

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: P332500

Luminaire Tested: **S124DIP-S350D590U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332500  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124DIP-S350D590U835-4F0-1E-UDD-A1  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 590 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

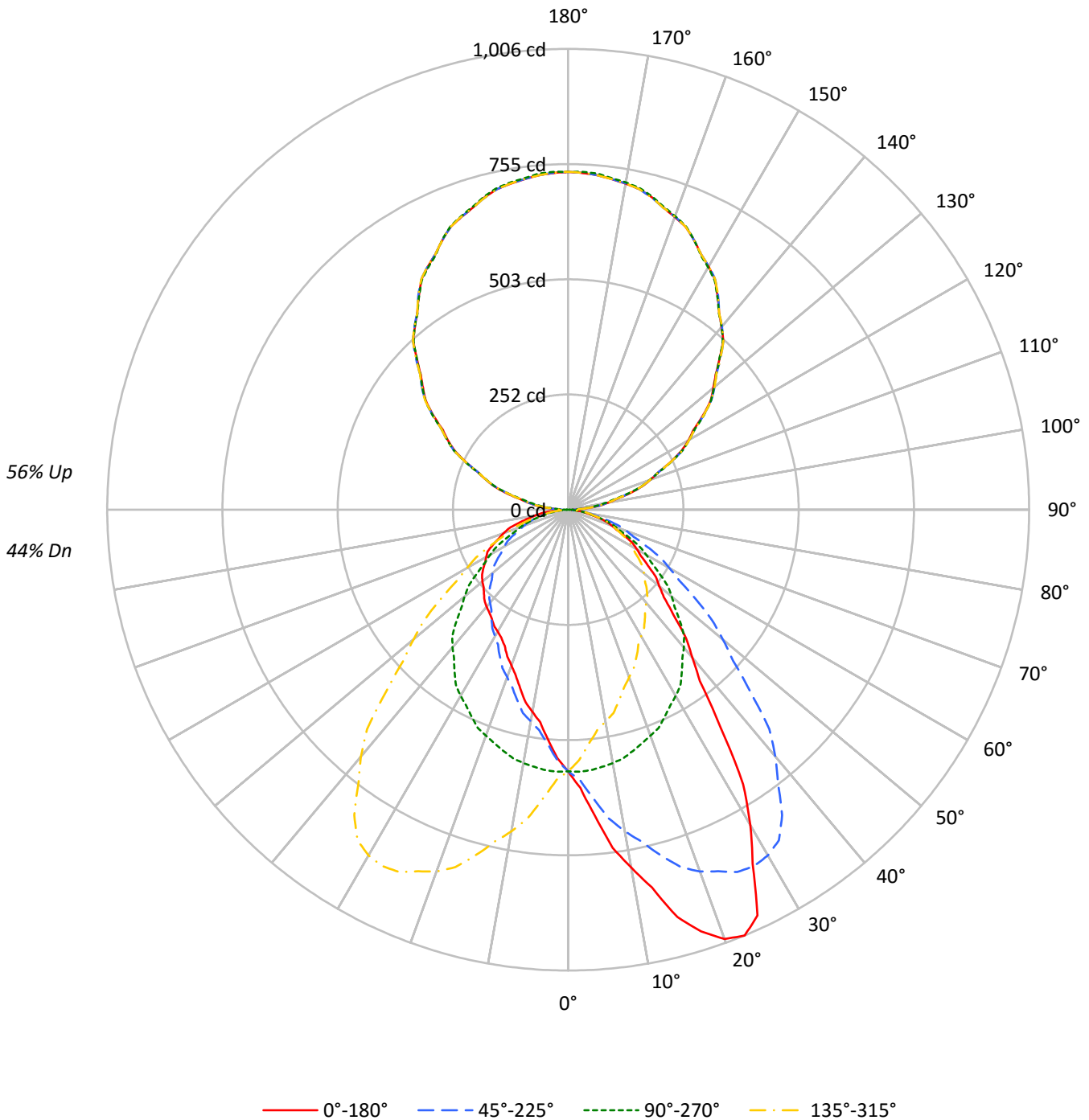
Lumens per Lamp: N/A  
Luminaire Lumens: 3624.5 lumens  
Efficiency: N/A  
Efficacy: 141.6 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 25.6  
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: P332500  
CATALOG NUMBER: S124DIP-S350D590U835-4F0-1E-UDD-A1

### Luminous Intensity Polar Plot





TEST NUMBER: P332500

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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| RF  | 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 | 50 | 30 | 10 | 0  |   |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| 0   | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 64 | 64 | 64 | 50 | 50 | 50 | 44 |    |    |    |   |
| 1   | 97  | 92  | 89  | 85  | 88 | 85 | 81 | 78 | 70 | 68 | 66 | 57 | 55 | 54 | 45 | 44 | 43 | 37 |    |    |    |   |
| 2   | 88  | 81  | 75  | 70  | 80 | 74 | 69 | 65 | 62 | 58 | 55 | 50 | 48 | 45 | 40 | 38 | 36 | 31 |    |    |    |   |
| 3   | 80  | 71  | 64  | 58  | 73 | 65 | 59 | 54 | 55 | 50 | 46 | 44 | 41 | 39 | 35 | 33 | 31 | 27 |    |    |    |   |
| 4   | 74  | 63  | 55  | 49  | 67 | 58 | 51 | 46 | 49 | 44 | 40 | 40 | 36 | 33 | 32 | 29 | 27 | 23 |    |    |    |   |
| 5   | 68  | 56  | 48  | 42  | 62 | 52 | 45 | 40 | 44 | 38 | 34 | 36 | 32 | 29 | 28 | 26 | 24 | 20 |    |    |    |   |
| 6   | 62  | 50  | 43  | 37  | 57 | 47 | 40 | 34 | 39 | 34 | 30 | 32 | 28 | 25 | 26 | 23 | 21 | 18 |    |    |    |   |
| 7   | 58  | 46  | 38  | 32  | 53 | 42 | 35 | 30 | 36 | 30 | 26 | 29 | 25 | 22 | 24 | 21 | 19 | 16 |    |    |    |   |
| 8   | 53  | 41  | 34  | 29  | 49 | 38 | 32 | 27 | 32 | 27 | 23 | 27 | 23 | 20 | 22 | 19 | 17 | 14 |    |    |    |   |
| 9   | 50  | 38  | 30  | 25  | 46 | 35 | 28 | 24 | 30 | 25 | 21 | 25 | 21 | 18 | 20 | 17 | 15 | 13 |    |    |    |   |
| 10  | 46  | 35  | 27  | 23  | 43 | 32 | 26 | 21 | 27 | 22 | 19 | 23 | 19 | 16 | 19 | 16 | 14 | 12 |    |    |    |   |

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

|     | 0°   | 90°  | 180° | 270° |
|-----|------|------|------|------|
| 0°  | 4612 | 4612 | 4612 | 4612 |
| 5°  | 5431 | 4624 | 4081 | 4624 |
| 10° | 6503 | 4604 | 3674 | 4604 |
| 15° | 7694 | 4557 | 3375 | 4557 |
| 20° | 8568 | 4509 | 3107 | 4509 |
| 25° | 8706 | 4440 | 2922 | 4440 |
| 30° | 7408 | 4373 | 2864 | 4373 |
| 35° | 5695 | 4263 | 2864 | 4263 |
| 40° | 4440 | 4135 | 2918 | 4135 |
| 45° | 3701 | 3942 | 2967 | 3942 |
| 50° | 3258 | 3706 | 3067 | 3706 |
| 55° | 2985 | 3424 | 3191 | 3424 |
| 60° | 2796 | 3171 | 3339 | 3171 |
| 65° | 2604 | 2888 | 3463 | 2888 |
| 70° | 2379 | 2608 | 3541 | 2608 |
| 75° | 2127 | 2296 | 3500 | 2296 |
| 80° | 1781 | 1883 | 3389 | 1883 |
| 85° | 1315 | 1362 | 3242 | 1362 |



TEST NUMBER: P332500

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 55.7   | 1.5       |
| 10°-20°   | 171.6  | 4.7       |
| 20°-30°   | 272.0  | 7.5       |
| 30°-40°   | 302.8  | 8.4       |
| 40°-50°   | 275.6  | 7.6       |
| 50°-60°   | 225.2  | 6.2       |
| 60°-70°   | 160.8  | 4.4       |
| 70°-80°   | 88.5   | 2.4       |
| 80°-90°   | 26.4   | 0.7       |
| 90°-100°  | 48.6   | 1.3       |
| 100°-110° | 144.1  | 4.0       |
| 110°-120° | 244.6  | 6.7       |
| 120°-130° | 322.5  | 8.9       |
| 130°-140° | 362.2  | 10.0      |
| 140°-150° | 355.9  | 9.8       |
| 150°-160° | 299.3  | 8.3       |
| 160°-170° | 199.1  | 5.5       |
| 170°-180° | 69.7   | 1.9       |
| 0°-30°    | 499.3  | 13.8      |
| 0°-40°    | 802.0  | 22.1      |
| 0°-60°    | 1302.8 | 35.9      |
| 0°-90°    | 1578.5 | 43.6      |
| 90°-120°  | 437.3  | 12.1      |
| 90°-150°  | 1477.8 | 40.8      |
| 90°-180°  | 2046.0 | 56.4      |
| 0°-180°   | 3624.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0°   | 571 | 571 | 571  | 571  | 571  |      |
| 5°   | 670 | 571 | 504  | 571  | 670  | 68   |
| 15°  | 921 | 545 | 404  | 545  | 921  | 260  |
| 25°  | 977 | 498 | 328  | 498  | 977  | 431  |
| 35°  | 578 | 433 | 291  | 433  | 578  | 367  |
| 45°  | 324 | 345 | 260  | 345  | 324  | 255  |
| 55°  | 212 | 243 | 227  | 243  | 212  | 192  |
| 65°  | 136 | 151 | 181  | 151  | 136  | 135  |
| 75°  | 68  | 74  | 112  | 74   | 68   | 72   |
| 85°  | 14  | 15  | 35   | 15   | 14   | 18   |
| 90°  | 17  | 2   | 17   | 2    | 17   | 9    |
| 95°  | 45  | 34  | 45   | 34   | 45   | 47   |
| 105° | 139 | 133 | 139  | 133  | 139  | 147  |
| 115° | 246 | 249 | 246  | 249  | 246  | 244  |
| 125° | 359 | 362 | 359  | 362  | 359  | 321  |
| 135° | 468 | 467 | 468  | 467  | 468  | 361  |
| 145° | 568 | 568 | 568  | 568  | 568  | 355  |
| 155° | 650 | 650 | 650  | 650  | 650  | 299  |
| 165° | 706 | 708 | 706  | 708  | 706  | 199  |
| 175° | 733 | 736 | 733  | 736  | 733  | 70   |
| 180° | 738 | 738 | 738  | 738  | 738  |      |



TEST NUMBER: P332500

CATALOG NUMBER: S124DIP-S350D590U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 571.3  | 571.3  | 571.3  | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 |
| 2.5°   | 608.0  | 607.9  | 606.0  | 605.6 | 604.3 | 602.6 | 602.2 | 599.1 | 593.1 | 590.2 | 589.5 |
| 5°     | 670.2  | 675.0  | 668.8  | 667.6 | 666.9 | 659.1 | 655.1 | 650.4 | 639.5 | 633.1 | 628.1 |
| 7.5°   | 744.5  | 745.0  | 742.3  | 740.2 | 734.1 | 727.3 | 717.1 | 706.2 | 693.2 | 679.8 | 669.6 |
| 10°    | 793.3  | 795.2  | 792.1  | 791.7 | 779.6 | 772.0 | 756.9 | 744.1 | 729.4 | 713.1 | 698.2 |
| 12.5°  | 844.8  | 842.2  | 840.6  | 830.5 | 828.2 | 814.4 | 796.8 | 783.7 | 761.0 | 742.2 | 722.4 |
| 15°    | 920.6  | 915.4  | 912.1  | 898.2 | 891.3 | 872.1 | 853.4 | 839.0 | 809.4 | 781.2 | 759.9 |
| 17.5°  | 965.1  | 970.3  | 962.7  | 956.9 | 939.2 | 925.7 | 906.6 | 876.3 | 853.2 | 818.2 | 791.3 |
| 20°    | 997.3  | 997.8  | 993.5  | 987.6 | 973.7 | 956.6 | 935.8 | 902.7 | 875.0 | 840.2 | 803.2 |
| 22.5°  | 1006.0 | 1006.1 | 1004.3 | 998.8 | 988.2 | 974.4 | 953.4 | 925.7 | 892.2 | 854.4 | 817.4 |
| 25°    | 977.4  | 976.5  | 978.6  | 984.8 | 980.8 | 976.5 | 964.4 | 943.8 | 912.6 | 872.6 | 832.8 |
| 27.5°  | 871.2  | 877.8  | 889.8  | 904.9 | 919.5 | 930.6 | 933.7 | 929.5 | 910.2 | 877.3 | 835.6 |
| 30°    | 794.7  | 802.8  | 811.8  | 826.9 | 856.3 | 873.1 | 891.5 | 905.5 | 897.7 | 871.4 | 832.6 |
| 32.5°  | 710.7  | 712.7  | 726.0  | 743.2 | 770.1 | 802.4 | 831.7 | 860.1 | 869.5 | 855.7 | 823.3 |
| 35°    | 577.9  | 581.3  | 595.7  | 612.7 | 645.6 | 685.2 | 729.2 | 768.5 | 800.9 | 813.9 | 797.3 |
| 37.5°  | 471.6  | 481.1  | 491.3  | 509.6 | 538.6 | 574.2 | 619.9 | 670.8 | 719.1 | 751.5 | 757.0 |
| 40°    | 421.3  | 427.2  | 434.5  | 448.5 | 473.1 | 508.1 | 547.4 | 605.6 | 657.0 | 703.4 | 718.5 |
| 42.5°  | 381.5  | 385.0  | 389.5  | 402.1 | 420.8 | 455.7 | 491.6 | 542.8 | 594.3 | 649.8 | 675.2 |
| 45°    | 324.2  | 327.8  | 335.4  | 342.7 | 356.9 | 381.0 | 414.4 | 456.5 | 508.4 | 561.8 | 608.7 |
| 47.5°  | 282.9  | 285.1  | 289.6  | 297.5 | 309.6 | 325.5 | 352.6 | 387.8 | 435.8 | 487.8 | 537.7 |
| 50°    | 259.4  | 261.3  | 264.8  | 271.9 | 281.2 | 295.4 | 317.6 | 350.5 | 388.1 | 440.4 | 489.4 |
| 52.5°  | 240.8  | 241.6  | 244.2  | 249.0 | 256.4 | 268.3 | 286.6 | 313.8 | 348.8 | 395.4 | 444.2 |
| 55°    | 212.1  | 213.0  | 215.4  | 218.9 | 225.3 | 232.9 | 246.8 | 267.2 | 297.7 | 338.2 | 380.6 |
| 57.5°  | 188.4  | 189.1  | 191.0  | 192.4 | 197.7 | 203.8 | 214.6 | 229.1 | 252.2 | 286.6 | 324.4 |
| 60°    | 173.2  | 172.8  | 175.1  | 176.3 | 179.9 | 185.1 | 193.4 | 207.3 | 227.4 | 255.1 | 289.9 |
| 62.5°  | 158.5  | 157.8  | 159.8  | 161.4 | 163.4 | 167.8 | 174.6 | 185.5 | 201.9 | 226.9 | 257.0 |
| 65°    | 136.3  | 135.4  | 136.6  | 138.5 | 140.3 | 142.7 | 147.7 | 157.4 | 170.4 | 188.4 | 211.3 |
| 67.5°  | 114.1  | 115.1  | 115.3  | 116.2 | 117.3 | 120.5 | 123.9 | 130.8 | 140.0 | 154.4 | 173.8 |
| 70°    | 100.8  | 101.1  | 102.0  | 102.0 | 102.7 | 105.6 | 108.4 | 112.4 | 121.4 | 134.7 | 150.5 |
| 72.5°  | 87.6   | 88.6   | 88.2   | 88.9  | 89.5  | 91.4  | 93.4  | 97.3  | 104.9 | 114.8 | 128.2 |
| 75°    | 68.2   | 68.9   | 68.9   | 69.1  | 69.8  | 70.5  | 72.2  | 75.0  | 80.5  | 87.8  | 97.0  |
| 77.5°  | 49.7   | 49.8   | 50.1   | 51.0  | 51.0  | 52.1  | 53.3  | 55.6  | 58.3  | 63.3  | 69.0  |
| 80°    | 38.3   | 38.8   | 38.6   | 39.1  | 39.1  | 40.0  | 40.5  | 43.3  | 44.5  | 47.8  | 52.3  |
| 82.5°  | 28.1   | 28.6   | 28.5   | 29.2  | 29.6  | 29.8  | 30.4  | 31.6  | 32.8  | 35.7  | 37.5  |
| 85°    | 14.2   | 14.7   | 14.2   | 14.7  | 15.4  | 15.6  | 16.3  | 16.6  | 17.5  | 18.2  | 19.9  |
| 87.5°  | 7.6    | 8.1    | 8.1    | 8.2   | 8.5   | 8.6   | 8.6   | 8.3   | 8.9   | 8.9   | 9.5   |
| 90°    | 17.1   | 16.9   | 16.6   | 16.4  | 16.1  | 15.6  | 14.8  | 14.1  | 13.3  | 12.5  | 11.5  |
| 92.5°  | 25.3   | 25.2   | 25.0   | 24.9  | 24.7  | 24.4  | 24.0  | 23.5  | 23.0  | 22.6  | 21.9  |
| 95°    | 45.1   | 45.1   | 45.1   | 45.1  | 45.1  | 44.9  | 44.5  | 44.1  | 43.7  | 43.3  | 42.5  |
| 97.5°  | 70.6   | 70.6   | 70.6   | 70.6  | 70.6  | 70.4  | 69.9  | 69.5  | 69.0  | 68.6  | 67.5  |
| 100°   | 88.4   | 88.4   | 88.4   | 88.4  | 88.4  | 88.3  | 88.0  | 87.8  | 87.5  | 87.3  | 86.1  |
| 102.5° | 108.5  | 108.4  | 108.3  | 108.2 | 108.1 | 107.8 | 107.5 | 107.1 | 106.8 | 106.4 | 105.4 |
| 105°   | 139.2  | 138.8  | 138.4  | 138.0 | 137.6 | 137.3 | 136.9 | 136.5 | 136.1 | 135.7 | 135.2 |
| 107.5° | 169.1  | 169.1  | 169.1  | 169.1 | 169.2 | 169.0 | 168.6 | 168.3 | 167.9 | 167.6 | 167.5 |
| 110°   | 190.5  | 190.1  | 189.7  | 189.4 | 189.0 | 188.9 | 189.2 | 189.4 | 189.7 | 189.9 | 190.1 |



TEST NUMBER: P332500

CATALOG NUMBER: S124DIP-S350D590U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 212.4 | 212.3 | 212.2 | 212.2 | 212.1 | 212.1 | 212.1 | 212.2 | 212.2 | 212.3 | 212.5 |
| 115°   | 246.4 | 246.5 | 246.6 | 246.8 | 246.9 | 247.0 | 247.2 | 247.3 | 247.4 | 247.5 | 247.8 |
| 117.5° | 278.8 | 279.0 | 279.3 | 279.5 | 279.8 | 280.1 | 280.6 | 281.0 | 281.4 | 281.9 | 282.0 |
| 120°   | 303.4 | 303.2 | 302.9 | 302.7 | 302.4 | 302.6 | 303.2 | 303.9 | 304.5 | 305.1 | 305.5 |
| 122.5° | 324.0 | 324.4 | 324.9 | 325.3 | 325.8 | 326.2 | 326.7 | 327.1 | 327.5 | 328.0 | 328.1 |
| 125°   | 359.3 | 359.6 | 359.8 | 360.1 | 360.3 | 360.6 | 360.8 | 361.1 | 361.3 | 361.6 | 361.7 |
| 127.5° | 392.1 | 392.3 | 392.5 | 392.7 | 392.9 | 393.1 | 393.4 | 393.6 | 393.9 | 394.1 | 394.3 |
| 130°   | 413.5 | 414.0 | 414.5 | 415.0 | 415.5 | 415.9 | 416.2 | 416.4 | 416.7 | 416.9 | 416.9 |
| 132.5° | 436.3 | 436.5 | 436.7 | 436.9 | 437.1 | 437.4 | 437.6 | 437.9 | 438.1 | 438.4 | 438.5 |
| 135°   | 467.7 | 468.1 | 468.4 | 468.8 | 469.2 | 469.5 | 469.8 | 470.0 | 470.3 | 470.5 | 470.5 |
| 137.5° | 500.7 | 500.6 | 500.5 | 500.4 | 500.3 | 500.5 | 500.8 | 501.1 | 501.5 | 501.8 | 501.6 |
| 140°   | 520.7 | 520.9 | 521.0 | 521.1 | 521.2 | 521.4 | 521.5 | 521.6 | 521.7 | 521.9 | 521.9 |
| 142.5° | 540.8 | 540.8 | 540.9 | 540.9 | 540.9 | 540.9 | 541.0 | 541.0 | 541.0 | 541.0 | 541.1 |
| 145°   | 568.1 | 568.4 | 568.8 | 569.2 | 569.6 | 569.8 | 570.0 | 570.1 | 570.2 | 570.3 | 570.2 |
| 147.5° | 595.7 | 595.8 | 595.9 | 596.1 | 596.2 | 596.3 | 596.4 | 596.5 | 596.6 | 596.7 | 596.8 |
| 150°   | 612.6 | 612.7 | 612.8 | 612.9 | 613.1 | 613.1 | 613.1 | 613.1 | 613.1 | 613.1 | 613.1 |
| 152.5° | 628.1 | 628.4 | 628.7 | 629.1 | 629.4 | 629.4 | 629.1 | 628.8 | 628.5 | 628.2 | 628.1 |
| 155°   | 649.6 | 650.1 | 650.6 | 651.1 | 651.7 | 651.7 | 651.1 | 650.6 | 650.1 | 649.6 | 649.8 |
| 157.5° | 668.9 | 669.3 | 669.8 | 670.2 | 670.6 | 670.7 | 670.3 | 669.9 | 669.5 | 669.1 | 669.2 |
| 160°   | 679.9 | 680.5 | 681.1 | 681.8 | 682.4 | 682.5 | 682.1 | 681.8 | 681.4 | 681.0 | 681.1 |
| 162.5° | 691.3 | 691.9 | 692.5 | 693.2 | 693.8 | 693.8 | 693.1 | 692.4 | 691.7 | 691.0 | 691.2 |
| 165°   | 706.1 | 706.6 | 707.1 | 707.6 | 708.1 | 708.0 | 707.2 | 706.5 | 705.7 | 705.0 | 705.2 |
| 167.5° | 716.7 | 717.5 | 718.3 | 719.1 | 719.8 | 719.9 | 719.1 | 718.3 | 717.6 | 716.8 | 716.8 |
| 170°   | 722.6 | 723.5 | 724.4 | 725.3 | 726.2 | 726.2 | 725.5 | 724.7 | 724.0 | 723.2 | 723.1 |
| 172.5° | 727.7 | 728.5 | 729.4 | 730.3 | 731.2 | 731.2 | 730.4 | 729.5 | 728.6 | 727.8 | 727.7 |
| 175°   | 732.9 | 733.8 | 734.7 | 735.6 | 736.4 | 736.4 | 735.6 | 734.7 | 733.8 | 732.9 | 733.0 |
| 177.5° | 735.6 | 736.4 | 737.3 | 738.1 | 738.9 | 738.9 | 738.2 | 737.5 | 736.8 | 736.1 | 736.1 |
| 180°   | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 |



TEST NUMBER: P332500

CATALOG NUMBER: S124DIP-S350D590U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 |
| 2.5°   | 589.7 | 587.0 | 585.1 | 583.6 | 579.5 | 577.0 | 575.1 | 572.5 | 569.4 | 566.2 | 562.2 |
| 5°     | 623.1 | 615.1 | 609.2 | 600.2 | 591.7 | 584.6 | 577.2 | 570.6 | 562.6 | 553.8 | 547.4 |
| 7.5°   | 658.3 | 646.3 | 631.0 | 617.7 | 602.7 | 589.7 | 578.1 | 566.2 | 553.8 | 541.7 | 530.7 |
| 10°    | 680.7 | 665.3 | 648.2 | 628.1 | 609.2 | 592.4 | 576.8 | 561.6 | 546.9 | 532.3 | 519.7 |
| 12.5°  | 704.7 | 685.5 | 660.3 | 636.8 | 615.6 | 593.1 | 574.3 | 555.7 | 538.0 | 522.6 | 508.0 |
| 15°    | 737.0 | 709.3 | 680.2 | 648.7 | 620.8 | 594.5 | 568.7 | 545.3 | 525.4 | 505.0 | 490.8 |
| 17.5°  | 756.8 | 722.5 | 689.3 | 656.4 | 622.6 | 589.4 | 561.6 | 534.6 | 509.7 | 489.5 | 471.6 |
| 20°    | 769.9 | 735.8 | 694.4 | 661.5 | 621.3 | 587.2 | 555.0 | 524.9 | 498.9 | 477.4 | 458.9 |
| 22.5°  | 781.2 | 741.9 | 700.4 | 657.1 | 617.1 | 580.9 | 545.7 | 515.5 | 488.9 | 466.2 | 448.5 |
| 25°    | 787.4 | 742.2 | 697.2 | 654.1 | 608.7 | 565.9 | 533.9 | 498.4 | 470.0 | 446.1 | 427.2 |
| 27.5°  | 788.1 | 739.7 | 688.8 | 641.0 | 594.1 | 554.2 | 513.9 | 482.1 | 452.7 | 427.4 | 409.2 |
| 30°    | 786.0 | 735.6 | 680.9 | 629.1 | 582.0 | 538.7 | 503.6 | 469.1 | 439.0 | 413.9 | 395.0 |
| 32.5°  | 779.3 | 726.9 | 670.7 | 615.8 | 567.0 | 524.6 | 488.5 | 455.6 | 426.3 | 401.6 | 381.7 |
| 35°    | 760.2 | 708.3 | 648.5 | 591.4 | 541.5 | 498.7 | 466.0 | 432.6 | 403.3 | 379.9 | 360.7 |
| 37.5°  | 730.2 | 683.4 | 622.5 | 563.5 | 514.4 | 471.4 | 439.0 | 408.9 | 382.4 | 358.6 | 339.0 |
| 40°    | 704.1 | 662.9 | 601.8 | 544.3 | 491.3 | 450.4 | 420.1 | 392.4 | 366.1 | 343.6 | 324.9 |
| 42.5°  | 674.0 | 638.1 | 581.8 | 520.9 | 469.7 | 428.6 | 399.1 | 374.2 | 349.5 | 328.7 | 310.0 |
| 45°    | 620.3 | 596.6 | 543.6 | 487.3 | 434.0 | 395.2 | 367.1 | 345.3 | 324.5 | 304.1 | 288.5 |
| 47.5°  | 558.6 | 546.8 | 502.2 | 448.7 | 398.2 | 359.9 | 335.5 | 315.4 | 297.1 | 279.9 | 266.1 |
| 50°    | 517.1 | 511.4 | 472.9 | 421.3 | 373.0 | 337.0 | 312.4 | 295.1 | 279.5 | 264.4 | 251.3 |
| 52.5°  | 476.2 | 476.0 | 441.2 | 394.0 | 349.3 | 314.7 | 290.2 | 274.1 | 260.6 | 248.3 | 236.6 |
| 55°    | 413.7 | 420.3 | 393.1 | 351.0 | 311.0 | 279.7 | 257.7 | 243.3 | 233.8 | 223.7 | 214.9 |
| 57.5°  | 356.3 | 367.3 | 344.8 | 307.7 | 274.3 | 245.6 | 226.4 | 215.6 | 205.5 | 199.3 | 192.9 |
| 60°    | 318.8 | 329.2 | 311.7 | 280.5 | 249.0 | 224.4 | 206.1 | 196.4 | 187.7 | 183.4 | 178.9 |
| 62.5°  | 285.5 | 294.7 | 281.8 | 252.8 | 225.5 | 201.8 | 186.4 | 177.1 | 171.2 | 166.6 | 163.6 |
| 65°    | 237.9 | 245.7 | 234.5 | 213.5 | 190.0 | 171.1 | 158.6 | 151.2 | 145.6 | 143.7 | 140.3 |
| 67.5°  | 192.3 | 199.4 | 193.4 | 175.5 | 156.7 | 142.3 | 132.5 | 125.5 | 122.1 | 120.5 | 118.1 |
| 70°    | 165.2 | 172.3 | 165.9 | 150.3 | 135.8 | 123.8 | 114.5 | 110.5 | 107.0 | 106.3 | 103.0 |
| 72.5°  | 142.3 | 147.1 | 140.7 | 128.5 | 116.2 | 106.0 | 98.8  | 94.6  | 92.8  | 91.5  | 89.7  |
| 75°    | 106.7 | 111.0 | 106.7 | 97.3  | 88.5  | 81.4  | 75.3  | 73.6  | 71.5  | 70.8  | 69.6  |
| 77.5°  | 75.5  | 79.2  | 76.0  | 70.1  | 63.5  | 58.0  | 54.7  | 52.6  | 52.1  | 50.9  | 51.5  |
| 80°    | 57.7  | 60.1  | 57.0  | 53.0  | 47.8  | 44.0  | 41.7  | 40.5  | 39.1  | 38.6  | 39.5  |
| 82.5°  | 41.5  | 42.5  | 40.9  | 38.2  | 34.4  | 31.9  | 30.3  | 28.9  | 28.6  | 28.7  | 28.7  |
| 85°    | 21.5  | 21.3  | 21.1  | 18.7  | 17.5  | 15.9  | 14.9  | 14.7  | 14.4  | 14.9  | 15.4  |
| 87.5°  | 9.3   | 9.3   | 8.9   | 7.9   | 7.0   | 6.2   | 5.7   | 5.3   | 5.7   | 6.2   | 6.7   |
| 90°    | 10.5  | 9.5   | 8.5   | 7.3   | 5.9   | 4.5   | 3.1   | 1.7   | 3.1   | 4.5   | 5.9   |
| 92.5°  | 21.2  | 20.5  | 19.7  | 18.6  | 17.0  | 15.4  | 13.8  | 12.2  | 13.8  | 15.4  | 17.0  |
| 95°    | 41.6  | 40.7  | 39.8  | 38.8  | 37.6  | 36.5  | 35.4  | 34.2  | 35.4  | 36.5  | 37.6  |
| 97.5°  | 66.5  | 65.4  | 64.4  | 63.4  | 62.5  | 61.6  | 60.7  | 59.8  | 60.7  | 61.6  | 62.5  |
| 100°   | 85.0  | 83.8  | 82.7  | 81.9  | 81.4  | 80.9  | 80.4  | 79.8  | 80.4  | 80.9  | 81.4  |
| 102.5° | 104.3 | 103.3 | 102.3 | 101.6 | 101.4 | 101.2 | 101.0 | 100.8 | 101.0 | 101.2 | 101.4 |
| 105°   | 134.7 | 134.2 | 133.7 | 133.4 | 133.3 | 133.1 | 133.0 | 132.9 | 133.0 | 133.1 | 133.3 |
| 107.5° | 167.4 | 167.3 | 167.3 | 167.2 | 167.0 | 166.8 | 166.7 | 166.5 | 166.7 | 166.8 | 167.0 |
| 110°   | 190.2 | 190.3 | 190.4 | 190.4 | 190.1 | 189.9 | 189.6 | 189.4 | 189.6 | 189.9 | 190.1 |





TEST NUMBER: P332500

CATALOG NUMBER: S124DIP-S350D590U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 212.7 | 213.0 | 213.2 | 213.3 | 213.2 | 213.2 | 213.1 | 213.1 | 213.1 | 213.2 | 213.2 |
| 115°   | 248.0 | 248.3 | 248.5 | 248.7 | 248.7 | 248.7 | 248.7 | 248.7 | 248.7 | 248.7 | 248.7 |
| 117.5° | 282.2 | 282.4 | 282.6 | 282.6 | 282.5 | 282.4 | 282.3 | 282.2 | 282.3 | 282.4 | 282.5 |
| 120°   | 305.9 | 306.3 | 306.7 | 306.6 | 306.1 | 305.6 | 305.1 | 304.6 | 305.1 | 305.6 | 306.1 |
| 122.5° | 328.3 | 328.5 | 328.7 | 328.6 | 328.4 | 328.2 | 328.0 | 327.8 | 328.0 | 328.2 | 328.4 |
| 125°   | 361.9 | 362.0 | 362.1 | 362.2 | 362.2 | 362.2 | 362.2 | 362.2 | 362.2 | 362.2 | 362.2 |
| 127.5° | 394.5 | 394.7 | 394.9 | 394.8 | 394.5 | 394.1 | 393.7 | 393.3 | 393.7 | 394.1 | 394.5 |
| 130°   | 416.9 | 416.9 | 416.9 | 416.7 | 416.4 | 416.0 | 415.6 | 415.2 | 415.6 | 416.0 | 416.4 |
| 132.5° | 438.6 | 438.7 | 438.8 | 438.7 | 438.4 | 438.1 | 437.9 | 437.6 | 437.9 | 438.1 | 438.4 |
| 135°   | 470.5 | 470.5 | 470.5 | 470.2 | 469.4 | 468.6 | 467.9 | 467.1 | 467.9 | 468.6 | 469.4 |
| 137.5° | 501.4 | 501.2 | 501.0 | 500.7 | 500.3 | 500.0 | 499.6 | 499.3 | 499.6 | 500.0 | 500.3 |
| 140°   | 521.9 | 521.9 | 521.9 | 521.7 | 521.5 | 521.2 | 521.0 | 520.7 | 521.0 | 521.2 | 521.5 |
| 142.5° | 541.2 | 541.3 | 541.4 | 541.4 | 541.1 | 540.9 | 540.6 | 540.3 | 540.6 | 540.9 | 541.1 |
| 145°   | 570.1 | 570.0 | 569.8 | 569.5 | 569.0 | 568.5 | 568.0 | 567.5 | 568.0 | 568.5 | 569.0 |
| 147.5° | 596.9 | 597.0 | 597.1 | 596.9 | 596.2 | 595.6 | 595.0 | 594.4 | 595.0 | 595.6 | 596.2 |
| 150°   | 613.1 | 613.1 | 613.1 | 612.9 | 612.4 | 611.9 | 611.4 | 610.8 | 611.4 | 611.9 | 612.4 |
| 152.5° | 628.0 | 627.9 | 627.8 | 627.6 | 627.3 | 627.0 | 626.7 | 626.4 | 626.7 | 627.0 | 627.3 |
| 155°   | 649.9 | 650.0 | 650.1 | 650.2 | 650.2 | 650.2 | 650.2 | 650.2 | 650.2 | 650.2 | 650.2 |
| 157.5° | 669.2 | 669.2 | 669.2 | 669.4 | 669.6 | 669.8 | 670.0 | 670.3 | 670.0 | 669.8 | 669.6 |
| 160°   | 681.3 | 681.4 | 681.5 | 681.6 | 681.8 | 681.9 | 682.0 | 682.1 | 682.0 | 681.9 | 681.8 |
| 162.5° | 691.3 | 691.4 | 691.5 | 691.8 | 692.1 | 692.4 | 692.8 | 693.1 | 692.8 | 692.4 | 692.1 |
| 165°   | 705.5 | 705.7 | 706.0 | 706.3 | 706.7 | 707.0 | 707.4 | 707.8 | 707.4 | 707.0 | 706.7 |
| 167.5° | 716.8 | 716.7 | 716.7 | 717.0 | 717.5 | 718.0 | 718.6 | 719.1 | 718.6 | 718.0 | 717.5 |
| 170°   | 722.9 | 722.8 | 722.7 | 722.9 | 723.6 | 724.2 | 724.9 | 725.5 | 724.9 | 724.2 | 723.6 |
| 172.5° | 727.7 | 727.7 | 727.7 | 727.9 | 728.5 | 729.0 | 729.5 | 730.0 | 729.5 | 729.0 | 728.5 |
| 175°   | 733.2 | 733.3 | 733.4 | 733.8 | 734.4 | 735.1 | 735.7 | 736.3 | 735.7 | 735.1 | 734.4 |
| 177.5° | 736.1 | 736.1 | 736.1 | 736.3 | 736.9 | 737.4 | 737.9 | 738.4 | 737.9 | 737.4 | 736.9 |
| 180°   | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 |



TEST NUMBER: P332500

CATALOG NUMBER: S124DIP-S350D590U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 |
| 2.5°   | 560.3 | 558.6 | 556.2 | 552.8 | 549.9 | 546.9 | 546.1 | 545.0 | 547.3 | 545.4 | 544.8 |
| 5°     | 542.0 | 537.0 | 530.6 | 523.3 | 519.0 | 512.9 | 511.7 | 509.3 | 506.9 | 506.7 | 504.3 |
| 7.5°   | 522.5 | 515.2 | 506.8 | 499.4 | 492.5 | 485.7 | 481.3 | 480.4 | 476.9 | 474.8 | 472.5 |
| 10°    | 510.0 | 501.0 | 491.3 | 484.2 | 476.2 | 469.1 | 464.1 | 461.3 | 458.9 | 456.3 | 453.9 |
| 12.5°  | 495.3 | 485.7 | 477.7 | 470.0 | 460.5 | 455.1 | 446.9 | 442.0 | 441.5 | 441.5 | 435.4 |
| 15°    | 478.1 | 468.6 | 456.3 | 445.4 | 440.2 | 429.8 | 425.3 | 419.6 | 416.1 | 412.5 | 409.7 |
| 17.5°  | 458.4 | 446.6 | 437.0 | 424.5 | 414.6 | 406.3 | 400.4 | 397.0 | 391.6 | 386.6 | 383.0 |
| 20°    | 446.1 | 433.6 | 423.4 | 410.1 | 399.3 | 389.1 | 384.1 | 379.4 | 375.4 | 371.1 | 367.1 |
| 22.5°  | 433.6 | 420.5 | 408.1 | 395.2 | 385.1 | 374.3 | 369.5 | 363.1 | 359.3 | 356.9 | 352.9 |
| 25°    | 413.9 | 399.7 | 385.5 | 373.2 | 362.8 | 353.3 | 347.0 | 342.0 | 337.7 | 335.8 | 333.2 |
| 27.5°  | 392.5 | 378.4 | 364.7 | 350.7 | 338.9 | 332.0 | 326.9 | 323.2 | 320.7 | 318.2 | 317.0 |
| 30°    | 378.9 | 364.2 | 349.6 | 336.5 | 325.7 | 318.8 | 314.1 | 311.5 | 309.6 | 308.4 | 307.2 |
| 32.5°  | 365.1 | 350.6 | 335.2 | 323.3 | 313.5 | 307.4 | 303.8 | 301.2 | 300.3 | 299.9 | 299.4 |
| 35°    | 342.9 | 328.3 | 314.1 | 303.4 | 294.2 | 291.8 | 288.7 | 287.3 | 286.8 | 288.5 | 289.2 |
| 37.5°  | 321.5 | 307.9 | 294.8 | 284.5 | 278.4 | 275.0 | 273.9 | 274.0 | 275.7 | 277.1 | 278.8 |
| 40°    | 307.7 | 294.4 | 282.1 | 273.1 | 267.4 | 265.3 | 264.8 | 266.0 | 267.9 | 269.6 | 271.5 |
| 42.5°  | 294.2 | 281.2 | 270.0 | 261.6 | 257.6 | 255.6 | 255.9 | 257.1 | 259.8 | 261.8 | 264.6 |
| 45°    | 273.4 | 262.5 | 251.6 | 244.7 | 241.4 | 241.9 | 241.9 | 244.0 | 246.6 | 249.7 | 252.8 |
| 47.5°  | 253.7 | 242.7 | 233.8 | 228.0 | 226.3 | 225.9 | 227.2 | 230.0 | 233.7 | 237.5 | 241.8 |
| 50°    | 240.5 | 230.0 | 222.2 | 217.0 | 215.1 | 215.8 | 217.7 | 220.3 | 224.8 | 229.6 | 234.1 |
| 52.5°  | 227.0 | 217.5 | 210.3 | 205.5 | 204.1 | 205.4 | 207.3 | 211.4 | 215.4 | 220.5 | 225.9 |
| 55°    | 206.1 | 198.1 | 192.4 | 188.9 | 188.4 | 189.1 | 191.2 | 195.7 | 201.4 | 207.8 | 213.0 |
| 57.5°  | 185.4 | 178.6 | 173.4 | 171.0 | 171.2 | 171.9 | 175.4 | 180.7 | 186.8 | 193.6 | 200.3 |
| 60°    | 171.3 | 165.2 | 160.9 | 159.0 | 159.3 | 160.7 | 165.0 | 169.9 | 177.5 | 184.1 | 191.2 |
| 62.5°  | 158.1 | 152.7 | 148.6 | 146.9 | 146.6 | 149.7 | 153.8 | 158.9 | 166.5 | 173.9 | 181.6 |
| 65°    | 136.8 | 132.5 | 129.2 | 128.3 | 129.0 | 131.4 | 136.6 | 143.4 | 149.8 | 157.6 | 165.7 |
| 67.5°  | 116.0 | 112.5 | 110.2 | 110.6 | 111.5 | 115.0 | 119.3 | 125.2 | 132.5 | 140.6 | 148.5 |
| 70°    | 102.7 | 99.4  | 97.5  | 97.7  | 99.2  | 103.4 | 107.2 | 113.1 | 120.9 | 129.2 | 135.8 |
| 72.5°  | 89.1  | 86.9  | 85.2  | 86.2  | 87.6  | 90.5  | 95.3  | 101.2 | 108.1 | 115.8 | 122.8 |
| 75°    | 68.4  | 68.4  | 67.5  | 68.2  | 70.3  | 73.1  | 76.7  | 82.8  | 89.7  | 95.9  | 101.5 |
| 77.5°  | 50.7  | 50.2  | 50.8  | 51.7  | 52.9  | 56.3  | 60.4  | 64.8  | 69.9  | 76.1  | 80.8  |
| 80°    | 38.8  | 39.1  | 40.2  | 41.7  | 42.1  | 44.7  | 49.0  | 53.0  | 57.0  | 62.2  | 66.7  |
| 82.5°  | 29.2  | 29.4  | 30.0  | 31.8  | 32.3  | 35.1  | 37.8  | 41.8  | 45.5  | 49.0  | 52.7  |
| 85°    | 15.9  | 15.9  | 17.0  | 17.8  | 18.9  | 20.8  | 22.5  | 24.9  | 28.2  | 30.5  | 34.1  |
| 87.5°  | 7.5   | 7.8   | 8.7   | 9.3   | 10.1  | 11.2  | 11.7  | 14.0  | 14.9  | 16.0  | 17.8  |
| 90°    | 7.3   | 8.5   | 9.5   | 10.5  | 11.5  | 12.5  | 13.3  | 14.1  | 14.8  | 15.6  | 16.1  |
| 92.5°  | 18.6  | 19.7  | 20.5  | 21.2  | 21.9  | 22.6  | 23.0  | 23.5  | 24.0  | 24.4  | 24.7  |
| 95°    | 38.8  | 39.8  | 40.7  | 41.6  | 42.5  | 43.3  | 43.7  | 44.1  | 44.5  | 44.9  | 45.1  |
| 97.5°  | 63.4  | 64.4  | 65.4  | 66.5  | 67.5  | 68.6  | 69.0  | 69.5  | 69.9  | 70.4  | 70.6  |
| 100°   | 81.9  | 82.7  | 83.8  | 85.0  | 86.1  | 87.3  | 87.5  | 87.8  | 88.0  | 88.3  | 88.4  |
| 102.5° | 101.6 | 102.3 | 103.3 | 104.3 | 105.4 | 106.4 | 106.8 | 107.1 | 107.5 | 107.8 | 108.1 |
| 105°   | 133.4 | 133.7 | 134.2 | 134.7 | 135.2 | 135.7 | 136.1 | 136.5 | 136.9 | 137.3 | 137.6 |
| 107.5° | 167.2 | 167.3 | 167.3 | 167.4 | 167.5 | 167.6 | 167.9 | 168.3 | 168.6 | 169.0 | 169.2 |
| 110°   | 190.4 | 190.4 | 190.3 | 190.2 | 190.1 | 189.9 | 189.7 | 189.4 | 189.2 | 188.9 | 189.0 |



TEST NUMBER: P332500

CATALOG NUMBER: S124DIP-S350D590U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 213.3 | 213.2 | 213.0 | 212.7 | 212.5 | 212.3 | 212.2 | 212.2 | 212.1 | 212.1 | 212.1 |
| 115°   | 248.7 | 248.5 | 248.3 | 248.0 | 247.8 | 247.5 | 247.4 | 247.3 | 247.2 | 247.0 | 246.9 |
| 117.5° | 282.6 | 282.6 | 282.4 | 282.2 | 282.0 | 281.9 | 281.4 | 281.0 | 280.6 | 280.1 | 279.8 |
| 120°   | 306.6 | 306.7 | 306.3 | 305.9 | 305.5 | 305.1 | 304.5 | 303.9 | 303.2 | 302.6 | 302.4 |
| 122.5° | 328.6 | 328.7 | 328.5 | 328.3 | 328.1 | 328.0 | 327.5 | 327.1 | 326.7 | 326.2 | 325.8 |
| 125°   | 362.2 | 362.1 | 362.0 | 361.9 | 361.7 | 361.6 | 361.3 | 361.1 | 360.8 | 360.6 | 360.3 |
| 127.5° | 394.8 | 394.9 | 394.7 | 394.5 | 394.3 | 394.1 | 393.9 | 393.6 | 393.4 | 393.1 | 392.9 |
| 130°   | 416.7 | 416.9 | 416.9 | 416.9 | 416.9 | 416.9 | 416.7 | 416.4 | 416.2 | 415.9 | 415.5 |
| 132.5° | 438.7 | 438.8 | 438.7 | 438.6 | 438.5 | 438.4 | 438.1 | 437.9 | 437.6 | 437.4 | 437.1 |
| 135°   | 470.2 | 470.5 | 470.5 | 470.5 | 470.5 | 470.5 | 470.3 | 470.0 | 469.8 | 469.5 | 469.2 |
| 137.5° | 500.7 | 501.0 | 501.2 | 501.4 | 501.6 | 501.8 | 501.5 | 501.1 | 500.8 | 500.5 | 500.3 |
| 140°   | 521.7 | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 521.7 | 521.6 | 521.5 | 521.4 | 521.2 |
| 142.5° | 541.4 | 541.4 | 541.3 | 541.2 | 541.1 | 541.0 | 541.0 | 541.0 | 541.0 | 540.9 | 540.9 |
| 145°   | 569.5 | 569.8 | 570.0 | 570.1 | 570.2 | 570.3 | 570.2 | 570.1 | 570.0 | 569.8 | 569.6 |
| 147.5° | 596.9 | 597.1 | 597.0 | 596.9 | 596.8 | 596.7 | 596.6 | 596.5 | 596.4 | 596.3 | 596.2 |
| 150°   | 612.9 | 613.1 | 613.1 | 613.1 | 613.1 | 613.1 | 613.1 | 613.1 | 613.1 | 613.1 | 613.1 |
| 152.5° | 627.6 | 627.8 | 627.9 | 628.0 | 628.1 | 628.2 | 628.5 | 628.8 | 629.1 | 629.4 | 629.4 |
| 155°   | 650.2 | 650.1 | 650.0 | 649.9 | 649.8 | 649.6 | 650.1 | 650.6 | 651.1 | 651.7 | 651.7 |
| 157.5° | 669.4 | 669.2 | 669.2 | 669.2 | 669.2 | 669.1 | 669.5 | 669.9 | 670.3 | 670.7 | 670.6 |
| 160°   | 681.6 | 681.5 | 681.4 | 681.3 | 681.1 | 681.0 | 681.4 | 681.8 | 682.1 | 682.5 | 682.4 |
| 162.5° | 691.8 | 691.5 | 691.4 | 691.3 | 691.2 | 691.0 | 691.7 | 692.4 | 693.1 | 693.8 | 693.8 |
| 165°   | 706.3 | 706.0 | 705.7 | 705.5 | 705.2 | 705.0 | 705.7 | 706.5 | 707.2 | 708.0 | 708.1 |
| 167.5° | 717.0 | 716.7 | 716.7 | 716.8 | 716.8 | 716.8 | 717.6 | 718.3 | 719.1 | 719.9 | 719.8 |
| 170°   | 722.9 | 722.7 | 722.8 | 722.9 | 723.1 | 723.2 | 724.0 | 724.7 | 725.5 | 726.2 | 726.2 |
| 172.5° | 727.9 | 727.7 | 727.7 | 727.7 | 727.7 | 727.8 | 728.6 | 729.5 | 730.4 | 731.2 | 731.2 |
| 175°   | 733.8 | 733.4 | 733.3 | 733.2 | 733.0 | 732.9 | 733.8 | 734.7 | 735.6 | 736.4 | 736.4 |
| 177.5° | 736.3 | 736.1 | 736.1 | 736.1 | 736.1 | 736.1 | 736.8 | 737.5 | 738.2 | 738.9 | 738.9 |
| 180°   | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 |



TEST NUMBER: P332500

CATALOG NUMBER: S124DIP-S350D590U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 |
| 2.5°   | 544.4 | 544.1 | 542.7 | 542.5 | 542.7 | 544.1 | 544.4 | 544.8 | 545.4 | 547.3 | 545.0 |
| 5°     | 502.9 | 501.7 | 501.0 | 503.6 | 501.0 | 501.7 | 502.9 | 504.3 | 506.7 | 506.9 | 509.3 |
| 7.5°   | 471.6 | 470.7 | 468.6 | 467.9 | 468.6 | 470.7 | 471.6 | 472.5 | 474.8 | 476.9 | 480.4 |
| 10°    | 451.6 | 450.6 | 448.7 | 448.2 | 448.7 | 450.6 | 451.6 | 453.9 | 456.3 | 458.9 | 461.3 |
| 12.5°  | 432.2 | 430.4 | 430.0 | 430.5 | 430.0 | 430.4 | 432.2 | 435.4 | 441.5 | 441.5 | 442.0 |
| 15°    | 406.6 | 405.6 | 403.0 | 403.8 | 403.0 | 405.6 | 406.6 | 409.7 | 412.5 | 416.1 | 419.6 |
| 17.5°  | 381.3 | 380.2 | 377.0 | 379.8 | 377.0 | 380.2 | 381.3 | 383.0 | 386.6 | 391.6 | 397.0 |
| 20°    | 365.4 | 363.5 | 361.9 | 361.6 | 361.9 | 363.5 | 365.4 | 367.1 | 371.1 | 375.4 | 379.4 |
| 22.5°  | 350.3 | 348.6 | 348.4 | 346.9 | 348.4 | 348.6 | 350.3 | 352.9 | 356.9 | 359.3 | 363.1 |
| 25°    | 331.3 | 329.7 | 329.2 | 328.0 | 329.2 | 329.7 | 331.3 | 333.2 | 335.8 | 337.7 | 342.0 |
| 27.5°  | 316.8 | 316.0 | 315.1 | 315.5 | 315.1 | 316.0 | 316.8 | 317.0 | 318.2 | 320.7 | 323.2 |
| 30°    | 307.9 | 307.7 | 307.2 | 307.2 | 307.2 | 307.7 | 307.9 | 307.2 | 308.4 | 309.6 | 311.5 |
| 32.5°  | 300.5 | 300.5 | 300.8 | 300.8 | 300.8 | 300.5 | 300.5 | 299.4 | 299.9 | 300.3 | 301.2 |
| 35°    | 290.2 | 290.9 | 291.3 | 290.6 | 291.3 | 290.9 | 290.2 | 289.2 | 288.5 | 286.8 | 287.3 |
| 37.5°  | 280.8 | 281.5 | 282.2 | 283.0 | 282.2 | 281.5 | 280.8 | 278.8 | 277.1 | 275.7 | 274.0 |
| 40°    | 273.6 | 275.2 | 275.7 | 276.9 | 275.7 | 275.2 | 273.6 | 271.5 | 269.6 | 267.9 | 266.0 |
| 42.5°  | 266.8 | 268.6 | 269.8 | 270.1 | 269.8 | 268.6 | 266.8 | 264.6 | 261.8 | 259.8 | 257.1 |
| 45°    | 256.3 | 258.2 | 259.9 | 259.9 | 259.9 | 258.2 | 256.3 | 252.8 | 249.7 | 246.6 | 244.0 |
| 47.5°  | 245.5 | 248.2 | 249.9 | 250.3 | 249.9 | 248.2 | 245.5 | 241.8 | 237.5 | 233.7 | 230.0 |
| 50°    | 238.1 | 241.4 | 243.1 | 244.2 | 243.1 | 241.4 | 238.1 | 234.1 | 229.6 | 224.8 | 220.3 |
| 52.5°  | 230.9 | 234.2 | 236.4 | 237.0 | 236.4 | 234.2 | 230.9 | 225.9 | 220.5 | 215.4 | 211.4 |
| 55°    | 218.4 | 223.2 | 225.8 | 226.7 | 225.8 | 223.2 | 218.4 | 213.0 | 207.8 | 201.4 | 195.7 |
| 57.5°  | 206.7 | 211.1 | 214.1 | 214.8 | 214.1 | 211.1 | 206.7 | 200.3 | 193.6 | 186.8 | 180.7 |
| 60°    | 197.6 | 202.4 | 206.1 | 206.8 | 206.1 | 202.4 | 197.6 | 191.2 | 184.1 | 177.5 | 169.9 |
| 62.5°  | 188.3 | 193.3 | 196.7 | 198.5 | 196.7 | 193.3 | 188.3 | 181.6 | 173.9 | 166.5 | 158.9 |
| 65°    | 172.3 | 177.3 | 180.6 | 181.3 | 180.6 | 177.3 | 172.3 | 165.7 | 157.6 | 149.8 | 143.4 |
| 67.5°  | 154.8 | 159.8 | 161.9 | 163.3 | 161.9 | 159.8 | 154.8 | 148.5 | 140.6 | 132.5 | 125.2 |
| 70°    | 142.5 | 146.5 | 148.9 | 150.0 | 148.9 | 146.5 | 142.5 | 135.8 | 129.2 | 120.9 | 113.1 |
| 72.5°  | 128.5 | 132.7 | 135.4 | 135.7 | 135.4 | 132.7 | 128.5 | 122.8 | 115.8 | 108.1 | 101.2 |
| 75°    | 107.0 | 110.8 | 112.2 | 112.2 | 112.2 | 110.8 | 107.0 | 101.5 | 95.9  | 89.7  | 82.8  |
| 77.5°  | 84.7  | 86.6  | 88.4  | 88.8  | 88.4  | 86.6  | 84.7  | 80.8  | 76.1  | 69.9  | 64.8  |
| 80°    | 70.3  | 71.5  | 72.9  | 72.9  | 72.9  | 71.5  | 70.3  | 66.7  | 62.2  | 57.0  | 53.0  |
| 82.5°  | 55.5  | 56.5  | 57.9  | 57.7  | 57.9  | 56.5  | 55.5  | 52.7  | 49.0  | 45.5  | 41.8  |
| 85°    | 33.6  | 35.7  | 35.5  | 35.0  | 35.5  | 35.7  | 33.6  | 34.1  | 30.5  | 28.2  | 24.9  |
| 87.5°  | 18.4  | 18.7  | 19.3  | 19.7  | 19.3  | 18.7  | 18.4  | 17.8  | 16.0  | 14.9  | 14.0  |
| 90°    | 16.4  | 16.6  | 16.9  | 17.1  | 16.9  | 16.6  | 16.4  | 16.1  | 15.6  | 14.8  | 14.1  |
| 92.5°  | 24.9  | 25.0  | 25.2  | 25.3  | 25.2  | 25.0  | 24.9  | 24.7  | 24.4  | 24.0  | 23.5  |
| 95°    | 45.1  | 45.1  | 45.1  | 45.1  | 45.1  | 45.1  | 45.1  | 45.1  | 44.9  | 44.5  | 44.1  |
| 97.5°  | 70.6  | 70.6  | 70.6  | 70.6  | 70.6  | 70.6  | 70.6  | 70.6  | 70.4  | 69.9  | 69.5  |
| 100°   | 88.4  | 88.4  | 88.4  | 88.4  | 88.4  | 88.4  | 88.4  | 88.4  | 88.3  | 88.0  | 87.8  |
| 102.5° | 108.2 | 108.3 | 108.4 | 108.5 | 108.4 | 108.3 | 108.2 | 108.1 | 107.8 | 107.5 | 107.1 |
| 105°   | 138.0 | 138.4 | 138.8 | 139.2 | 138.8 | 138.4 | 138.0 | 137.6 | 137.3 | 136.9 | 136.5 |
| 107.5° | 169.1 | 169.1 | 169.1 | 169.1 | 169.1 | 169.1 | 169.1 | 169.2 | 169.0 | 168.6 | 168.3 |
| 110°   | 189.4 | 189.7 | 190.1 | 190.5 | 190.1 | 189.7 | 189.4 | 189.0 | 188.9 | 189.2 | 189.4 |



TEST NUMBER: P332500

CATALOG NUMBER: S124DIP-S350D590U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 212.2 | 212.2 | 212.3 | 212.4 | 212.3 | 212.2 | 212.2 | 212.1 | 212.1 | 212.1 | 212.2 |
| 115°   | 246.8 | 246.6 | 246.5 | 246.4 | 246.5 | 246.6 | 246.8 | 246.9 | 247.0 | 247.2 | 247.3 |
| 117.5° | 279.5 | 279.3 | 279.0 | 278.8 | 279.0 | 279.3 | 279.5 | 279.8 | 280.1 | 280.6 | 281.0 |
| 120°   | 302.7 | 302.9 | 303.2 | 303.4 | 303.2 | 302.9 | 302.7 | 302.4 | 302.6 | 303.2 | 303.9 |
| 122.5° | 325.3 | 324.9 | 324.4 | 324.0 | 324.4 | 324.9 | 325.3 | 325.8 | 326.2 | 326.7 | 327.1 |
| 125°   | 360.1 | 359.8 | 359.6 | 359.3 | 359.6 | 359.8 | 360.1 | 360.3 | 360.6 | 360.8 | 361.1 |
| 127.5° | 392.7 | 392.5 | 392.3 | 392.1 | 392.3 | 392.5 | 392.7 | 392.9 | 393.1 | 393.4 | 393.6 |
| 130°   | 415.0 | 414.5 | 414.0 | 413.5 | 414.0 | 414.5 | 415.0 | 415.5 | 415.9 | 416.2 | 416.4 |
| 132.5° | 436.9 | 436.7 | 436.5 | 436.3 | 436.5 | 436.7 | 436.9 | 437.1 | 437.4 | 437.6 | 437.9 |
| 135°   | 468.8 | 468.4 | 468.1 | 467.7 | 468.1 | 468.4 | 468.8 | 469.2 | 469.5 | 469.8 | 470.0 |
| 137.5° | 500.4 | 500.5 | 500.6 | 500.7 | 500.6 | 500.5 | 500.4 | 500.3 | 500.5 | 500.8 | 501.1 |
| 140°   | 521.1 | 521.0 | 520.9 | 520.7 | 520.9 | 521.0 | 521.1 | 521.2 | 521.4 | 521.5 | 521.6 |
| 142.5° | 540.9 | 540.9 | 540.8 | 540.8 | 540.8 | 540.9 | 540.9 | 540.9 | 540.9 | 541.0 | 541.0 |
| 145°   | 569.2 | 568.8 | 568.4 | 568.1 | 568.4 | 568.8 | 569.2 | 569.6 | 569.8 | 570.0 | 570.1 |
| 147.5° | 596.1 | 595.9 | 595.8 | 595.7 | 595.8 | 595.9 | 596.1 | 596.2 | 596.3 | 596.4 | 596.5 |
| 150°   | 612.9 | 612.8 | 612.7 | 612.6 | 612.7 | 612.8 | 612.9 | 613.1 | 613.1 | 613.1 | 613.1 |
| 152.5° | 629.1 | 628.7 | 628.4 | 628.1 | 628.4 | 628.7 | 629.1 | 629.4 | 629.4 | 629.1 | 628.8 |
| 155°   | 651.1 | 650.6 | 650.1 | 649.6 | 650.1 | 650.6 | 651.1 | 651.7 | 651.7 | 651.1 | 650.6 |
| 157.5° | 670.2 | 669.8 | 669.3 | 668.9 | 669.3 | 669.8 | 670.2 | 670.6 | 670.7 | 670.3 | 669.9 |
| 160°   | 681.8 | 681.1 | 680.5 | 679.9 | 680.5 | 681.1 | 681.8 | 682.4 | 682.5 | 682.1 | 681.8 |
| 162.5° | 693.2 | 692.5 | 691.9 | 691.3 | 691.9 | 692.5 | 693.2 | 693.8 | 693.8 | 693.1 | 692.4 |
| 165°   | 707.6 | 707.1 | 706.6 | 706.1 | 706.6 | 707.1 | 707.6 | 708.1 | 708.0 | 707.2 | 706.5 |
| 167.5° | 719.1 | 718.3 | 717.5 | 716.7 | 717.5 | 718.3 | 719.1 | 719.8 | 719.9 | 719.1 | 718.3 |
| 170°   | 725.3 | 724.4 | 723.5 | 722.6 | 723.5 | 724.4 | 725.3 | 726.2 | 726.2 | 725.5 | 724.7 |
| 172.5° | 730.3 | 729.4 | 728.5 | 727.7 | 728.5 | 729.4 | 730.3 | 731.2 | 731.2 | 730.4 | 729.5 |
| 175°   | 735.6 | 734.7 | 733.8 | 732.9 | 733.8 | 734.7 | 735.6 | 736.4 | 736.4 | 735.6 | 734.7 |
| 177.5° | 738.1 | 737.3 | 736.4 | 735.6 | 736.4 | 737.3 | 738.1 | 738.9 | 738.9 | 738.2 | 737.5 |
| 180°   | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 |



TEST NUMBER: P332500

CATALOG NUMBER: S124DIP-S350D590U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 |
| 2.5°   | 546.1 | 546.9 | 549.9 | 552.8 | 556.2 | 558.6 | 560.3 | 562.2 | 566.2 | 569.4 | 572.5 |
| 5°     | 511.7 | 512.9 | 519.0 | 523.3 | 530.6 | 537.0 | 542.0 | 547.4 | 553.8 | 562.6 | 570.6 |
| 7.5°   | 481.3 | 485.7 | 492.5 | 499.4 | 506.8 | 515.2 | 522.5 | 530.7 | 541.7 | 553.8 | 566.2 |
| 10°    | 464.1 | 469.1 | 476.2 | 484.2 | 491.3 | 501.0 | 510.0 | 519.7 | 532.3 | 546.9 | 561.6 |
| 12.5°  | 446.9 | 455.1 | 460.5 | 470.0 | 477.7 | 485.7 | 495.3 | 508.0 | 522.6 | 538.0 | 555.7 |
| 15°    | 425.3 | 429.8 | 440.2 | 445.4 | 456.3 | 468.6 | 478.1 | 490.8 | 505.0 | 525.4 | 545.3 |
| 17.5°  | 400.4 | 406.3 | 414.6 | 424.5 | 437.0 | 446.6 | 458.4 | 471.6 | 489.5 | 509.7 | 534.6 |
| 20°    | 384.1 | 389.1 | 399.3 | 410.1 | 423.4 | 433.6 | 446.1 | 458.9 | 477.4 | 498.9 | 524.9 |
| 22.5°  | 369.5 | 374.3 | 385.1 | 395.2 | 408.1 | 420.5 | 433.6 | 448.5 | 466.2 | 488.9 | 515.5 |
| 25°    | 347.0 | 353.3 | 362.8 | 373.2 | 385.5 | 399.7 | 413.9 | 427.2 | 446.1 | 470.0 | 498.4 |
| 27.5°  | 326.9 | 332.0 | 338.9 | 350.7 | 364.7 | 378.4 | 392.5 | 409.2 | 427.4 | 452.7 | 482.1 |
| 30°    | 314.1 | 318.8 | 325.7 | 336.5 | 349.6 | 364.2 | 378.9 | 395.0 | 413.9 | 439.0 | 469.1 |
| 32.5°  | 303.8 | 307.4 | 313.5 | 323.3 | 335.2 | 350.6 | 365.1 | 381.7 | 401.6 | 426.3 | 455.6 |
| 35°    | 288.7 | 291.8 | 294.2 | 303.4 | 314.1 | 328.3 | 342.9 | 360.7 | 379.9 | 403.3 | 432.6 |
| 37.5°  | 273.9 | 275.0 | 278.4 | 284.5 | 294.8 | 307.9 | 321.5 | 339.0 | 358.6 | 382.4 | 408.9 |
| 40°    | 264.8 | 265.3 | 267.4 | 273.1 | 282.1 | 294.4 | 307.7 | 324.9 | 343.6 | 366.1 | 392.4 |
| 42.5°  | 255.9 | 255.6 | 257.6 | 261.6 | 270.0 | 281.2 | 294.2 | 310.0 | 328.7 | 349.5 | 374.2 |
| 45°    | 241.9 | 241.9 | 241.4 | 244.7 | 251.6 | 262.5 | 273.4 | 288.5 | 304.1 | 324.5 | 345.3 |
| 47.5°  | 227.2 | 225.9 | 226.3 | 228.0 | 233.8 | 242.7 | 253.7 | 266.1 | 279.9 | 297.1 | 315.4 |
| 50°    | 217.7 | 215.8 | 215.1 | 217.0 | 222.2 | 230.0 | 240.5 | 251.3 | 264.4 | 279.5 | 295.1 |
| 52.5°  | 207.3 | 205.4 | 204.1 | 205.5 | 210.3 | 217.5 | 227.0 | 236.6 | 248.3 | 260.6 | 274.1 |
| 55°    | 191.2 | 189.1 | 188.4 | 188.9 | 192.4 | 198.1 | 206.1 | 214.9 | 223.7 | 233.8 | 243.3 |
| 57.5°  | 175.4 | 171.9 | 171.2 | 171.0 | 173.4 | 178.6 | 185.4 | 192.9 | 199.3 | 205.5 | 215.6 |
| 60°    | 165.0 | 160.7 | 159.3 | 159.0 | 160.9 | 165.2 | 171.3 | 178.9 | 183.4 | 187.7 | 196.4 |
| 62.5°  | 153.8 | 149.7 | 146.6 | 146.9 | 148.6 | 152.7 | 158.1 | 163.6 | 166.6 | 171.2 | 177.1 |
| 65°    | 136.6 | 131.4 | 129.0 | 128.3 | 129.2 | 132.5 | 136.8 | 140.3 | 143.7 | 145.6 | 151.2 |
| 67.5°  | 119.3 | 115.0 | 111.5 | 110.6 | 110.2 | 112.5 | 116.0 | 118.1 | 120.5 | 122.1 | 125.5 |
| 70°    | 107.2 | 103.4 | 99.2  | 97.7  | 97.5  | 99.4  | 102.7 | 103.0 | 106.3 | 107.0 | 110.5 |
| 72.5°  | 95.3  | 90.5  | 87.6  | 86.2  | 85.2  | 86.9  | 89.1  | 89.7  | 91.5  | 92.8  | 94.6  |
| 75°    | 76.7  | 73.1  | 70.3  | 68.2  | 67.5  | 68.4  | 68.4  | 69.6  | 70.8  | 71.5  | 73.6  |
| 77.5°  | 60.4  | 56.3  | 52.9  | 51.7  | 50.8  | 50.2  | 50.7  | 51.5  | 50.9  | 52.1  | 52.6  |
| 80°    | 49.0  | 44.7  | 42.1  | 41.7  | 40.2  | 39.1  | 38.8  | 39.5  | 38.6  | 39.1  | 40.5  |
| 82.5°  | 37.8  | 35.1  | 32.3  | 31.8  | 30.0  | 29.4  | 29.2  | 28.7  | 28.7  | 28.6  | 28.9  |
| 85°    | 22.5  | 20.8  | 18.9  | 17.8  | 17.0  | 15.9  | 15.9  | 15.4  | 14.9  | 14.4  | 14.7  |
| 87.5°  | 11.7  | 11.2  | 10.1  | 9.3   | 8.7   | 7.8   | 7.5   | 6.7   | 6.2   | 5.7   | 5.3   |
| 90°    | 13.3  | 12.5  | 11.5  | 10.5  | 9.5   | 8.5   | 7.3   | 5.9   | 4.5   | 3.1   | 1.7   |
| 92.5°  | 23.0  | 22.6  | 21.9  | 21.2  | 20.5  | 19.7  | 18.6  | 17.0  | 15.4  | 13.8  | 12.2  |
| 95°    | 43.7  | 43.3  | 42.5  | 41.6  | 40.7  | 39.8  | 38.8  | 37.6  | 36.5  | 35.4  | 34.2  |
| 97.5°  | 69.0  | 68.6  | 67.5  | 66.5  | 65.4  | 64.4  | 63.4  | 62.5  | 61.6  | 60.7  | 59.8  |
| 100°   | 87.5  | 87.3  | 86.1  | 85.0  | 83.8  | 82.7  | 81.9  | 81.4  | 80.9  | 80.4  | 79.8  |
| 102.5° | 106.8 | 106.4 | 105.4 | 104.3 | 103.3 | 102.3 | 101.6 | 101.4 | 101.2 | 101.0 | 100.8 |
| 105°   | 136.1 | 135.7 | 135.2 | 134.7 | 134.2 | 133.7 | 133.4 | 133.3 | 133.1 | 133.0 | 132.9 |
| 107.5° | 167.9 | 167.6 | 167.5 | 167.4 | 167.3 | 167.3 | 167.2 | 167.0 | 166.8 | 166.7 | 166.5 |
| 110°   | 189.7 | 189.9 | 190.1 | 190.2 | 190.3 | 190.4 | 190.4 | 190.1 | 189.9 | 189.6 | 189.4 |



TEST NUMBER: P332500

CATALOG NUMBER: S124DIP-S350D590U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 212.2 | 212.3 | 212.5 | 212.7 | 213.0 | 213.2 | 213.3 | 213.2 | 213.2 | 213.1 | 213.1 |
| 115°   | 247.4 | 247.5 | 247.8 | 248.0 | 248.3 | 248.5 | 248.7 | 248.7 | 248.7 | 248.7 | 248.7 |
| 117.5° | 281.4 | 281.9 | 282.0 | 282.2 | 282.4 | 282.6 | 282.6 | 282.5 | 282.4 | 282.3 | 282.2 |
| 120°   | 304.5 | 305.1 | 305.5 | 305.9 | 306.3 | 306.7 | 306.6 | 306.1 | 305.6 | 305.1 | 304.6 |
| 122.5° | 327.5 | 328.0 | 328.1 | 328.3 | 328.5 | 328.7 | 328.6 | 328.4 | 328.2 | 328.0 | 327.8 |
| 125°   | 361.3 | 361.6 | 361.7 | 361.9 | 362.0 | 362.1 | 362.2 | 362.2 | 362.2 | 362.2 | 362.2 |
| 127.5° | 393.9 | 394.1 | 394.3 | 394.5 | 394.7 | 394.9 | 394.8 | 394.5 | 394.1 | 393.7 | 393.3 |
| 130°   | 416.7 | 416.9 | 416.9 | 416.9 | 416.9 | 416.9 | 416.7 | 416.4 | 416.0 | 415.6 | 415.2 |
| 132.5° | 438.1 | 438.4 | 438.5 | 438.6 | 438.7 | 438.8 | 438.7 | 438.4 | 438.1 | 437.9 | 437.6 |
| 135°   | 470.3 | 470.5 | 470.5 | 470.5 | 470.5 | 470.5 | 470.2 | 469.4 | 468.6 | 467.9 | 467.1 |
| 137.5° | 501.5 | 501.8 | 501.6 | 501.4 | 501.2 | 501.0 | 500.7 | 500.3 | 500.0 | 499.6 | 499.3 |
| 140°   | 521.7 | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 521.7 | 521.5 | 521.2 | 521.0 | 520.7 |
| 142.5° | 541.0 | 541.0 | 541.1 | 541.2 | 541.3 | 541.4 | 541.4 | 541.1 | 540.9 | 540.6 | 540.3 |
| 145°   | 570.2 | 570.3 | 570.2 | 570.1 | 570.0 | 569.8 | 569.5 | 569.0 | 568.5 | 568.0 | 567.5 |
| 147.5° | 596.6 | 596.7 | 596.8 | 596.9 | 597.0 | 597.1 | 596.9 | 596.2 | 595.6 | 595.0 | 594.4 |
| 150°   | 613.1 | 613.1 | 613.1 | 613.1 | 613.1 | 613.1 | 612.9 | 612.4 | 611.9 | 611.4 | 610.8 |
| 152.5° | 628.5 | 628.2 | 628.1 | 628.0 | 627.9 | 627.8 | 627.6 | 627.3 | 627.0 | 626.7 | 626.4 |
| 155°   | 650.1 | 649.6 | 649.8 | 649.9 | 650.0 | 650.1 | 650.2 | 650.2 | 650.2 | 650.2 | 650.2 |
| 157.5° | 669.5 | 669.1 | 669.2 | 669.2 | 669.2 | 669.2 | 669.4 | 669.6 | 669.8 | 670.0 | 670.3 |
| 160°   | 681.4 | 681.0 | 681.1 | 681.3 | 681.4 | 681.5 | 681.6 | 681.8 | 681.9 | 682.0 | 682.1 |
| 162.5° | 691.7 | 691.0 | 691.2 | 691.3 | 691.4 | 691.5 | 691.8 | 692.1 | 692.4 | 692.8 | 693.1 |
| 165°   | 705.7 | 705.0 | 705.2 | 705.5 | 705.7 | 706.0 | 706.3 | 706.7 | 707.0 | 707.4 | 707.8 |
| 167.5° | 717.6 | 716.8 | 716.8 | 716.8 | 716.7 | 716.7 | 717.0 | 717.5 | 718.0 | 718.6 | 719.1 |
| 170°   | 724.0 | 723.2 | 723.1 | 722.9 | 722.8 | 722.7 | 722.9 | 723.6 | 724.2 | 724.9 | 725.5 |
| 172.5° | 728.6 | 727.8 | 727.7 | 727.7 | 727.7 | 727.7 | 727.9 | 728.5 | 729.0 | 729.5 | 730.0 |
| 175°   | 733.8 | 732.9 | 733.0 | 733.2 | 733.3 | 733.4 | 733.8 | 734.4 | 735.1 | 735.7 | 736.3 |
| 177.5° | 736.8 | 736.1 | 736.1 | 736.1 | 736.1 | 736.1 | 736.3 | 736.9 | 737.4 | 737.9 | 738.4 |
| 180°   | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 |



TEST NUMBER: P332500

CATALOG NUMBER: S124DIP-S350D590U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 |
| 2.5°   | 575.1 | 577.0 | 579.5 | 583.6 | 585.1 | 587.0 | 589.7 | 589.5 | 590.2 | 593.1 | 599.1 |
| 5°     | 577.2 | 584.6 | 591.7 | 600.2 | 609.2 | 615.1 | 623.1 | 628.1 | 633.1 | 639.5 | 650.4 |
| 7.5°   | 578.1 | 589.7 | 602.7 | 617.7 | 631.0 | 646.3 | 658.3 | 669.6 | 679.8 | 693.2 | 706.2 |
| 10°    | 576.8 | 592.4 | 609.2 | 628.1 | 648.2 | 665.3 | 680.7 | 698.2 | 713.1 | 729.4 | 744.1 |
| 12.5°  | 574.3 | 593.1 | 615.6 | 636.8 | 660.3 | 685.5 | 704.7 | 722.4 | 742.2 | 761.0 | 783.7 |
| 15°    | 568.7 | 594.5 | 620.8 | 648.7 | 680.2 | 709.3 | 737.0 | 759.9 | 781.2 | 809.4 | 839.0 |
| 17.5°  | 561.6 | 589.4 | 622.6 | 656.4 | 689.3 | 722.5 | 756.8 | 791.3 | 818.2 | 853.2 | 876.3 |
| 20°    | 555.0 | 587.2 | 621.3 | 661.5 | 694.4 | 735.8 | 769.9 | 803.2 | 840.2 | 875.0 | 902.7 |
| 22.5°  | 545.7 | 580.9 | 617.1 | 657.1 | 700.4 | 741.9 | 781.2 | 817.4 | 854.4 | 892.2 | 925.7 |
| 25°    | 533.9 | 565.9 | 608.7 | 654.1 | 697.2 | 742.2 | 787.4 | 832.8 | 872.6 | 912.6 | 943.8 |
| 27.5°  | 513.9 | 554.2 | 594.1 | 641.0 | 688.8 | 739.7 | 788.1 | 835.6 | 877.3 | 910.2 | 929.5 |
| 30°    | 503.6 | 538.7 | 582.0 | 629.1 | 680.9 | 735.6 | 786.0 | 832.6 | 871.4 | 897.7 | 905.5 |
| 32.5°  | 488.5 | 524.6 | 567.0 | 615.8 | 670.7 | 726.9 | 779.3 | 823.3 | 855.7 | 869.5 | 860.1 |
| 35°    | 466.0 | 498.7 | 541.5 | 591.4 | 648.5 | 708.3 | 760.2 | 797.3 | 813.9 | 800.9 | 768.5 |
| 37.5°  | 439.0 | 471.4 | 514.4 | 563.5 | 622.5 | 683.4 | 730.2 | 757.0 | 751.5 | 719.1 | 670.8 |
| 40°    | 420.1 | 450.4 | 491.3 | 544.3 | 601.8 | 662.9 | 704.1 | 718.5 | 703.4 | 657.0 | 605.6 |
| 42.5°  | 399.1 | 428.6 | 469.7 | 520.9 | 581.8 | 638.1 | 674.0 | 675.2 | 649.8 | 594.3 | 542.8 |
| 45°    | 367.1 | 395.2 | 434.0 | 487.3 | 543.6 | 596.6 | 620.3 | 608.7 | 561.8 | 508.4 | 456.5 |
| 47.5°  | 335.5 | 359.9 | 398.2 | 448.7 | 502.2 | 546.8 | 558.6 | 537.7 | 487.8 | 435.8 | 387.8 |
| 50°    | 312.4 | 337.0 | 373.0 | 421.3 | 472.9 | 511.4 | 517.1 | 489.4 | 440.4 | 388.1 | 350.5 |
| 52.5°  | 290.2 | 314.7 | 349.3 | 394.0 | 441.2 | 476.0 | 476.2 | 444.2 | 395.4 | 348.8 | 313.8 |
| 55°    | 257.7 | 279.7 | 311.0 | 351.0 | 393.1 | 420.3 | 413.7 | 380.6 | 338.2 | 297.7 | 267.2 |
| 57.5°  | 226.4 | 245.6 | 274.3 | 307.7 | 344.8 | 367.3 | 356.3 | 324.4 | 286.6 | 252.2 | 229.1 |
| 60°    | 206.1 | 224.4 | 249.0 | 280.5 | 311.7 | 329.2 | 318.8 | 289.9 | 255.1 | 227.4 | 207.3 |
| 62.5°  | 186.4 | 201.8 | 225.5 | 252.8 | 281.8 | 294.7 | 285.5 | 257.0 | 226.9 | 201.9 | 185.5 |
| 65°    | 158.6 | 171.1 | 190.0 | 213.5 | 234.5 | 245.7 | 237.9 | 211.3 | 188.4 | 170.4 | 157.4 |
| 67.5°  | 132.5 | 142.3 | 156.7 | 175.5 | 193.4 | 199.4 | 192.3 | 173.8 | 154.4 | 140.0 | 130.8 |
| 70°    | 114.5 | 123.8 | 135.8 | 150.3 | 165.9 | 172.3 | 165.2 | 150.5 | 134.7 | 121.4 | 112.4 |
| 72.5°  | 98.8  | 106.0 | 116.2 | 128.5 | 140.7 | 147.1 | 142.3 | 128.2 | 114.8 | 104.9 | 97.3  |
| 75°    | 75.3  | 81.4  | 88.5  | 97.3  | 106.7 | 111.0 | 106.7 | 97.0  | 87.8  | 80.5  | 75.0  |
| 77.5°  | 54.7  | 58.0  | 63.5  | 70.1  | 76.0  | 79.2  | 75.5  | 69.0  | 63.3  | 58.3  | 55.6  |
| 80°    | 41.7  | 44.0  | 47.8  | 53.0  | 57.0  | 60.1  | 57.7  | 52.3  | 47.8  | 44.5  | 43.3  |
| 82.5°  | 30.3  | 31.9  | 34.4  | 38.2  | 40.9  | 42.5  | 41.5  | 37.5  | 35.7  | 32.8  | 31.6  |
| 85°    | 14.9  | 15.9  | 17.5  | 18.7  | 21.1  | 21.3  | 21.5  | 19.9  | 18.2  | 17.5  | 16.6  |
| 87.5°  | 5.7   | 6.2   | 7.0   | 7.9   | 8.9   | 9.3   | 9.3   | 9.5   | 8.9   | 8.9   | 8.3   |
| 90°    | 3.1   | 4.5   | 5.9   | 7.3   | 8.5   | 9.5   | 10.5  | 11.5  | 12.5  | 13.3  | 14.1  |
| 92.5°  | 13.8  | 15.4  | 17.0  | 18.6  | 19.7  | 20.5  | 21.2  | 21.9  | 22.6  | 23.0  | 23.5  |
| 95°    | 35.4  | 36.5  | 37.6  | 38.8  | 39.8  | 40.7  | 41.6  | 42.5  | 43.3  | 43.7  | 44.1  |
| 97.5°  | 60.7  | 61.6  | 62.5  | 63.4  | 64.4  | 65.4  | 66.5  | 67.5  | 68.6  | 69.0  | 69.5  |
| 100°   | 80.4  | 80.9  | 81.4  | 81.9  | 82.7  | 83.8  | 85.0  | 86.1  | 87.3  | 87.5  | 87.8  |
| 102.5° | 101.0 | 101.2 | 101.4 | 101.6 | 102.3 | 103.3 | 104.3 | 105.4 | 106.4 | 106.8 | 107.1 |
| 105°   | 133.0 | 133.1 | 133.3 | 133.4 | 133.7 | 134.2 | 134.7 | 135.2 | 135.7 | 136.1 | 136.5 |
| 107.5° | 166.7 | 166.8 | 167.0 | 167.2 | 167.3 | 167.3 | 167.4 | 167.5 | 167.6 | 167.9 | 168.3 |
| 110°   | 189.6 | 189.9 | 190.1 | 190.4 | 190.4 | 190.3 | 190.2 | 190.1 | 189.9 | 189.7 | 189.4 |





TEST NUMBER: P332500

CATALOG NUMBER: S124DIP-S350D590U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 213.1 | 213.2 | 213.2 | 213.3 | 213.2 | 213.0 | 212.7 | 212.5 | 212.3 | 212.2 | 212.2 |
| 115°   | 248.7 | 248.7 | 248.7 | 248.7 | 248.5 | 248.3 | 248.0 | 247.8 | 247.5 | 247.4 | 247.3 |
| 117.5° | 282.3 | 282.4 | 282.5 | 282.6 | 282.6 | 282.4 | 282.2 | 282.0 | 281.9 | 281.4 | 281.0 |
| 120°   | 305.1 | 305.6 | 306.1 | 306.6 | 306.7 | 306.3 | 305.9 | 305.5 | 305.1 | 304.5 | 303.9 |
| 122.5° | 328.0 | 328.2 | 328.4 | 328.6 | 328.7 | 328.5 | 328.3 | 328.1 | 328.0 | 327.5 | 327.1 |
| 125°   | 362.2 | 362.2 | 362.2 | 362.2 | 362.1 | 362.0 | 361.9 | 361.7 | 361.6 | 361.3 | 361.1 |
| 127.5° | 393.7 | 394.1 | 394.5 | 394.8 | 394.9 | 394.7 | 394.5 | 394.3 | 394.1 | 393.9 | 393.6 |
| 130°   | 415.6 | 416.0 | 416.4 | 416.7 | 416.9 | 416.9 | 416.9 | 416.9 | 416.9 | 416.7 | 416.4 |
| 132.5° | 437.9 | 438.1 | 438.4 | 438.7 | 438.8 | 438.7 | 438.6 | 438.5 | 438.4 | 438.1 | 437.9 |
| 135°   | 467.9 | 468.6 | 469.4 | 470.2 | 470.5 | 470.5 | 470.5 | 470.5 | 470.5 | 470.3 | 470.0 |
| 137.5° | 499.6 | 500.0 | 500.3 | 500.7 | 501.0 | 501.2 | 501.4 | 501.6 | 501.8 | 501.5 | 501.1 |
| 140°   | 521.0 | 521.2 | 521.5 | 521.7 | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 521.7 | 521.6 |
| 142.5° | 540.6 | 540.9 | 541.1 | 541.4 | 541.4 | 541.3 | 541.2 | 541.1 | 541.0 | 541.0 | 541.0 |
| 145°   | 568.0 | 568.5 | 569.0 | 569.5 | 569.8 | 570.0 | 570.1 | 570.2 | 570.3 | 570.2 | 570.1 |
| 147.5° | 595.0 | 595.6 | 596.2 | 596.9 | 597.1 | 597.0 | 596.9 | 596.8 | 596.7 | 596.6 | 596.5 |
| 150°   | 611.4 | 611.9 | 612.4 | 612.9 | 613.1 | 613.1 | 613.1 | 613.1 | 613.1 | 613.1 | 613.1 |
| 152.5° | 626.7 | 627.0 | 627.3 | 627.6 | 627.8 | 627.9 | 628.0 | 628.1 | 628.2 | 628.5 | 628.8 |
| 155°   | 650.2 | 650.2 | 650.2 | 650.2 | 650.1 | 650.0 | 649.9 | 649.8 | 649.6 | 650.1 | 650.6 |
| 157.5° | 670.0 | 669.8 | 669.6 | 669.4 | 669.2 | 669.2 | 669.2 | 669.2 | 669.1 | 669.5 | 669.9 |
| 160°   | 682.0 | 681.9 | 681.8 | 681.6 | 681.5 | 681.4 | 681.3 | 681.1 | 681.0 | 681.4 | 681.8 |
| 162.5° | 692.8 | 692.4 | 692.1 | 691.8 | 691.5 | 691.4 | 691.3 | 691.2 | 691.0 | 691.7 | 692.4 |
| 165°   | 707.4 | 707.0 | 706.7 | 706.3 | 706.0 | 705.7 | 705.5 | 705.2 | 705.0 | 705.7 | 706.5 |
| 167.5° | 718.6 | 718.0 | 717.5 | 717.0 | 716.7 | 716.7 | 716.8 | 716.8 | 716.8 | 717.6 | 718.3 |
| 170°   | 724.9 | 724.2 | 723.6 | 722.9 | 722.7 | 722.8 | 722.9 | 723.1 | 723.2 | 724.0 | 724.7 |
| 172.5° | 729.5 | 729.0 | 728.5 | 727.9 | 727.7 | 727.7 | 727.7 | 727.7 | 727.8 | 728.6 | 729.5 |
| 175°   | 735.7 | 735.1 | 734.4 | 733.8 | 733.4 | 733.3 | 733.2 | 733.0 | 732.9 | 733.8 | 734.7 |
| 177.5° | 737.9 | 737.4 | 736.9 | 736.3 | 736.1 | 736.1 | 736.1 | 736.1 | 736.1 | 736.8 | 737.5 |
| 180°   | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 |



TEST NUMBER: P332500

CATALOG NUMBER: S124DIP-S350D590U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 335°  | 340°  | 345°  | 350°   | 355°   | 360°   |
|--------|-------|-------|-------|-------|--------|--------|--------|
| 0°     | 571.3 | 571.3 | 571.3 | 571.3 | 571.3  | 571.3  | 571.3  |
| 2.5°   | 602.2 | 602.6 | 604.3 | 605.6 | 606.0  | 607.9  | 608.0  |
| 5°     | 655.1 | 659.1 | 666.9 | 667.6 | 668.8  | 675.0  | 670.2  |
| 7.5°   | 717.1 | 727.3 | 734.1 | 740.2 | 742.3  | 745.0  | 744.5  |
| 10°    | 756.9 | 772.0 | 779.6 | 791.7 | 792.1  | 795.2  | 793.3  |
| 12.5°  | 796.8 | 814.4 | 828.2 | 830.5 | 840.6  | 842.2  | 844.8  |
| 15°    | 853.4 | 872.1 | 891.3 | 898.2 | 912.1  | 915.4  | 920.6  |
| 17.5°  | 906.6 | 925.7 | 939.2 | 956.9 | 962.7  | 970.3  | 965.1  |
| 20°    | 935.8 | 956.6 | 973.7 | 987.6 | 993.5  | 997.8  | 997.3  |
| 22.5°  | 953.4 | 974.4 | 988.2 | 998.8 | 1004.3 | 1006.1 | 1006.0 |
| 25°    | 964.4 | 976.5 | 980.8 | 984.8 | 978.6  | 976.5  | 977.4  |
| 27.5°  | 933.7 | 930.6 | 919.5 | 904.9 | 889.8  | 877.8  | 871.2  |
| 30°    | 891.5 | 873.1 | 856.3 | 826.9 | 811.8  | 802.8  | 794.7  |
| 32.5°  | 831.7 | 802.4 | 770.1 | 743.2 | 726.0  | 712.7  | 710.7  |
| 35°    | 729.2 | 685.2 | 645.6 | 612.7 | 595.7  | 581.3  | 577.9  |
| 37.5°  | 619.9 | 574.2 | 538.6 | 509.6 | 491.3  | 481.1  | 471.6  |
| 40°    | 547.4 | 508.1 | 473.1 | 448.5 | 434.5  | 427.2  | 421.3  |
| 42.5°  | 491.6 | 455.7 | 420.8 | 402.1 | 389.5  | 385.0  | 381.5  |
| 45°    | 414.4 | 381.0 | 356.9 | 342.7 | 335.4  | 327.8  | 324.2  |
| 47.5°  | 352.6 | 325.5 | 309.6 | 297.5 | 289.6  | 285.1  | 282.9  |
| 50°    | 317.6 | 295.4 | 281.2 | 271.9 | 264.8  | 261.3  | 259.4  |
| 52.5°  | 286.6 | 268.3 | 256.4 | 249.0 | 244.2  | 241.6  | 240.8  |
| 55°    | 246.8 | 232.9 | 225.3 | 218.9 | 215.4  | 213.0  | 212.1  |
| 57.5°  | 214.6 | 203.8 | 197.7 | 192.4 | 191.0  | 189.1  | 188.4  |
| 60°    | 193.4 | 185.1 | 179.9 | 176.3 | 175.1  | 172.8  | 173.2  |
| 62.5°  | 174.6 | 167.8 | 163.4 | 161.4 | 159.8  | 157.8  | 158.5  |
| 65°    | 147.7 | 142.7 | 140.3 | 138.5 | 136.6  | 135.4  | 136.3  |
| 67.5°  | 123.9 | 120.5 | 117.3 | 116.2 | 115.3  | 115.1  | 114.1  |
| 70°    | 108.4 | 105.6 | 102.7 | 102.0 | 102.0  | 101.1  | 100.8  |
| 72.5°  | 93.4  | 91.4  | 89.5  | 88.9  | 88.2   | 88.6   | 87.6   |
| 75°    | 72.2  | 70.5  | 69.8  | 69.1  | 68.9   | 68.9   | 68.2   |
| 77.5°  | 53.3  | 52.1  | 51.0  | 51.0  | 50.1   | 49.8   | 49.7   |
| 80°    | 40.5  | 40.0  | 39.1  | 39.1  | 38.6   | 38.8   | 38.3   |
| 82.5°  | 30.4  | 29.8  | 29.6  | 29.2  | 28.5   | 28.6   | 28.1   |
| 85°    | 16.3  | 15.6  | 15.4  | 14.7  | 14.2   | 14.7   | 14.2   |
| 87.5°  | 8.6   | 8.6   | 8.5   | 8.2   | 8.1    | 8.1    | 7.6    |
| 90°    | 14.8  | 15.6  | 16.1  | 16.4  | 16.6   | 16.9   | 17.1   |
| 92.5°  | 24.0  | 24.4  | 24.7  | 24.9  | 25.0   | 25.2   | 25.3   |
| 95°    | 44.5  | 44.9  | 45.1  | 45.1  | 45.1   | 45.1   | 45.1   |
| 97.5°  | 69.9  | 70.4  | 70.6  | 70.6  | 70.6   | 70.6   | 70.6   |
| 100°   | 88.0  | 88.3  | 88.4  | 88.4  | 88.4   | 88.4   | 88.4   |
| 102.5° | 107.5 | 107.8 | 108.1 | 108.2 | 108.3  | 108.4  | 108.5  |
| 105°   | 136.9 | 137.3 | 137.6 | 138.0 | 138.4  | 138.8  | 139.2  |
| 107.5° | 168.6 | 169.0 | 169.2 | 169.1 | 169.1  | 169.1  | 169.1  |
| 110°   | 189.2 | 188.9 | 189.0 | 189.4 | 189.7  | 190.1  | 190.5  |



TEST NUMBER: P332500

CATALOG NUMBER: S124DIP-S350D590U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 335°  | 340°  | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 212.1 | 212.1 | 212.1 | 212.2 | 212.2 | 212.3 | 212.4 |
| 115°   | 247.2 | 247.0 | 246.9 | 246.8 | 246.6 | 246.5 | 246.4 |
| 117.5° | 280.6 | 280.1 | 279.8 | 279.5 | 279.3 | 279.0 | 278.8 |
| 120°   | 303.2 | 302.6 | 302.4 | 302.7 | 302.9 | 303.2 | 303.4 |
| 122.5° | 326.7 | 326.2 | 325.8 | 325.3 | 324.9 | 324.4 | 324.0 |
| 125°   | 360.8 | 360.6 | 360.3 | 360.1 | 359.8 | 359.6 | 359.3 |
| 127.5° | 393.4 | 393.1 | 392.9 | 392.7 | 392.5 | 392.3 | 392.1 |
| 130°   | 416.2 | 415.9 | 415.5 | 415.0 | 414.5 | 414.0 | 413.5 |
| 132.5° | 437.6 | 437.4 | 437.1 | 436.9 | 436.7 | 436.5 | 436.3 |
| 135°   | 469.8 | 469.5 | 469.2 | 468.8 | 468.4 | 468.1 | 467.7 |
| 137.5° | 500.8 | 500.5 | 500.3 | 500.4 | 500.5 | 500.6 | 500.7 |
| 140°   | 521.5 | 521.4 | 521.2 | 521.1 | 521.0 | 520.9 | 520.7 |
| 142.5° | 541.0 | 540.9 | 540.9 | 540.9 | 540.9 | 540.8 | 540.8 |
| 145°   | 570.0 | 569.8 | 569.6 | 569.2 | 568.8 | 568.4 | 568.1 |
| 147.5° | 596.4 | 596.3 | 596.2 | 596.1 | 595.9 | 595.8 | 595.7 |
| 150°   | 613.1 | 613.1 | 613.1 | 612.9 | 612.8 | 612.7 | 612.6 |
| 152.5° | 629.1 | 629.4 | 629.4 | 629.1 | 628.7 | 628.4 | 628.1 |
| 155°   | 651.1 | 651.7 | 651.7 | 651.1 | 650.6 | 650.1 | 649.6 |
| 157.5° | 670.3 | 670.7 | 670.6 | 670.2 | 669.8 | 669.3 | 668.9 |
| 160°   | 682.1 | 682.5 | 682.4 | 681.8 | 681.1 | 680.5 | 679.9 |
| 162.5° | 693.1 | 693.8 | 693.8 | 693.2 | 692.5 | 691.9 | 691.3 |
| 165°   | 707.2 | 708.0 | 708.1 | 707.6 | 707.1 | 706.6 | 706.1 |
| 167.5° | 719.1 | 719.9 | 719.8 | 719.1 | 718.3 | 717.5 | 716.7 |
| 170°   | 725.5 | 726.2 | 726.2 | 725.3 | 724.4 | 723.5 | 722.6 |
| 172.5° | 730.4 | 731.2 | 731.2 | 730.3 | 729.4 | 728.5 | 727.7 |
| 175°   | 735.6 | 736.4 | 736.4 | 735.6 | 734.7 | 733.8 | 732.9 |
| 177.5° | 738.2 | 738.9 | 738.9 | 738.1 | 737.3 | 736.4 | 735.6 |
| 180°   | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 | 737.5 |

(END OF REPORT)