.2  | 781.2  | 761.6  | 737.1  | 709.3  | 678.0 | 648.6 | 613.5 |
| 20°    | 848.4  | 847.2  | 840.2  | 832.4  | 815.2  | 800.0  | 773.3  | 742.2  | 702.1 | 673.1 | 634.8 |
| 22.5°  | 870.9  | 868.9  | 865.6  | 859.0  | 844.7  | 828.4  | 804.3  | 770.4  | 732.2 | 692.4 | 648.2 |
| 25°    | 868.9  | 871.5  | 871.9  | 870.1  | 865.1  | 855.3  | 836.5  | 809.3  | 771.3 | 720.1 | 674.0 |
| 27.5°  | 790.3  | 794.0  | 804.7  | 814.2  | 824.8  | 835.7  | 834.2  | 820.8  | 792.6 | 748.4 | 692.0 |
| 30°    | 711.7  | 703.6  | 723.5  | 748.6  | 765.6  | 795.7  | 812.5  | 813.6  | 797.7 | 759.8 | 704.8 |
| 32.5°  | 602.5  | 611.4  | 620.2  | 651.0  | 688.3  | 722.0  | 755.6  | 782.6  | 785.7 | 760.4 | 712.4 |
| 35°    | 468.1  | 479.2  | 495.2  | 511.3  | 551.4  | 585.9  | 644.9  | 696.2  | 737.1 | 742.5 | 713.1 |
| 37.5°  | 377.3  | 382.7  | 392.9  | 409.0  | 435.1  | 476.1  | 521.7  | 586.6  | 645.9 | 690.0 | 691.9 |
| 40°    | 329.8  | 331.4  | 342.8  | 355.0  | 376.3  | 410.0  | 451.1  | 508.5  | 579.5 | 641.1 | 666.8 |
| 42.5°  | 294.1  | 297.6  | 302.6  | 314.3  | 331.2  | 356.5  | 394.8  | 442.2  | 507.3 | 578.2 | 628.4 |
| 45°    | 252.7  | 256.8  | 259.8  | 267.6  | 279.7  | 296.7  | 323.3  | 366.7  | 416.2 | 489.4 | 557.0 |
| 47.5°  | 225.4  | 225.7  | 227.9  | 233.8  | 242.0  | 254.9  | 273.7  | 301.5  | 347.0 | 406.4 | 475.8 |
| 50°    | 205.8  | 209.0  | 209.8  | 214.4  | 220.8  | 230.2  | 245.9  | 269.6  | 306.9 | 359.0 | 422.8 |
| 52.5°  | 192.0  | 193.0  | 195.2  | 198.5  | 204.1  | 211.5  | 225.1  | 243.6  | 272.9 | 317.4 | 376.0 |
| 55°    | 171.7  | 171.7  | 173.9  | 176.5  | 179.7  | 186.3  | 195.4  | 209.0  | 231.3 | 265.8 | 314.4 |
| 57.5°  | 152.9  | 153.9  | 155.5  | 156.3  | 159.0  | 163.4  | 170.9  | 181.3  | 197.9 | 224.5 | 263.0 |
| 60°    | 140.4  | 142.2  | 142.0  | 143.6  | 146.0  | 149.5  | 155.8  | 164.3  | 179.1 | 200.4 | 232.9 |
| 62.5°  | 129.5  | 129.4  | 129.3  | 131.3  | 133.6  | 136.9  | 141.1  | 148.4  | 161.0 | 179.9 | 207.5 |
| 65°    | 111.5  | 111.2  | 112.5  | 113.7  | 114.5  | 116.9  | 120.1  | 126.6  | 135.0 | 149.0 | 170.5 |
| 67.5°  | 95.6   | 94.4   | 95.1   | 95.6   | 96.9   | 98.8   | 101.9  | 105.8  | 112.4 | 123.7 | 139.9 |
| 70°    | 84.6   | 83.6   | 83.4   | 83.9   | 85.1   | 86.4   | 88.7   | 92.5   | 98.7  | 107.7 | 119.5 |
| 72.5°  | 73.4   | 72.8   | 72.7   | 73.6   | 74.1   | 75.1   | 76.6   | 80.1   | 85.1  | 91.9  | 102.9 |
| 75°    | 57.3   | 57.3   | 57.3   | 57.6   | 58.2   | 59.0   | 60.2   | 62.0   | 65.8  | 70.6  | 78.0  |
| 77.5°  | 43.0   | 43.0   | 42.7   | 42.7   | 43.6   | 43.9   | 44.2   | 45.9   | 48.0  | 51.2  | 56.7  |
| 80°    | 33.7   | 32.7   | 33.1   | 33.7   | 34.1   | 34.3   | 34.9   | 35.3   | 37.1  | 38.9  | 42.7  |
| 82.5°  | 25.1   | 24.2   | 24.3   | 25.2   | 25.3   | 25.5   | 26.1   | 26.6   | 27.3  | 28.9  | 31.0  |
| 85°    | 13.3   | 13.3   | 13.4   | 13.4   | 13.6   | 13.4   | 14.0   | 14.2   | 14.2  | 15.2  | 16.4  |
| 87.5°  | 9.8    | 9.6    | 9.6    | 9.6    | 9.6    | 9.5    | 9.5    | 9.5    | 9.4   | 9.7   | 9.4   |
| 90°    | 24.9   | 25.7   | 24.9   | 24.0   | 24.9   | 23.2   | 22.4   | 21.5   | 20.7  | 21.5  | 18.9  |
| 92.5°  | 41.4   | 43.0   | 42.1   | 44.7   | 46.2   | 50.7   | 57.4   | 72.3   | 99.7  | 132.2 | 145.4 |
| 95°    | 99.7   | 103.1  | 109.2  | 116.9  | 133.2  | 164.2  | 209.7  | 309.4  | 413.4 | 509.6 | 453.7 |
| 97.5°  | 271.4  | 278.8  | 302.0  | 340.7  | 404.1  | 506.9  | 617.8  | 771.3  | 845.0 | 789.8 | 578.2 |
| 100°   | 538.9  | 538.0  | 571.5  | 634.3  | 721.1  | 843.1  | 943.7  | 1013.3 | 983.2 | 813.9 | 550.0 |
| 102.5° | 790.5  | 810.3  | 838.3  | 887.9  | 955.5  | 1032.9 | 1091.5 | 1093.7 | 990.1 | 769.2 | 508.8 |
| 105°   | 1093.2 | 1097.5 | 1125.0 | 1157.6 | 1197.2 | 1219.5 | 1203.2 | 1117.2 | 937.6 | 691.0 | 458.1 |
| 107.5° | 1267.5 | 1275.4 | 1284.7 | 1295.7 | 1295.0 | 1264.4 | 1189.1 | 1049.6 | 845.8 | 621.9 | 425.8 |
| 110°   | 1339.0 | 1340.7 | 1342.5 | 1335.6 | 1311.5 | 1251.3 | 1143.1 | 984.9  | 788.1 | 582.7 | 413.4 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°   | 40°   | 45°   | 50°   |
|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 112.5° | 1353.4 | 1353.1 | 1346.5 | 1325.3 | 1281.3 | 1203.9 | 1082.5 | 920.9 | 737.9 | 556.6 | 406.5 |
| 115°   | 1329.6 | 1325.3 | 1308.0 | 1270.2 | 1205.7 | 1112.1 | 985.8  | 836.2 | 677.3 | 528.6 | 403.9 |
| 117.5° | 1253.5 | 1247.8 | 1223.0 | 1179.7 | 1112.4 | 1017.4 | 904.0  | 774.9 | 640.6 | 512.0 | 405.4 |
| 120°   | 1190.3 | 1185.2 | 1164.5 | 1116.4 | 1048.5 | 961.7  | 858.6  | 742.5 | 621.4 | 504.5 | 408.2 |
| 122.5° | 1131.2 | 1124.6 | 1102.0 | 1058.7 | 998.3  | 917.7  | 822.2  | 717.1 | 605.5 | 499.6 | 413.0 |
| 125°   | 1048.5 | 1042.5 | 1021.0 | 983.2  | 928.2  | 859.5  | 777.0  | 683.3 | 585.3 | 493.4 | 420.3 |
| 127.5° | 980.4  | 974.9  | 955.5  | 923.2  | 874.2  | 811.7  | 737.2  | 653.7 | 567.4 | 490.3 | 428.5 |
| 130°   | 941.9  | 935.0  | 917.1  | 886.1  | 840.5  | 782.0  | 712.5  | 635.2 | 557.8 | 488.2 | 434.0 |
| 132.5° | 904.1  | 899.3  | 883.3  | 852.4  | 809.6  | 753.9  | 689.1  | 617.9 | 548.8 | 487.5 | 438.2 |
| 135°   | 850.0  | 844.0  | 828.5  | 802.7  | 760.6  | 711.6  | 655.7  | 594.7 | 537.2 | 486.5 | 444.4 |
| 137.5° | 792.7  | 788.8  | 775.8  | 749.6  | 714.2  | 671.8  | 623.6  | 573.6 | 527.0 | 484.6 | 448.4 |
| 140°   | 752.9  | 753.7  | 739.9  | 715.9  | 683.3  | 646.3  | 605.0  | 561.2 | 520.8 | 483.9 | 451.2 |
| 142.5° | 715.7  | 716.6  | 704.2  | 682.9  | 655.0  | 622.9  | 587.2  | 549.5 | 515.3 | 482.5 | 453.2 |
| 145°   | 664.3  | 662.6  | 655.7  | 637.7  | 616.2  | 591.2  | 563.8  | 535.5 | 507.9 | 480.4 | 454.6 |
| 147.5° | 622.1  | 621.4  | 614.8  | 602.6  | 586.3  | 568.6  | 546.4  | 523.9 | 500.7 | 477.2 | 454.6 |
| 150°   | 597.3  | 597.3  | 592.1  | 582.7  | 569.8  | 553.5  | 535.5  | 515.7 | 495.8 | 474.4 | 454.6 |
| 152.5° | 576.7  | 576.7  | 573.6  | 564.8  | 554.7  | 541.1  | 525.1  | 508.1 | 490.4 | 471.0 | 452.5 |
| 155°   | 550.9  | 550.0  | 548.3  | 541.5  | 533.7  | 523.4  | 510.5  | 496.7 | 482.2 | 464.9 | 450.3 |
| 157.5° | 527.4  | 527.5  | 526.2  | 521.0  | 514.3  | 506.2  | 496.2  | 484.7 | 472.9 | 459.6 | 447.5 |
| 160°   | 512.2  | 513.1  | 513.1  | 507.9  | 501.9  | 495.8  | 487.3  | 477.9 | 466.7 | 455.5 | 446.1 |
| 162.5° | 498.4  | 499.3  | 499.3  | 494.9  | 490.9  | 485.6  | 477.7  | 469.6 | 460.5 | 451.3 | 443.3 |
| 165°   | 480.4  | 480.4  | 481.3  | 477.9  | 474.4  | 470.1  | 464.1  | 458.9 | 452.0 | 445.2 | 439.2 |
| 167.5° | 463.2  | 463.2  | 464.1  | 461.7  | 460.1  | 457.0  | 453.6  | 449.6 | 444.0 | 439.0 | 435.1 |
| 170°   | 452.9  | 452.9  | 453.7  | 452.0  | 451.2  | 449.4  | 446.1  | 443.5 | 439.2 | 434.9 | 432.3 |
| 172.5° | 443.3  | 444.0  | 445.6  | 443.8  | 443.7  | 442.6  | 439.9  | 438.0 | 434.4 | 431.4 | 430.2 |
| 175°   | 432.3  | 433.2  | 434.0  | 433.2  | 433.2  | 433.2  | 431.4  | 430.6 | 428.9 | 427.1 | 427.1 |
| 177.5° | 425.9  | 425.9  | 427.3  | 426.6  | 427.3  | 427.3  | 426.6  | 425.9 | 425.2 | 424.6 | 425.2 |
| 180°   | 424.6  | 424.6  | 424.6  | 424.6  | 424.6  | 424.6  | 424.6  | 424.6 | 424.6 | 424.6 | 424.6 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 |
| 2.5°   | 426.8 | 425.6 | 424.3 | 422.1 | 420.1 | 417.4 | 416.6 | 415.6 | 412.7 | 410.2 | 408.2 |
| 5°     | 452.9 | 448.1 | 441.1 | 434.6 | 429.5 | 422.4 | 418.4 | 414.2 | 408.2 | 402.8 | 398.4 |
| 7.5°   | 480.2 | 470.7 | 459.8 | 448.1 | 437.0 | 426.5 | 417.9 | 410.3 | 401.8 | 393.9 | 387.6 |
| 10°    | 501.9 | 488.2 | 472.9 | 456.5 | 442.5 | 428.9 | 417.4 | 407.4 | 396.6 | 387.1 | 379.3 |
| 12.5°  | 526.6 | 506.4 | 485.3 | 465.4 | 448.8 | 429.8 | 415.9 | 403.2 | 390.9 | 379.6 | 370.8 |
| 15°    | 555.8 | 530.1 | 505.2 | 477.8 | 452.5 | 428.9 | 412.4 | 396.3 | 382.1 | 370.5 | 359.2 |
| 17.5°  | 582.5 | 553.4 | 520.6 | 487.2 | 456.7 | 428.6 | 405.6 | 387.4 | 369.6 | 355.4 | 344.2 |
| 20°    | 597.5 | 564.5 | 527.4 | 492.7 | 458.9 | 427.7 | 402.3 | 380.7 | 361.4 | 346.4 | 333.8 |
| 22.5°  | 610.5 | 571.8 | 533.4 | 496.3 | 458.7 | 425.1 | 396.4 | 374.1 | 353.3 | 338.5 | 325.1 |
| 25°    | 624.1 | 577.6 | 539.2 | 495.7 | 453.7 | 418.8 | 386.8 | 361.4 | 340.6 | 323.3 | 309.5 |
| 27.5°  | 635.6 | 577.3 | 531.6 | 484.7 | 445.7 | 410.8 | 376.5 | 349.4 | 327.3 | 308.5 | 294.5 |
| 30°    | 643.3 | 578.1 | 523.7 | 477.4 | 438.1 | 402.0 | 368.7 | 341.4 | 318.1 | 299.1 | 285.9 |
| 32.5°  | 648.1 | 577.6 | 516.5 | 467.1 | 425.9 | 393.9 | 360.2 | 331.9 | 308.0 | 289.3 | 276.6 |
| 35°    | 650.9 | 574.0 | 504.0 | 445.9 | 406.2 | 375.1 | 346.8 | 317.5 | 292.5 | 275.0 | 260.5 |
| 37.5°  | 645.2 | 566.6 | 489.7 | 425.4 | 381.9 | 351.4 | 327.5 | 302.6 | 278.6 | 259.4 | 246.9 |
| 40°    | 636.5 | 561.8 | 478.4 | 411.0 | 365.2 | 335.8 | 315.6 | 291.0 | 267.3 | 249.1 | 237.5 |
| 42.5°  | 619.6 | 552.1 | 466.1 | 394.9 | 347.9 | 318.5 | 299.8 | 279.3 | 256.9 | 239.8 | 228.2 |
| 45°    | 578.5 | 530.7 | 447.5 | 370.9 | 322.4 | 291.9 | 275.4 | 260.5 | 240.3 | 223.7 | 213.6 |
| 47.5°  | 521.4 | 498.7 | 420.7 | 345.5 | 295.6 | 266.3 | 249.2 | 237.3 | 222.5 | 209.0 | 199.4 |
| 50°    | 481.8 | 472.3 | 402.6 | 328.1 | 277.8 | 249.1 | 232.6 | 221.9 | 211.2 | 197.8 | 189.0 |
| 52.5°  | 436.1 | 441.9 | 381.4 | 310.2 | 259.7 | 231.4 | 216.0 | 207.4 | 197.8 | 186.7 | 179.0 |
| 55°    | 371.7 | 392.7 | 344.8 | 280.0 | 232.6 | 205.8 | 191.1 | 183.6 | 177.9 | 169.7 | 163.1 |
| 57.5°  | 311.4 | 338.2 | 305.2 | 248.9 | 206.1 | 183.0 | 168.9 | 160.7 | 157.0 | 152.7 | 147.5 |
| 60°    | 275.6 | 302.0 | 277.0 | 228.1 | 188.4 | 166.3 | 153.9 | 146.8 | 143.2 | 140.2 | 135.8 |
| 62.5°  | 243.7 | 270.4 | 249.4 | 206.9 | 170.8 | 150.4 | 139.6 | 132.7 | 129.9 | 128.4 | 124.6 |
| 65°    | 199.8 | 222.8 | 208.8 | 173.9 | 145.9 | 127.8 | 118.0 | 113.1 | 110.6 | 109.9 | 107.5 |
| 67.5°  | 162.6 | 180.1 | 170.0 | 144.2 | 122.2 | 106.6 | 98.2  | 94.1  | 92.1  | 91.9  | 90.1  |
| 70°    | 138.2 | 154.6 | 146.8 | 123.6 | 104.5 | 92.3  | 85.1  | 81.5  | 80.2  | 80.1  | 79.0  |
| 72.5°  | 119.2 | 130.7 | 124.5 | 105.1 | 90.4  | 79.3  | 74.0  | 70.2  | 68.9  | 69.1  | 68.4  |
| 75°    | 88.3  | 96.9  | 93.2  | 79.8  | 68.0  | 60.8  | 56.4  | 54.0  | 52.8  | 53.4  | 52.5  |
| 77.5°  | 63.5  | 69.0  | 65.7  | 56.4  | 49.1  | 43.9  | 40.6  | 39.2  | 38.1  | 38.1  | 37.7  |
| 80°    | 48.0  | 51.1  | 49.3  | 43.7  | 37.7  | 33.3  | 30.7  | 29.7  | 29.1  | 28.8  | 28.7  |
| 82.5°  | 34.2  | 36.9  | 34.7  | 30.9  | 26.8  | 24.1  | 22.6  | 21.4  | 20.9  | 21.0  | 20.8  |
| 85°    | 17.2  | 18.3  | 17.5  | 15.1  | 13.4  | 12.2  | 11.5  | 10.8  | 10.4  | 10.6  | 10.2  |
| 87.5°  | 9.2   | 8.9   | 7.8   | 6.9   | 6.2   | 5.2   | 4.8   | 4.2   | 4.2   | 4.6   | 4.9   |
| 90°    | 16.4  | 13.8  | 11.2  | 9.5   | 7.7   | 5.2   | 3.4   | 1.7   | 3.4   | 5.2   | 7.7   |
| 92.5°  | 109.2 | 72.2  | 49.7  | 36.9  | 29.7  | 23.1  | 15.8  | 10.7  | 15.8  | 23.1  | 29.7  |
| 95°    | 312.8 | 184.8 | 111.8 | 78.2  | 55.9  | 41.2  | 31.8  | 29.2  | 31.8  | 41.2  | 55.9  |
| 97.5°  | 343.3 | 198.9 | 129.1 | 92.8  | 70.8  | 58.1  | 50.7  | 49.9  | 50.7  | 58.1  | 70.8  |
| 100°   | 324.0 | 196.8 | 136.6 | 103.1 | 82.5  | 70.5  | 64.5  | 63.6  | 64.5  | 70.5  | 82.5  |
| 102.5° | 307.5 | 199.6 | 145.6 | 114.9 | 96.3  | 84.9  | 79.6  | 78.0  | 79.6  | 84.9  | 96.3  |
| 105°   | 295.7 | 207.2 | 160.7 | 134.1 | 117.8 | 107.5 | 102.3 | 99.7  | 102.3 | 107.5 | 117.8 |
| 107.5° | 294.8 | 221.2 | 180.5 | 155.8 | 140.4 | 130.3 | 125.3 | 122.7 | 125.3 | 130.3 | 140.4 |
| 110°   | 298.3 | 232.9 | 194.2 | 170.1 | 155.6 | 146.1 | 141.8 | 139.2 | 141.8 | 146.1 | 155.6 |





TEST NUMBER: P331894-935

CATALOG NUMBER: S123DIP-S340D1025U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 305.1 | 244.6 | 208.7 | 185.3 | 170.7 | 161.3 | 157.0 | 154.4 | 157.0 | 161.3 | 170.7 |
| 115°   | 316.2 | 263.8 | 231.2 | 208.0 | 193.4 | 184.8 | 179.6 | 176.2 | 179.6 | 184.8 | 193.4 |
| 117.5° | 331.1 | 284.3 | 252.0 | 230.5 | 214.1 | 206.3 | 202.0 | 198.0 | 202.0 | 206.3 | 214.1 |
| 120°   | 342.1 | 297.4 | 266.4 | 245.0 | 228.6 | 220.0 | 215.7 | 213.1 | 215.7 | 220.0 | 228.6 |
| 122.5° | 352.4 | 311.1 | 280.9 | 258.0 | 242.4 | 233.1 | 228.8 | 226.2 | 228.8 | 233.1 | 242.4 |
| 125°   | 368.7 | 330.9 | 300.8 | 277.6 | 261.2 | 251.8 | 246.7 | 245.0 | 246.7 | 251.8 | 261.2 |
| 127.5° | 382.1 | 348.1 | 319.0 | 295.8 | 277.8 | 268.1 | 261.7 | 259.2 | 261.7 | 268.1 | 277.8 |
| 130°   | 391.1 | 358.3 | 330.0 | 306.8 | 288.8 | 278.4 | 270.7 | 268.1 | 270.7 | 278.4 | 288.8 |
| 132.5° | 399.3 | 367.3 | 339.7 | 317.1 | 299.1 | 286.7 | 278.3 | 275.0 | 278.3 | 286.7 | 299.1 |
| 135°   | 409.9 | 380.7 | 354.0 | 330.9 | 312.8 | 300.0 | 290.5 | 287.1 | 290.5 | 300.0 | 312.8 |
| 137.5° | 417.8 | 390.0 | 364.4 | 342.9 | 325.0 | 311.3 | 302.0 | 298.4 | 302.0 | 311.3 | 325.0 |
| 140°   | 422.0 | 396.2 | 371.3 | 349.8 | 332.6 | 318.8 | 310.2 | 306.0 | 310.2 | 318.8 | 332.6 |
| 142.5° | 426.1 | 401.1 | 376.8 | 356.6 | 339.5 | 327.1 | 317.8 | 314.2 | 317.8 | 327.1 | 339.5 |
| 145°   | 430.6 | 407.3 | 385.0 | 365.2 | 350.7 | 337.8 | 330.0 | 327.4 | 330.0 | 337.8 | 350.7 |
| 147.5° | 433.3 | 412.5 | 392.1 | 375.2 | 361.1 | 350.0 | 342.4 | 340.9 | 342.4 | 350.0 | 361.1 |
| 150°   | 434.0 | 415.9 | 396.2 | 380.7 | 368.7 | 357.5 | 350.7 | 349.8 | 350.7 | 357.5 | 368.7 |
| 152.5° | 435.4 | 418.0 | 401.1 | 386.2 | 375.6 | 365.8 | 358.9 | 358.7 | 358.9 | 365.8 | 375.6 |
| 155°   | 435.8 | 422.0 | 407.3 | 395.4 | 385.9 | 377.3 | 372.1 | 372.1 | 372.1 | 377.3 | 385.9 |
| 157.5° | 436.6 | 424.2 | 412.5 | 403.2 | 395.2 | 387.6 | 383.5 | 382.8 | 383.5 | 387.6 | 395.2 |
| 160°   | 436.6 | 426.3 | 415.9 | 407.3 | 401.3 | 394.5 | 391.1 | 391.1 | 391.1 | 394.5 | 401.3 |
| 162.5° | 435.9 | 427.0 | 418.0 | 410.8 | 405.4 | 400.0 | 397.3 | 397.3 | 397.3 | 400.0 | 405.4 |
| 165°   | 434.0 | 428.0 | 421.1 | 415.1 | 411.6 | 407.3 | 405.6 | 406.5 | 405.6 | 407.3 | 411.6 |
| 167.5° | 432.7 | 427.8 | 422.8 | 419.0 | 416.6 | 413.4 | 412.5 | 413.5 | 412.5 | 413.4 | 416.6 |
| 170°   | 430.6 | 427.1 | 422.8 | 421.1 | 419.4 | 416.8 | 415.9 | 417.7 | 415.9 | 416.8 | 419.4 |
| 172.5° | 429.9 | 427.1 | 423.5 | 422.5 | 421.5 | 419.6 | 419.4 | 420.4 | 419.4 | 419.6 | 421.5 |
| 175°   | 428.0 | 426.3 | 424.6 | 423.7 | 423.7 | 422.0 | 422.8 | 423.7 | 422.8 | 422.0 | 423.7 |
| 177.5° | 426.6 | 425.2 | 424.6 | 424.6 | 424.6 | 423.9 | 424.6 | 425.2 | 424.6 | 423.9 | 424.6 |
| 180°   | 424.6 | 424.6 | 424.6 | 424.6 | 424.6 | 424.6 | 424.6 | 424.6 | 424.6 | 424.6 | 424.6 |



TEST NUMBER: P331894-935

CATALOG NUMBER: S123DIP-S340D1025U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°   | 150°   | 155°   | 160°   |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0°     | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0  | 414.0  | 414.0  | 414.0  |
| 2.5°   | 407.1 | 406.0 | 404.4 | 402.0 | 400.0 | 397.0 | 397.0 | 397.4  | 397.4  | 397.4  | 397.0  |
| 5°     | 394.8 | 391.8 | 388.1 | 383.9 | 379.5 | 375.1 | 374.3 | 372.6  | 371.5  | 370.7  | 369.7  |
| 7.5°   | 381.7 | 376.3 | 371.1 | 365.2 | 359.8 | 355.4 | 352.3 | 349.7  | 348.1  | 346.3  | 345.0  |
| 10°    | 372.9 | 366.3 | 360.1 | 353.9 | 347.0 | 341.6 | 338.2 | 335.8  | 334.0  | 332.3  | 331.6  |
| 12.5°  | 362.5 | 354.9 | 348.0 | 342.1 | 334.7 | 329.1 | 325.8 | 324.7  | 322.6  | 319.2  | 317.5  |
| 15°    | 347.2 | 340.2 | 332.0 | 323.0 | 319.3 | 312.5 | 308.7 | 306.9  | 305.7  | 303.1  | 302.3  |
| 17.5°  | 334.2 | 325.0 | 315.7 | 309.0 | 302.3 | 296.8 | 294.6 | 292.4  | 290.8  | 288.7  | 288.0  |
| 20°    | 323.7 | 315.6 | 307.1 | 299.9 | 292.8 | 286.8 | 285.0 | 283.4  | 281.8  | 280.9  | 280.0  |
| 22.5°  | 313.1 | 305.0 | 297.9 | 291.2 | 283.7 | 279.7 | 277.8 | 276.0  | 274.9  | 274.2  | 273.5  |
| 25°    | 298.3 | 291.0 | 283.2 | 277.2 | 271.2 | 268.5 | 267.3 | 266.4  | 265.5  | 264.6  | 264.3  |
| 27.5°  | 285.0 | 277.1 | 270.8 | 265.1 | 260.8 | 258.6 | 257.4 | 257.0  | 257.2  | 257.5  | 257.8  |
| 30°    | 275.0 | 267.8 | 262.6 | 257.8 | 253.7 | 251.8 | 251.5 | 251.5  | 252.4  | 252.5  | 253.0  |
| 32.5°  | 265.9 | 259.9 | 254.7 | 250.0 | 247.0 | 245.6 | 246.4 | 246.4  | 247.0  | 247.5  | 248.3  |
| 35°    | 252.5 | 247.3 | 243.3 | 239.3 | 236.7 | 237.3 | 237.7 | 238.1  | 239.1  | 240.3  | 241.1  |
| 37.5°  | 239.8 | 235.3 | 231.1 | 228.0 | 226.8 | 227.8 | 228.9 | 229.6  | 230.8  | 231.8  | 232.6  |
| 40°    | 230.7 | 227.2 | 223.3 | 220.4 | 220.8 | 221.4 | 222.2 | 223.3  | 224.3  | 224.9  | 225.7  |
| 42.5°  | 222.1 | 218.6 | 215.5 | 213.2 | 213.8 | 214.6 | 215.0 | 215.5  | 216.7  | 217.8  | 218.3  |
| 45°    | 209.2 | 206.4 | 203.6 | 202.2 | 202.6 | 203.0 | 203.4 | 204.0  | 205.0  | 205.8  | 206.0  |
| 47.5°  | 194.7 | 192.7 | 190.8 | 189.4 | 190.1 | 189.9 | 190.5 | 191.7  | 192.0  | 192.5  | 193.6  |
| 50°    | 185.4 | 183.6 | 181.3 | 180.9 | 180.9 | 180.9 | 181.2 | 182.7  | 182.7  | 183.6  | 184.3  |
| 52.5°  | 175.0 | 173.9 | 172.5 | 171.8 | 171.4 | 171.4 | 172.3 | 173.1  | 173.4  | 174.5  | 175.4  |
| 55°    | 159.9 | 158.7 | 157.5 | 156.9 | 156.4 | 156.9 | 158.4 | 158.9  | 159.9  | 160.5  | 161.1  |
| 57.5°  | 144.0 | 143.1 | 142.2 | 141.8 | 141.7 | 142.2 | 143.1 | 144.3  | 144.6  | 146.5  | 147.3  |
| 60°    | 133.6 | 132.2 | 131.4 | 131.4 | 131.0 | 132.8 | 132.4 | 134.4  | 134.8  | 136.0  | 137.4  |
| 62.5°  | 122.9 | 121.0 | 120.6 | 120.6 | 121.2 | 121.7 | 122.3 | 123.1  | 124.2  | 125.7  | 126.8  |
| 65°    | 105.5 | 104.5 | 105.9 | 105.7 | 105.3 | 106.5 | 106.5 | 107.5  | 108.7  | 110.1  | 112.4  |
| 67.5°  | 89.1  | 88.6  | 88.7  | 88.7  | 89.3  | 90.0  | 90.6  | 91.4   | 92.9   | 94.4   | 95.8   |
| 70°    | 78.0  | 78.6  | 77.7  | 78.4  | 79.0  | 79.2  | 79.6  | 80.8   | 82.4   | 83.4   | 85.1   |
| 72.5°  | 67.2  | 67.2  | 67.3  | 67.7  | 68.3  | 68.6  | 69.1  | 70.4   | 72.2   | 73.0   | 74.3   |
| 75°    | 51.7  | 51.6  | 52.2  | 52.2  | 53.1  | 53.6  | 54.0  | 54.6   | 56.1   | 57.3   | 58.4   |
| 77.5°  | 37.8  | 38.1  | 37.9  | 38.6  | 38.3  | 38.4  | 39.6  | 40.2   | 40.4   | 42.8   | 43.3   |
| 80°    | 28.5  | 28.8  | 29.1  | 29.3  | 29.4  | 29.1  | 30.5  | 31.1   | 31.1   | 32.5   | 33.5   |
| 82.5°  | 20.5  | 20.7  | 21.2  | 21.4  | 21.4  | 21.9  | 22.0  | 22.4   | 22.9   | 23.5   | 24.8   |
| 85°    | 10.2  | 10.8  | 11.0  | 10.8  | 11.0  | 10.6  | 11.2  | 11.5   | 11.6   | 11.6   | 11.6   |
| 87.5°  | 5.1   | 5.6   | 5.9   | 6.6   | 7.0   | 7.7   | 7.5   | 7.3    | 7.5    | 8.2    | 7.8    |
| 90°    | 9.5   | 11.2  | 13.8  | 16.4  | 18.9  | 21.5  | 20.7  | 21.5   | 22.4   | 23.2   | 24.9   |
| 92.5°  | 36.9  | 49.7  | 72.2  | 109.2 | 145.4 | 132.2 | 99.7  | 72.3   | 57.4   | 50.7   | 46.2   |
| 95°    | 78.2  | 111.8 | 184.8 | 312.8 | 453.7 | 509.6 | 413.4 | 309.4  | 209.7  | 164.2  | 133.2  |
| 97.5°  | 92.8  | 129.1 | 198.9 | 343.3 | 578.2 | 789.8 | 845.0 | 771.3  | 617.8  | 506.9  | 404.1  |
| 100°   | 103.1 | 136.6 | 196.8 | 324.0 | 550.0 | 813.9 | 983.2 | 1013.3 | 943.7  | 843.1  | 721.1  |
| 102.5° | 114.9 | 145.6 | 199.6 | 307.5 | 508.8 | 769.2 | 990.1 | 1093.7 | 1091.5 | 1032.9 | 955.5  |
| 105°   | 134.1 | 160.7 | 207.2 | 295.7 | 458.1 | 691.0 | 937.6 | 1117.2 | 1203.2 | 1219.5 | 1197.2 |
| 107.5° | 155.8 | 180.5 | 221.2 | 294.8 | 425.8 | 621.9 | 845.8 | 1049.6 | 1189.1 | 1264.4 | 1295.0 |
| 110°   | 170.1 | 194.2 | 232.9 | 298.3 | 413.4 | 582.7 | 788.1 | 984.9  | 1143.1 | 1251.3 | 1311.5 |



TEST NUMBER: P331894-935

CATALOG NUMBER: S123DIP-S340D1025U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°   | 155°   | 160°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 112.5° | 185.3 | 208.7 | 244.6 | 305.1 | 406.5 | 556.6 | 737.9 | 920.9 | 1082.5 | 1203.9 | 1281.3 |
| 115°   | 208.0 | 231.2 | 263.8 | 316.2 | 403.9 | 528.6 | 677.3 | 836.2 | 985.8  | 1112.1 | 1205.7 |
| 117.5° | 230.5 | 252.0 | 284.3 | 331.1 | 405.4 | 512.0 | 640.6 | 774.9 | 904.0  | 1017.4 | 1112.4 |
| 120°   | 245.0 | 266.4 | 297.4 | 342.1 | 408.2 | 504.5 | 621.4 | 742.5 | 858.6  | 961.7  | 1048.5 |
| 122.5° | 258.0 | 280.9 | 311.1 | 352.4 | 413.0 | 499.6 | 605.5 | 717.1 | 822.2  | 917.7  | 998.3  |
| 125°   | 277.6 | 300.8 | 330.9 | 368.7 | 420.3 | 493.4 | 585.3 | 683.3 | 777.0  | 859.5  | 928.2  |
| 127.5° | 295.8 | 319.0 | 348.1 | 382.1 | 428.5 | 490.3 | 567.4 | 653.7 | 737.2  | 811.7  | 874.2  |
| 130°   | 306.8 | 330.0 | 358.3 | 391.1 | 434.0 | 488.2 | 557.8 | 635.2 | 712.5  | 782.0  | 840.5  |
| 132.5° | 317.1 | 339.7 | 367.3 | 399.3 | 438.2 | 487.5 | 548.8 | 617.9 | 689.1  | 753.9  | 809.6  |
| 135°   | 330.9 | 354.0 | 380.7 | 409.9 | 444.4 | 486.5 | 537.2 | 594.7 | 655.7  | 711.6  | 760.6  |
| 137.5° | 342.9 | 364.4 | 390.0 | 417.8 | 448.4 | 484.6 | 527.0 | 573.6 | 623.6  | 671.8  | 714.2  |
| 140°   | 349.8 | 371.3 | 396.2 | 422.0 | 451.2 | 483.9 | 520.8 | 561.2 | 605.0  | 646.3  | 683.3  |
| 142.5° | 356.6 | 376.8 | 401.1 | 426.1 | 453.2 | 482.5 | 515.3 | 549.5 | 587.2  | 622.9  | 655.0  |
| 145°   | 365.2 | 385.0 | 407.3 | 430.6 | 454.6 | 480.4 | 507.9 | 535.5 | 563.8  | 591.2  | 616.2  |
| 147.5° | 375.2 | 392.1 | 412.5 | 433.3 | 454.6 | 477.2 | 500.7 | 523.9 | 546.4  | 568.6  | 586.3  |
| 150°   | 380.7 | 396.2 | 415.9 | 434.0 | 454.6 | 474.4 | 495.8 | 515.7 | 535.5  | 553.5  | 569.8  |
| 152.5° | 386.2 | 401.1 | 418.0 | 435.4 | 452.5 | 471.0 | 490.4 | 508.1 | 525.1  | 541.1  | 554.7  |
| 155°   | 395.4 | 407.3 | 422.0 | 435.8 | 450.3 | 464.9 | 482.2 | 496.7 | 510.5  | 523.4  | 533.7  |
| 157.5° | 403.2 | 412.5 | 424.2 | 436.6 | 447.5 | 459.6 | 472.9 | 484.7 | 496.2  | 506.2  | 514.3  |
| 160°   | 407.3 | 415.9 | 426.3 | 436.6 | 446.1 | 455.5 | 466.7 | 477.9 | 487.3  | 495.8  | 501.9  |
| 162.5° | 410.8 | 418.0 | 427.0 | 435.9 | 443.3 | 451.3 | 460.5 | 469.6 | 477.7  | 485.6  | 490.9  |
| 165°   | 415.1 | 421.1 | 428.0 | 434.0 | 439.2 | 445.2 | 452.0 | 458.9 | 464.1  | 470.1  | 474.4  |
| 167.5° | 419.0 | 422.8 | 427.8 | 432.7 | 435.1 | 439.0 | 444.0 | 449.6 | 453.6  | 457.0  | 460.1  |
| 170°   | 421.1 | 422.8 | 427.1 | 430.6 | 432.3 | 434.9 | 439.2 | 443.5 | 446.1  | 449.4  | 451.2  |
| 172.5° | 422.5 | 423.5 | 427.1 | 429.9 | 430.2 | 431.4 | 434.4 | 438.0 | 439.9  | 442.6  | 443.7  |
| 175°   | 423.7 | 424.6 | 426.3 | 428.0 | 427.1 | 427.1 | 428.9 | 430.6 | 431.4  | 433.2  | 433.2  |
| 177.5° | 424.6 | 424.6 | 425.2 | 426.6 | 425.2 | 424.6 | 425.2 | 425.9 | 426.6  | 427.3  | 427.3  |
| 180°   | 424.6 | 424.6 | 424.6 | 424.6 | 424.6 | 424.6 | 424.6 | 424.6 | 424.6  | 424.6  | 424.6  |



TEST NUMBER: P331894-935

CATALOG NUMBER: S123DIP-S340D1025U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 414.0  | 414.0  | 414.0  | 414.0  | 414.0  | 414.0  | 414.0  | 414.0  | 414.0  | 414.0  | 414.0  |
| 2.5°   | 395.9  | 395.7  | 396.8  | 396.1  | 396.8  | 395.7  | 395.9  | 397.0  | 397.4  | 397.4  | 397.4  |
| 5°     | 368.5  | 369.1  | 367.0  | 367.0  | 367.0  | 369.1  | 368.5  | 369.7  | 370.7  | 371.5  | 372.6  |
| 7.5°   | 344.1  | 343.2  | 343.3  | 342.2  | 343.3  | 343.2  | 344.1  | 345.0  | 346.3  | 348.1  | 349.7  |
| 10°    | 329.2  | 328.0  | 327.5  | 327.8  | 327.5  | 328.0  | 329.2  | 331.6  | 332.3  | 334.0  | 335.8  |
| 12.5°  | 316.8  | 316.6  | 313.9  | 313.9  | 313.9  | 316.6  | 316.8  | 317.5  | 319.2  | 322.6  | 324.7  |
| 15°    | 302.3  | 298.5  | 298.1  | 299.3  | 298.1  | 298.5  | 302.3  | 302.3  | 303.1  | 305.7  | 306.9  |
| 17.5°  | 287.7  | 285.7  | 285.9  | 285.2  | 285.9  | 285.7  | 287.7  | 288.0  | 288.7  | 290.8  | 292.4  |
| 20°    | 280.0  | 278.8  | 278.6  | 277.2  | 278.6  | 278.8  | 280.0  | 280.0  | 280.9  | 281.8  | 283.4  |
| 22.5°  | 272.9  | 272.6  | 272.7  | 271.1  | 272.7  | 272.6  | 272.9  | 273.5  | 274.2  | 274.9  | 276.0  |
| 25°    | 264.2  | 265.2  | 264.3  | 264.3  | 264.3  | 265.2  | 264.2  | 264.3  | 264.6  | 265.5  | 266.4  |
| 27.5°  | 258.2  | 258.2  | 257.8  | 257.8  | 257.8  | 258.2  | 258.2  | 257.8  | 257.5  | 257.2  | 257.0  |
| 30°    | 253.7  | 253.6  | 253.9  | 253.9  | 253.9  | 253.6  | 253.7  | 253.0  | 252.5  | 252.4  | 251.5  |
| 32.5°  | 249.3  | 249.5  | 249.6  | 249.8  | 249.6  | 249.5  | 249.3  | 248.3  | 247.5  | 247.0  | 246.4  |
| 35°    | 242.3  | 242.5  | 243.1  | 242.7  | 243.1  | 242.5  | 242.3  | 241.1  | 240.3  | 239.1  | 238.1  |
| 37.5°  | 232.9  | 233.8  | 233.7  | 233.9  | 233.7  | 233.8  | 232.9  | 232.6  | 231.8  | 230.8  | 229.6  |
| 40°    | 225.8  | 226.4  | 226.3  | 226.3  | 226.3  | 226.4  | 225.8  | 225.7  | 224.9  | 224.3  | 223.3  |
| 42.5°  | 218.6  | 219.0  | 218.5  | 218.3  | 218.5  | 219.0  | 218.6  | 218.3  | 217.8  | 216.7  | 215.5  |
| 45°    | 206.8  | 206.4  | 207.0  | 206.2  | 207.0  | 206.4  | 206.8  | 206.0  | 205.8  | 205.0  | 204.0  |
| 47.5°  | 193.6  | 194.0  | 194.2  | 194.8  | 194.2  | 194.0  | 193.6  | 193.6  | 192.5  | 192.0  | 191.7  |
| 50°    | 184.8  | 186.0  | 186.0  | 185.7  | 186.0  | 186.0  | 184.8  | 184.3  | 183.6  | 182.7  | 182.7  |
| 52.5°  | 176.1  | 176.6  | 177.5  | 177.4  | 177.5  | 176.6  | 176.1  | 175.4  | 174.5  | 173.4  | 173.1  |
| 55°    | 162.6  | 163.1  | 163.5  | 163.7  | 163.5  | 163.1  | 162.6  | 161.1  | 160.5  | 159.9  | 158.9  |
| 57.5°  | 148.8  | 148.6  | 149.6  | 149.9  | 149.6  | 148.6  | 148.8  | 147.3  | 146.5  | 144.6  | 144.3  |
| 60°    | 139.0  | 139.0  | 140.6  | 141.2  | 140.6  | 139.0  | 139.0  | 137.4  | 136.0  | 134.8  | 134.4  |
| 62.5°  | 128.5  | 129.2  | 130.8  | 130.0  | 130.8  | 129.2  | 128.5  | 126.8  | 125.7  | 124.2  | 123.1  |
| 65°    | 113.3  | 114.9  | 114.8  | 115.5  | 114.8  | 114.9  | 113.3  | 112.4  | 110.1  | 108.7  | 107.5  |
| 67.5°  | 97.4   | 98.4   | 99.9   | 100.0  | 99.9   | 98.4   | 97.4   | 95.8   | 94.4   | 92.9   | 91.4   |
| 70°    | 86.6   | 87.6   | 88.4   | 89.0   | 88.4   | 87.6   | 86.6   | 85.1   | 83.4   | 82.4   | 80.8   |
| 72.5°  | 76.2   | 76.7   | 78.7   | 77.8   | 78.7   | 76.7   | 76.2   | 74.3   | 73.0   | 72.2   | 70.4   |
| 75°    | 59.8   | 61.2   | 62.4   | 61.8   | 62.4   | 61.2   | 59.8   | 58.4   | 57.3   | 56.1   | 54.6   |
| 77.5°  | 44.2   | 45.6   | 46.1   | 45.6   | 46.1   | 45.6   | 44.2   | 43.3   | 42.8   | 40.4   | 40.2   |
| 80°    | 34.9   | 34.7   | 35.9   | 35.7   | 35.9   | 34.7   | 34.9   | 33.5   | 32.5   | 31.1   | 31.1   |
| 82.5°  | 25.6   | 25.4   | 25.9   | 26.1   | 25.9   | 25.4   | 25.6   | 24.8   | 23.5   | 22.9   | 22.4   |
| 85°    | 12.4   | 13.0   | 12.2   | 12.1   | 12.2   | 13.0   | 12.4   | 11.6   | 11.6   | 11.6   | 11.5   |
| 87.5°  | 7.7    | 7.8    | 7.9    | 7.6    | 7.9    | 7.8    | 7.7    | 7.8    | 8.2    | 7.5    | 7.3    |
| 90°    | 24.0   | 24.9   | 25.7   | 24.9   | 25.7   | 24.9   | 24.0   | 24.9   | 23.2   | 22.4   | 21.5   |
| 92.5°  | 44.7   | 42.1   | 43.0   | 41.4   | 43.0   | 42.1   | 44.7   | 46.2   | 50.7   | 57.4   | 72.3   |
| 95°    | 116.9  | 109.2  | 103.1  | 99.7   | 103.1  | 109.2  | 116.9  | 133.2  | 164.2  | 209.7  | 309.4  |
| 97.5°  | 340.7  | 302.0  | 278.8  | 271.4  | 278.8  | 302.0  | 340.7  | 404.1  | 506.9  | 617.8  | 771.3  |
| 100°   | 634.3  | 571.5  | 538.0  | 538.9  | 538.0  | 571.5  | 634.3  | 721.1  | 843.1  | 943.7  | 1013.3 |
| 102.5° | 887.9  | 838.3  | 810.3  | 790.5  | 810.3  | 838.3  | 887.9  | 955.5  | 1032.9 | 1091.5 | 1093.7 |
| 105°   | 1157.6 | 1125.0 | 1097.5 | 1093.2 | 1097.5 | 1125.0 | 1157.6 | 1197.2 | 1219.5 | 1203.2 | 1117.2 |
| 107.5° | 1295.7 | 1284.7 | 1275.4 | 1267.5 | 1275.4 | 1284.7 | 1295.7 | 1295.0 | 1264.4 | 1189.1 | 1049.6 |
| 110°   | 1335.6 | 1342.5 | 1340.7 | 1339.0 | 1340.7 | 1342.5 | 1335.6 | 1311.5 | 1251.3 | 1143.1 | 984.9  |



TEST NUMBER: P331894-935

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**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°  |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 112.5° | 1325.3 | 1346.5 | 1353.1 | 1353.4 | 1353.1 | 1346.5 | 1325.3 | 1281.3 | 1203.9 | 1082.5 | 920.9 |
| 115°   | 1270.2 | 1308.0 | 1325.3 | 1329.6 | 1325.3 | 1308.0 | 1270.2 | 1205.7 | 1112.1 | 985.8  | 836.2 |
| 117.5° | 1179.7 | 1223.0 | 1247.8 | 1253.5 | 1247.8 | 1223.0 | 1179.7 | 1112.4 | 1017.4 | 904.0  | 774.9 |
| 120°   | 1116.4 | 1164.5 | 1185.2 | 1190.3 | 1185.2 | 1164.5 | 1116.4 | 1048.5 | 961.7  | 858.6  | 742.5 |
| 122.5° | 1058.7 | 1102.0 | 1124.6 | 1131.2 | 1124.6 | 1102.0 | 1058.7 | 998.3  | 917.7  | 822.2  | 717.1 |
| 125°   | 983.2  | 1021.0 | 1042.5 | 1048.5 | 1042.5 | 1021.0 | 983.2  | 928.2  | 859.5  | 777.0  | 683.3 |
| 127.5° | 923.2  | 955.5  | 974.9  | 980.4  | 974.9  | 955.5  | 923.2  | 874.2  | 811.7  | 737.2  | 653.7 |
| 130°   | 886.1  | 917.1  | 935.0  | 941.9  | 935.0  | 917.1  | 886.1  | 840.5  | 782.0  | 712.5  | 635.2 |
| 132.5° | 852.4  | 883.3  | 899.3  | 904.1  | 899.3  | 883.3  | 852.4  | 809.6  | 753.9  | 689.1  | 617.9 |
| 135°   | 802.7  | 828.5  | 844.0  | 850.0  | 844.0  | 828.5  | 802.7  | 760.6  | 711.6  | 655.7  | 594.7 |
| 137.5° | 749.6  | 775.8  | 788.8  | 792.7  | 788.8  | 775.8  | 749.6  | 714.2  | 671.8  | 623.6  | 573.6 |
| 140°   | 715.9  | 739.9  | 753.7  | 752.9  | 753.7  | 739.9  | 715.9  | 683.3  | 646.3  | 605.0  | 561.2 |
| 142.5° | 682.9  | 704.2  | 716.6  | 715.7  | 716.6  | 704.2  | 682.9  | 655.0  | 622.9  | 587.2  | 549.5 |
| 145°   | 637.7  | 655.7  | 662.6  | 664.3  | 662.6  | 655.7  | 637.7  | 616.2  | 591.2  | 563.8  | 535.5 |
| 147.5° | 602.6  | 614.8  | 621.4  | 622.1  | 621.4  | 614.8  | 602.6  | 586.3  | 568.6  | 546.4  | 523.9 |
| 150°   | 582.7  | 592.1  | 597.3  | 597.3  | 597.3  | 592.1  | 582.7  | 569.8  | 553.5  | 535.5  | 515.7 |
| 152.5° | 564.8  | 573.6  | 576.7  | 576.7  | 576.7  | 573.6  | 564.8  | 554.7  | 541.1  | 525.1  | 508.1 |
| 155°   | 541.5  | 548.3  | 550.0  | 550.9  | 550.0  | 548.3  | 541.5  | 533.7  | 523.4  | 510.5  | 496.7 |
| 157.5° | 521.0  | 526.2  | 527.5  | 527.4  | 527.5  | 526.2  | 521.0  | 514.3  | 506.2  | 496.2  | 484.7 |
| 160°   | 507.9  | 513.1  | 513.1  | 512.2  | 513.1  | 513.1  | 507.9  | 501.9  | 495.8  | 487.3  | 477.9 |
| 162.5° | 494.9  | 499.3  | 499.3  | 498.4  | 499.3  | 499.3  | 494.9  | 490.9  | 485.6  | 477.7  | 469.6 |
| 165°   | 477.9  | 481.3  | 480.4  | 480.4  | 480.4  | 481.3  | 477.9  | 474.4  | 470.1  | 464.1  | 458.9 |
| 167.5° | 461.7  | 464.1  | 463.2  | 463.2  | 463.2  | 464.1  | 461.7  | 460.1  | 457.0  | 453.6  | 449.6 |
| 170°   | 452.0  | 453.7  | 452.9  | 452.9  | 452.9  | 453.7  | 452.0  | 451.2  | 449.4  | 446.1  | 443.5 |
| 172.5° | 443.8  | 445.6  | 444.0  | 443.3  | 444.0  | 445.6  | 443.8  | 443.7  | 442.6  | 439.9  | 438.0 |
| 175°   | 433.2  | 434.0  | 433.2  | 432.3  | 433.2  | 434.0  | 433.2  | 433.2  | 433.2  | 431.4  | 430.6 |
| 177.5° | 426.6  | 427.3  | 425.9  | 425.9  | 425.9  | 427.3  | 426.6  | 427.3  | 427.3  | 426.6  | 425.9 |
| 180°   | 424.6  | 424.6  | 424.6  | 424.6  | 424.6  | 424.6  | 424.6  | 424.6  | 424.6  | 424.6  | 424.6 |



TEST NUMBER: P331894-935

CATALOG NUMBER: S123DIP-S340D1025U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 |
| 2.5°   | 397.0 | 397.0 | 400.0 | 402.0 | 404.4 | 406.0 | 407.1 | 408.2 | 410.2 | 412.7 | 415.6 |
| 5°     | 374.3 | 375.1 | 379.5 | 383.9 | 388.1 | 391.8 | 394.8 | 398.4 | 402.8 | 408.2 | 414.2 |
| 7.5°   | 352.3 | 355.4 | 359.8 | 365.2 | 371.1 | 376.3 | 381.7 | 387.6 | 393.9 | 401.8 | 410.3 |
| 10°    | 338.2 | 341.6 | 347.0 | 353.9 | 360.1 | 366.3 | 372.9 | 379.3 | 387.1 | 396.6 | 407.4 |
| 12.5°  | 325.8 | 329.1 | 334.7 | 342.1 | 348.0 | 354.9 | 362.5 | 370.8 | 379.6 | 390.9 | 403.2 |
| 15°    | 308.7 | 312.5 | 319.3 | 323.0 | 332.0 | 340.2 | 347.2 | 359.2 | 370.5 | 382.1 | 396.3 |
| 17.5°  | 294.6 | 296.8 | 302.3 | 309.0 | 315.7 | 325.0 | 334.2 | 344.2 | 355.4 | 369.6 | 387.4 |
| 20°    | 285.0 | 286.8 | 292.8 | 299.9 | 307.1 | 315.6 | 323.7 | 333.8 | 346.4 | 361.4 | 380.7 |
| 22.5°  | 277.8 | 279.7 | 283.7 | 291.2 | 297.9 | 305.0 | 313.1 | 325.1 | 338.5 | 353.3 | 374.1 |
| 25°    | 267.3 | 268.5 | 271.2 | 277.2 | 283.2 | 291.0 | 298.3 | 309.5 | 323.3 | 340.6 | 361.4 |
| 27.5°  | 257.4 | 258.6 | 260.8 | 265.1 | 270.8 | 277.1 | 285.0 | 294.5 | 308.5 | 327.3 | 349.4 |
| 30°    | 251.5 | 251.8 | 253.7 | 257.8 | 262.6 | 267.8 | 275.0 | 285.9 | 299.1 | 318.1 | 341.4 |
| 32.5°  | 246.4 | 245.6 | 247.0 | 250.0 | 254.7 | 259.9 | 265.9 | 276.6 | 289.3 | 308.0 | 331.9 |
| 35°    | 237.7 | 237.3 | 236.7 | 239.3 | 243.3 | 247.3 | 252.5 | 260.5 | 275.0 | 292.5 | 317.5 |
| 37.5°  | 228.9 | 227.8 | 226.8 | 228.0 | 231.1 | 235.3 | 239.8 | 246.9 | 259.4 | 278.6 | 302.6 |
| 40°    | 222.2 | 221.4 | 220.8 | 220.4 | 223.3 | 227.2 | 230.7 | 237.5 | 249.1 | 267.3 | 291.0 |
| 42.5°  | 215.0 | 214.6 | 213.8 | 213.2 | 215.5 | 218.6 | 222.1 | 228.2 | 239.8 | 256.9 | 279.3 |
| 45°    | 203.4 | 203.0 | 202.6 | 202.2 | 203.6 | 206.4 | 209.2 | 213.6 | 223.7 | 240.3 | 260.5 |
| 47.5°  | 190.5 | 189.9 | 190.1 | 189.4 | 190.8 | 192.7 | 194.7 | 199.4 | 209.0 | 222.5 | 237.3 |
| 50°    | 181.2 | 180.9 | 180.9 | 180.9 | 181.3 | 183.6 | 185.4 | 189.0 | 197.8 | 211.2 | 221.9 |
| 52.5°  | 172.3 | 171.4 | 171.4 | 171.8 | 172.5 | 173.9 | 175.0 | 179.0 | 186.7 | 197.8 | 207.4 |
| 55°    | 158.4 | 156.9 | 156.4 | 156.9 | 157.5 | 158.7 | 159.9 | 163.1 | 169.7 | 177.9 | 183.6 |
| 57.5°  | 143.1 | 142.2 | 141.7 | 141.8 | 142.2 | 143.1 | 144.0 | 147.5 | 152.7 | 157.0 | 160.7 |
| 60°    | 132.4 | 132.8 | 131.0 | 131.4 | 131.4 | 132.2 | 133.6 | 135.8 | 140.2 | 143.2 | 146.8 |
| 62.5°  | 122.3 | 121.7 | 121.2 | 120.6 | 120.6 | 121.0 | 122.9 | 124.6 | 128.4 | 129.9 | 132.7 |
| 65°    | 106.5 | 106.5 | 105.3 | 105.7 | 105.9 | 104.5 | 105.5 | 107.5 | 109.9 | 110.6 | 113.1 |
| 67.5°  | 90.6  | 90.0  | 89.3  | 88.7  | 88.7  | 88.6  | 89.1  | 90.1  | 91.9  | 92.1  | 94.1  |
| 70°    | 79.6  | 79.2  | 79.0  | 78.4  | 77.7  | 78.6  | 78.0  | 79.0  | 80.1  | 80.2  | 81.5  |
| 72.5°  | 69.1  | 68.6  | 68.3  | 67.7  | 67.3  | 67.2  | 67.2  | 68.4  | 69.1  | 68.9  | 70.2  |
| 75°    | 54.0  | 53.6  | 53.1  | 52.2  | 52.2  | 51.6  | 51.7  | 52.5  | 53.4  | 52.8  | 54.0  |
| 77.5°  | 39.6  | 38.4  | 38.3  | 38.6  | 37.9  | 38.1  | 37.8  | 37.7  | 38.1  | 38.1  | 39.2  |
| 80°    | 30.5  | 29.1  | 29.4  | 29.3  | 29.1  | 28.8  | 28.5  | 28.7  | 28.8  | 29.1  | 29.7  |
| 82.5°  | 22.0  | 21.9  | 21.4  | 21.4  | 21.2  | 20.7  | 20.5  | 20.8  | 21.0  | 20.9  | 21.4  |
| 85°    | 11.2  | 10.6  | 11.0  | 10.8  | 11.0  | 10.8  | 10.2  | 10.2  | 10.6  | 10.4  | 10.8  |
| 87.5°  | 7.5   | 7.7   | 7.0   | 6.6   | 5.9   | 5.6   | 5.1   | 4.9   | 4.6   | 4.2   | 4.2   |
| 90°    | 20.7  | 21.5  | 18.9  | 16.4  | 13.8  | 11.2  | 9.5   | 7.7   | 5.2   | 3.4   | 1.7   |
| 92.5°  | 99.7  | 132.2 | 145.4 | 109.2 | 72.2  | 49.7  | 36.9  | 29.7  | 23.1  | 15.8  | 10.7  |
| 95°    | 413.4 | 509.6 | 453.7 | 312.8 | 184.8 | 111.8 | 78.2  | 55.9  | 41.2  | 31.8  | 29.2  |
| 97.5°  | 845.0 | 789.8 | 578.2 | 343.3 | 198.9 | 129.1 | 92.8  | 70.8  | 58.1  | 50.7  | 49.9  |
| 100°   | 983.2 | 813.9 | 550.0 | 324.0 | 196.8 | 136.6 | 103.1 | 82.5  | 70.5  | 64.5  | 63.6  |
| 102.5° | 990.1 | 769.2 | 508.8 | 307.5 | 199.6 | 145.6 | 114.9 | 96.3  | 84.9  | 79.6  | 78.0  |
| 105°   | 937.6 | 691.0 | 458.1 | 295.7 | 207.2 | 160.7 | 134.1 | 117.8 | 107.5 | 102.3 | 99.7  |
| 107.5° | 845.8 | 621.9 | 425.8 | 294.8 | 221.2 | 180.5 | 155.8 | 140.4 | 130.3 | 125.3 | 122.7 |
| 110°   | 788.1 | 582.7 | 413.4 | 298.3 | 232.9 | 194.2 | 170.1 | 155.6 | 146.1 | 141.8 | 139.2 |



TEST NUMBER: P331894-935

CATALOG NUMBER: S123DIP-S340D1025U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 737.9 | 556.6 | 406.5 | 305.1 | 244.6 | 208.7 | 185.3 | 170.7 | 161.3 | 157.0 | 154.4 |
| 115°   | 677.3 | 528.6 | 403.9 | 316.2 | 263.8 | 231.2 | 208.0 | 193.4 | 184.8 | 179.6 | 176.2 |
| 117.5° | 640.6 | 512.0 | 405.4 | 331.1 | 284.3 | 252.0 | 230.5 | 214.1 | 206.3 | 202.0 | 198.0 |
| 120°   | 621.4 | 504.5 | 408.2 | 342.1 | 297.4 | 266.4 | 245.0 | 228.6 | 220.0 | 215.7 | 213.1 |
| 122.5° | 605.5 | 499.6 | 413.0 | 352.4 | 311.1 | 280.9 | 258.0 | 242.4 | 233.1 | 228.8 | 226.2 |
| 125°   | 585.3 | 493.4 | 420.3 | 368.7 | 330.9 | 300.8 | 277.6 | 261.2 | 251.8 | 246.7 | 245.0 |
| 127.5° | 567.4 | 490.3 | 428.5 | 382.1 | 348.1 | 319.0 | 295.8 | 277.8 | 268.1 | 261.7 | 259.2 |
| 130°   | 557.8 | 488.2 | 434.0 | 391.1 | 358.3 | 330.0 | 306.8 | 288.8 | 278.4 | 270.7 | 268.1 |
| 132.5° | 548.8 | 487.5 | 438.2 | 399.3 | 367.3 | 339.7 | 317.1 | 299.1 | 286.7 | 278.3 | 275.0 |
| 135°   | 537.2 | 486.5 | 444.4 | 409.9 | 380.7 | 354.0 | 330.9 | 312.8 | 300.0 | 290.5 | 287.1 |
| 137.5° | 527.0 | 484.6 | 448.4 | 417.8 | 390.0 | 364.4 | 342.9 | 325.0 | 311.3 | 302.0 | 298.4 |
| 140°   | 520.8 | 483.9 | 451.2 | 422.0 | 396.2 | 371.3 | 349.8 | 332.6 | 318.8 | 310.2 | 306.0 |
| 142.5° | 515.3 | 482.5 | 453.2 | 426.1 | 401.1 | 376.8 | 356.6 | 339.5 | 327.1 | 317.8 | 314.2 |
| 145°   | 507.9 | 480.4 | 454.6 | 430.6 | 407.3 | 385.0 | 365.2 | 350.7 | 337.8 | 330.0 | 327.4 |
| 147.5° | 500.7 | 477.2 | 454.6 | 433.3 | 412.5 | 392.1 | 375.2 | 361.1 | 350.0 | 342.4 | 340.9 |
| 150°   | 495.8 | 474.4 | 454.6 | 434.0 | 415.9 | 396.2 | 380.7 | 368.7 | 357.5 | 350.7 | 349.8 |
| 152.5° | 490.4 | 471.0 | 452.5 | 435.4 | 418.0 | 401.1 | 386.2 | 375.6 | 365.8 | 358.9 | 358.7 |
| 155°   | 482.2 | 464.9 | 450.3 | 435.8 | 422.0 | 407.3 | 395.4 | 385.9 | 377.3 | 372.1 | 372.1 |
| 157.5° | 472.9 | 459.6 | 447.5 | 436.6 | 424.2 | 412.5 | 403.2 | 395.2 | 387.6 | 383.5 | 382.8 |
| 160°   | 466.7 | 455.5 | 446.1 | 436.6 | 426.3 | 415.9 | 407.3 | 401.3 | 394.5 | 391.1 | 391.1 |
| 162.5° | 460.5 | 451.3 | 443.3 | 435.9 | 427.0 | 418.0 | 410.8 | 405.4 | 400.0 | 397.3 | 397.3 |
| 165°   | 452.0 | 445.2 | 439.2 | 434.0 | 428.0 | 421.1 | 415.1 | 411.6 | 407.3 | 405.6 | 406.5 |
| 167.5° | 444.0 | 439.0 | 435.1 | 432.7 | 427.8 | 422.8 | 419.0 | 416.6 | 413.4 | 412.5 | 413.5 |
| 170°   | 439.2 | 434.9 | 432.3 | 430.6 | 427.1 | 422.8 | 421.1 | 419.4 | 416.8 | 415.9 | 417.7 |
| 172.5° | 434.4 | 431.4 | 430.2 | 429.9 | 427.1 | 423.5 | 422.5 | 421.5 | 419.6 | 419.4 | 420.4 |
| 175°   | 428.9 | 427.1 | 427.1 | 428.0 | 426.3 | 424.6 | 423.7 | 423.7 | 422.0 | 422.8 | 423.7 |
| 177.5° | 425.2 | 424.6 | 425.2 | 426.6 | 425.2 | 424.6 | 424.6 | 424.6 | 423.9 | 424.6 | 425.2 |
| 180°   | 424.6 | 424.6 | 424.6 | 424.6 | 424.6 | 424.6 | 424.6 | 424.6 | 424.6 | 424.6 | 424.6 |



TEST NUMBER: P331894-935

CATALOG NUMBER: S123DIP-S340D1025U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0°     | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0  |
| 2.5°   | 416.6 | 417.4 | 420.1 | 422.1 | 424.3 | 425.6 | 426.8 | 427.8 | 429.1 | 429.4 | 434.0  |
| 5°     | 418.4 | 422.4 | 429.5 | 434.6 | 441.1 | 448.1 | 452.9 | 455.1 | 461.0 | 465.7 | 475.4  |
| 7.5°   | 417.9 | 426.5 | 437.0 | 448.1 | 459.8 | 470.7 | 480.2 | 491.5 | 499.4 | 511.4 | 523.2  |
| 10°    | 417.4 | 428.9 | 442.5 | 456.5 | 472.9 | 488.2 | 501.9 | 517.1 | 529.8 | 546.4 | 560.6  |
| 12.5°  | 415.9 | 429.8 | 448.8 | 465.4 | 485.3 | 506.4 | 526.6 | 546.1 | 557.3 | 585.0 | 598.1  |
| 15°    | 412.4 | 428.9 | 452.5 | 477.8 | 505.2 | 530.1 | 555.8 | 576.3 | 609.3 | 633.6 | 649.1  |
| 17.5°  | 405.6 | 428.6 | 456.7 | 487.2 | 520.6 | 553.4 | 582.5 | 613.5 | 648.6 | 678.0 | 709.3  |
| 20°    | 402.3 | 427.7 | 458.9 | 492.7 | 527.4 | 564.5 | 597.5 | 634.8 | 673.1 | 702.1 | 742.2  |
| 22.5°  | 396.4 | 425.1 | 458.7 | 496.3 | 533.4 | 571.8 | 610.5 | 648.2 | 692.4 | 732.2 | 770.4  |
| 25°    | 386.8 | 418.8 | 453.7 | 495.7 | 539.2 | 577.6 | 624.1 | 674.0 | 720.1 | 771.3 | 809.3  |
| 27.5°  | 376.5 | 410.8 | 445.7 | 484.7 | 531.6 | 577.3 | 635.6 | 692.0 | 748.4 | 792.6 | 820.8  |
| 30°    | 368.7 | 402.0 | 438.1 | 477.4 | 523.7 | 578.1 | 643.3 | 704.8 | 759.8 | 797.7 | 813.6  |
| 32.5°  | 360.2 | 393.9 | 425.9 | 467.1 | 516.5 | 577.6 | 648.1 | 712.4 | 760.4 | 785.7 | 782.6  |
| 35°    | 346.8 | 375.1 | 406.2 | 445.9 | 504.0 | 574.0 | 650.9 | 713.1 | 742.5 | 737.1 | 696.2  |
| 37.5°  | 327.5 | 351.4 | 381.9 | 425.4 | 489.7 | 566.6 | 645.2 | 691.9 | 690.0 | 645.9 | 586.6  |
| 40°    | 315.6 | 335.8 | 365.2 | 411.0 | 478.4 | 561.8 | 636.5 | 666.8 | 641.1 | 579.5 | 508.5  |
| 42.5°  | 299.8 | 318.5 | 347.9 | 394.9 | 466.1 | 552.1 | 619.6 | 628.4 | 578.2 | 507.3 | 442.2  |
| 45°    | 275.4 | 291.9 | 322.4 | 370.9 | 447.5 | 530.7 | 578.5 | 557.0 | 489.4 | 416.2 | 366.7  |
| 47.5°  | 249.2 | 266.3 | 295.6 | 345.5 | 420.7 | 498.7 | 521.4 | 475.8 | 406.4 | 347.0 | 301.5  |
| 50°    | 232.6 | 249.1 | 277.8 | 328.1 | 402.6 | 472.3 | 481.8 | 422.8 | 359.0 | 306.9 | 269.6  |
| 52.5°  | 216.0 | 231.4 | 259.7 | 310.2 | 381.4 | 441.9 | 436.1 | 376.0 | 317.4 | 272.9 | 243.6  |
| 55°    | 191.1 | 205.8 | 232.6 | 280.0 | 344.8 | 392.7 | 371.7 | 314.4 | 265.8 | 231.3 | 209.0  |
| 57.5°  | 168.9 | 183.0 | 206.1 | 248.9 | 305.2 | 338.2 | 311.4 | 263.0 | 224.5 | 197.9 | 181.3  |
| 60°    | 153.9 | 166.3 | 188.4 | 228.1 | 277.0 | 302.0 | 275.6 | 232.9 | 200.4 | 179.1 | 164.3  |
| 62.5°  | 139.6 | 150.4 | 170.8 | 206.9 | 249.4 | 270.4 | 243.7 | 207.5 | 179.9 | 161.0 | 148.4  |
| 65°    | 118.0 | 127.8 | 145.9 | 173.9 | 208.8 | 222.8 | 199.8 | 170.5 | 149.0 | 135.0 | 126.6  |
| 67.5°  | 98.2  | 106.6 | 122.2 | 144.2 | 170.0 | 180.1 | 162.6 | 139.9 | 123.7 | 112.4 | 105.8  |
| 70°    | 85.1  | 92.3  | 104.5 | 123.6 | 146.8 | 154.6 | 138.2 | 119.5 | 107.7 | 98.7  | 92.5   |
| 72.5°  | 74.0  | 79.3  | 90.4  | 105.1 | 124.5 | 130.7 | 119.2 | 102.9 | 91.9  | 85.1  | 80.1   |
| 75°    | 56.4  | 60.8  | 68.0  | 79.8  | 93.2  | 96.9  | 88.3  | 78.0  | 70.6  | 65.8  | 62.0   |
| 77.5°  | 40.6  | 43.9  | 49.1  | 56.4  | 65.7  | 69.0  | 63.5  | 56.7  | 51.2  | 48.0  | 45.9   |
| 80°    | 30.7  | 33.3  | 37.7  | 43.7  | 49.3  | 51.1  | 48.0  | 42.7  | 38.9  | 37.1  | 35.3   |
| 82.5°  | 22.6  | 24.1  | 26.8  | 30.9  | 34.7  | 36.9  | 34.2  | 31.0  | 28.9  | 27.3  | 26.6   |
| 85°    | 11.5  | 12.2  | 13.4  | 15.1  | 17.5  | 18.3  | 17.2  | 16.4  | 15.2  | 14.2  | 14.2   |
| 87.5°  | 4.8   | 5.2   | 6.2   | 6.9   | 7.8   | 8.9   | 9.2   | 9.4   | 9.7   | 9.4   | 9.5    |
| 90°    | 3.4   | 5.2   | 7.7   | 9.5   | 11.2  | 13.8  | 16.4  | 18.9  | 21.5  | 20.7  | 21.5   |
| 92.5°  | 15.8  | 23.1  | 29.7  | 36.9  | 49.7  | 72.2  | 109.2 | 145.4 | 132.2 | 99.7  | 72.3   |
| 95°    | 31.8  | 41.2  | 55.9  | 78.2  | 111.8 | 184.8 | 312.8 | 453.7 | 509.6 | 413.4 | 309.4  |
| 97.5°  | 50.7  | 58.1  | 70.8  | 92.8  | 129.1 | 198.9 | 343.3 | 578.2 | 789.8 | 845.0 | 771.3  |
| 100°   | 64.5  | 70.5  | 82.5  | 103.1 | 136.6 | 196.8 | 324.0 | 550.0 | 813.9 | 983.2 | 1013.3 |
| 102.5° | 79.6  | 84.9  | 96.3  | 114.9 | 145.6 | 199.6 | 307.5 | 508.8 | 769.2 | 990.1 | 1093.7 |
| 105°   | 102.3 | 107.5 | 117.8 | 134.1 | 160.7 | 207.2 | 295.7 | 458.1 | 691.0 | 937.6 | 1117.2 |
| 107.5° | 125.3 | 130.3 | 140.4 | 155.8 | 180.5 | 221.2 | 294.8 | 425.8 | 621.9 | 845.8 | 1049.6 |
| 110°   | 141.8 | 146.1 | 155.6 | 170.1 | 194.2 | 232.9 | 298.3 | 413.4 | 582.7 | 788.1 | 984.9  |





TEST NUMBER: P331894-935

CATALOG NUMBER: S123DIP-S340D1025U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 157.0 | 161.3 | 170.7 | 185.3 | 208.7 | 244.6 | 305.1 | 406.5 | 556.6 | 737.9 | 920.9 |
| 115°   | 179.6 | 184.8 | 193.4 | 208.0 | 231.2 | 263.8 | 316.2 | 403.9 | 528.6 | 677.3 | 836.2 |
| 117.5° | 202.0 | 206.3 | 214.1 | 230.5 | 252.0 | 284.3 | 331.1 | 405.4 | 512.0 | 640.6 | 774.9 |
| 120°   | 215.7 | 220.0 | 228.6 | 245.0 | 266.4 | 297.4 | 342.1 | 408.2 | 504.5 | 621.4 | 742.5 |
| 122.5° | 228.8 | 233.1 | 242.4 | 258.0 | 280.9 | 311.1 | 352.4 | 413.0 | 499.6 | 605.5 | 717.1 |
| 125°   | 246.7 | 251.8 | 261.2 | 277.6 | 300.8 | 330.9 | 368.7 | 420.3 | 493.4 | 585.3 | 683.3 |
| 127.5° | 261.7 | 268.1 | 277.8 | 295.8 | 319.0 | 348.1 | 382.1 | 428.5 | 490.3 | 567.4 | 653.7 |
| 130°   | 270.7 | 278.4 | 288.8 | 306.8 | 330.0 | 358.3 | 391.1 | 434.0 | 488.2 | 557.8 | 635.2 |
| 132.5° | 278.3 | 286.7 | 299.1 | 317.1 | 339.7 | 367.3 | 399.3 | 438.2 | 487.5 | 548.8 | 617.9 |
| 135°   | 290.5 | 300.0 | 312.8 | 330.9 | 354.0 | 380.7 | 409.9 | 444.4 | 486.5 | 537.2 | 594.7 |
| 137.5° | 302.0 | 311.3 | 325.0 | 342.9 | 364.4 | 390.0 | 417.8 | 448.4 | 484.6 | 527.0 | 573.6 |
| 140°   | 310.2 | 318.8 | 332.6 | 349.8 | 371.3 | 396.2 | 422.0 | 451.2 | 483.9 | 520.8 | 561.2 |
| 142.5° | 317.8 | 327.1 | 339.5 | 356.6 | 376.8 | 401.1 | 426.1 | 453.2 | 482.5 | 515.3 | 549.5 |
| 145°   | 330.0 | 337.8 | 350.7 | 365.2 | 385.0 | 407.3 | 430.6 | 454.6 | 480.4 | 507.9 | 535.5 |
| 147.5° | 342.4 | 350.0 | 361.1 | 375.2 | 392.1 | 412.5 | 433.3 | 454.6 | 477.2 | 500.7 | 523.9 |
| 150°   | 350.7 | 357.5 | 368.7 | 380.7 | 396.2 | 415.9 | 434.0 | 454.6 | 474.4 | 495.8 | 515.7 |
| 152.5° | 358.9 | 365.8 | 375.6 | 386.2 | 401.1 | 418.0 | 435.4 | 452.5 | 471.0 | 490.4 | 508.1 |
| 155°   | 372.1 | 377.3 | 385.9 | 395.4 | 407.3 | 422.0 | 435.8 | 450.3 | 464.9 | 482.2 | 496.7 |
| 157.5° | 383.5 | 387.6 | 395.2 | 403.2 | 412.5 | 424.2 | 436.6 | 447.5 | 459.6 | 472.9 | 484.7 |
| 160°   | 391.1 | 394.5 | 401.3 | 407.3 | 415.9 | 426.3 | 436.6 | 446.1 | 455.5 | 466.7 | 477.9 |
| 162.5° | 397.3 | 400.0 | 405.4 | 410.8 | 418.0 | 427.0 | 435.9 | 443.3 | 451.3 | 460.5 | 469.6 |
| 165°   | 405.6 | 407.3 | 411.6 | 415.1 | 421.1 | 428.0 | 434.0 | 439.2 | 445.2 | 452.0 | 458.9 |
| 167.5° | 412.5 | 413.4 | 416.6 | 419.0 | 422.8 | 427.8 | 432.7 | 435.1 | 439.0 | 444.0 | 449.6 |
| 170°   | 415.9 | 416.8 | 419.4 | 421.1 | 422.8 | 427.1 | 430.6 | 432.3 | 434.9 | 439.2 | 443.5 |
| 172.5° | 419.4 | 419.6 | 421.5 | 422.5 | 423.5 | 427.1 | 429.9 | 430.2 | 431.4 | 434.4 | 438.0 |
| 175°   | 422.8 | 422.0 | 423.7 | 423.7 | 424.6 | 426.3 | 428.0 | 427.1 | 427.1 | 428.9 | 430.6 |
| 177.5° | 424.6 | 423.9 | 424.6 | 424.6 | 424.6 | 425.2 | 426.6 | 425.2 | 424.6 | 425.2 | 425.9 |
| 180°   | 424.6 | 424.6 | 424.6 | 424.6 | 424.6 | 424.6 | 424.6 | 424.6 | 424.6 | 424.6 | 424.6 |



TEST NUMBER: P331894-935

CATALOG NUMBER: S123DIP-S340D1025U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 414.0  | 414.0  | 414.0  | 414.0  | 414.0  | 414.0  | 414.0  |
| 2.5°   | 435.7  | 435.8  | 437.6  | 438.9  | 438.2  | 439.0  | 439.4  |
| 5°     | 476.0  | 483.2  | 487.0  | 489.8  | 490.0  | 490.3  | 491.8  |
| 7.5°   | 533.1  | 540.9  | 546.6  | 555.2  | 557.7  | 560.6  | 559.8  |
| 10°    | 574.9  | 586.3  | 596.2  | 601.3  | 607.0  | 615.2  | 608.6  |
| 12.5°  | 613.9  | 634.1  | 649.1  | 657.2  | 662.5  | 664.1  | 660.9  |
| 15°    | 678.2  | 704.6  | 718.8  | 718.5  | 736.5  | 744.3  | 732.1  |
| 17.5°  | 737.1  | 761.6  | 781.2  | 791.2  | 806.2  | 809.5  | 808.0  |
| 20°    | 773.3  | 800.0  | 815.2  | 832.4  | 840.2  | 847.2  | 848.4  |
| 22.5°  | 804.3  | 828.4  | 844.7  | 859.0  | 865.6  | 868.9  | 870.9  |
| 25°    | 836.5  | 855.3  | 865.1  | 870.1  | 871.9  | 871.5  | 868.9  |
| 27.5°  | 834.2  | 835.7  | 824.8  | 814.2  | 804.7  | 794.0  | 790.3  |
| 30°    | 812.5  | 795.7  | 765.6  | 748.6  | 723.5  | 703.6  | 711.7  |
| 32.5°  | 755.6  | 722.0  | 688.3  | 651.0  | 620.2  | 611.4  | 602.5  |
| 35°    | 644.9  | 585.9  | 551.4  | 511.3  | 495.2  | 479.2  | 468.1  |
| 37.5°  | 521.7  | 476.1  | 435.1  | 409.0  | 392.9  | 382.7  | 377.3  |
| 40°    | 451.1  | 410.0  | 376.3  | 355.0  | 342.8  | 331.4  | 329.8  |
| 42.5°  | 394.8  | 356.5  | 331.2  | 314.3  | 302.6  | 297.6  | 294.1  |
| 45°    | 323.3  | 296.7  | 279.7  | 267.6  | 259.8  | 256.8  | 252.7  |
| 47.5°  | 273.7  | 254.9  | 242.0  | 233.8  | 227.9  | 225.7  | 225.4  |
| 50°    | 245.9  | 230.2  | 220.8  | 214.4  | 209.8  | 209.0  | 205.8  |
| 52.5°  | 225.1  | 211.5  | 204.1  | 198.5  | 195.2  | 193.0  | 192.0  |
| 55°    | 195.4  | 186.3  | 179.7  | 176.5  | 173.9  | 171.7  | 171.7  |
| 57.5°  | 170.9  | 163.4  | 159.0  | 156.3  | 155.5  | 153.9  | 152.9  |
| 60°    | 155.8  | 149.5  | 146.0  | 143.6  | 142.0  | 142.2  | 140.4  |
| 62.5°  | 141.1  | 136.9  | 133.6  | 131.3  | 129.3  | 129.4  | 129.5  |
| 65°    | 120.1  | 116.9  | 114.5  | 113.7  | 112.5  | 111.2  | 111.5  |
| 67.5°  | 101.9  | 98.8   | 96.9   | 95.6   | 95.1   | 94.4   | 95.6   |
| 70°    | 88.7   | 86.4   | 85.1   | 83.9   | 83.4   | 83.6   | 84.6   |
| 72.5°  | 76.6   | 75.1   | 74.1   | 73.6   | 72.7   | 72.8   | 73.4   |
| 75°    | 60.2   | 59.0   | 58.2   | 57.6   | 57.3   | 57.3   | 57.3   |
| 77.5°  | 44.2   | 43.9   | 43.6   | 42.7   | 42.7   | 43.0   | 43.0   |
| 80°    | 34.9   | 34.3   | 34.1   | 33.7   | 33.1   | 32.7   | 33.7   |
| 82.5°  | 26.1   | 25.5   | 25.3   | 25.2   | 24.3   | 24.2   | 25.1   |
| 85°    | 14.0   | 13.4   | 13.6   | 13.4   | 13.4   | 13.3   | 13.3   |
| 87.5°  | 9.5    | 9.5    | 9.6    | 9.6    | 9.6    | 9.6    | 9.8    |
| 90°    | 22.4   | 23.2   | 24.9   | 24.0   | 24.9   | 25.7   | 24.9   |
| 92.5°  | 57.4   | 50.7   | 46.2   | 44.7   | 42.1   | 43.0   | 41.4   |
| 95°    | 209.7  | 164.2  | 133.2  | 116.9  | 109.2  | 103.1  | 99.7   |
| 97.5°  | 617.8  | 506.9  | 404.1  | 340.7  | 302.0  | 278.8  | 271.4  |
| 100°   | 943.7  | 843.1  | 721.1  | 634.3  | 571.5  | 538.0  | 538.9  |
| 102.5° | 1091.5 | 1032.9 | 955.5  | 887.9  | 838.3  | 810.3  | 790.5  |
| 105°   | 1203.2 | 1219.5 | 1197.2 | 1157.6 | 1125.0 | 1097.5 | 1093.2 |
| 107.5° | 1189.1 | 1264.4 | 1295.0 | 1295.7 | 1284.7 | 1275.4 | 1267.5 |
| 110°   | 1143.1 | 1251.3 | 1311.5 | 1335.6 | 1342.5 | 1340.7 | 1339.0 |



TEST NUMBER: P331894-935

CATALOG NUMBER: S123DIP-S340D1025U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1082.5 | 1203.9 | 1281.3 | 1325.3 | 1346.5 | 1353.1 | 1353.4 |
| 115°   | 985.8  | 1112.1 | 1205.7 | 1270.2 | 1308.0 | 1325.3 | 1329.6 |
| 117.5° | 904.0  | 1017.4 | 1112.4 | 1179.7 | 1223.0 | 1247.8 | 1253.5 |
| 120°   | 858.6  | 961.7  | 1048.5 | 1116.4 | 1164.5 | 1185.2 | 1190.3 |
| 122.5° | 822.2  | 917.7  | 998.3  | 1058.7 | 1102.0 | 1124.6 | 1131.2 |
| 125°   | 777.0  | 859.5  | 928.2  | 983.2  | 1021.0 | 1042.5 | 1048.5 |
| 127.5° | 737.2  | 811.7  | 874.2  | 923.2  | 955.5  | 974.9  | 980.4  |
| 130°   | 712.5  | 782.0  | 840.5  | 886.1  | 917.1  | 935.0  | 941.9  |
| 132.5° | 689.1  | 753.9  | 809.6  | 852.4  | 883.3  | 899.3  | 904.1  |
| 135°   | 655.7  | 711.6  | 760.6  | 802.7  | 828.5  | 844.0  | 850.0  |
| 137.5° | 623.6  | 671.8  | 714.2  | 749.6  | 775.8  | 788.8  | 792.7  |
| 140°   | 605.0  | 646.3  | 683.3  | 715.9  | 739.9  | 753.7  | 752.9  |
| 142.5° | 587.2  | 622.9  | 655.0  | 682.9  | 704.2  | 716.6  | 715.7  |
| 145°   | 563.8  | 591.2  | 616.2  | 637.7  | 655.7  | 662.6  | 664.3  |
| 147.5° | 546.4  | 568.6  | 586.3  | 602.6  | 614.8  | 621.4  | 622.1  |
| 150°   | 535.5  | 553.5  | 569.8  | 582.7  | 592.1  | 597.3  | 597.3  |
| 152.5° | 525.1  | 541.1  | 554.7  | 564.8  | 573.6  | 576.7  | 576.7  |
| 155°   | 510.5  | 523.4  | 533.7  | 541.5  | 548.3  | 550.0  | 550.9  |
| 157.5° | 496.2  | 506.2  | 514.3  | 521.0  | 526.2  | 527.5  | 527.4  |
| 160°   | 487.3  | 495.8  | 501.9  | 507.9  | 513.1  | 513.1  | 512.2  |
| 162.5° | 477.7  | 485.6  | 490.9  | 494.9  | 499.3  | 499.3  | 498.4  |
| 165°   | 464.1  | 470.1  | 474.4  | 477.9  | 481.3  | 480.4  | 480.4  |
| 167.5° | 453.6  | 457.0  | 460.1  | 461.7  | 464.1  | 463.2  | 463.2  |
| 170°   | 446.1  | 449.4  | 451.2  | 452.0  | 453.7  | 452.9  | 452.9  |
| 172.5° | 439.9  | 442.6  | 443.7  | 443.8  | 445.6  | 444.0  | 443.3  |
| 175°   | 431.4  | 433.2  | 433.2  | 433.2  | 434.0  | 433.2  | 432.3  |
| 177.5° | 426.6  | 427.3  | 427.3  | 426.6  | 427.3  | 425.9  | 425.9  |
| 180°   | 424.6  | 424.6  | 424.6  | 424.6  | 424.6  | 424.6  | 424.6  |

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