

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: P333504

Luminaire Tested: **S125RDIP-S375D810U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333504  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIP-S375D810U835-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4368.8 lumens  
Efficiency: N/A  
Efficacy: 140.0 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Indirect

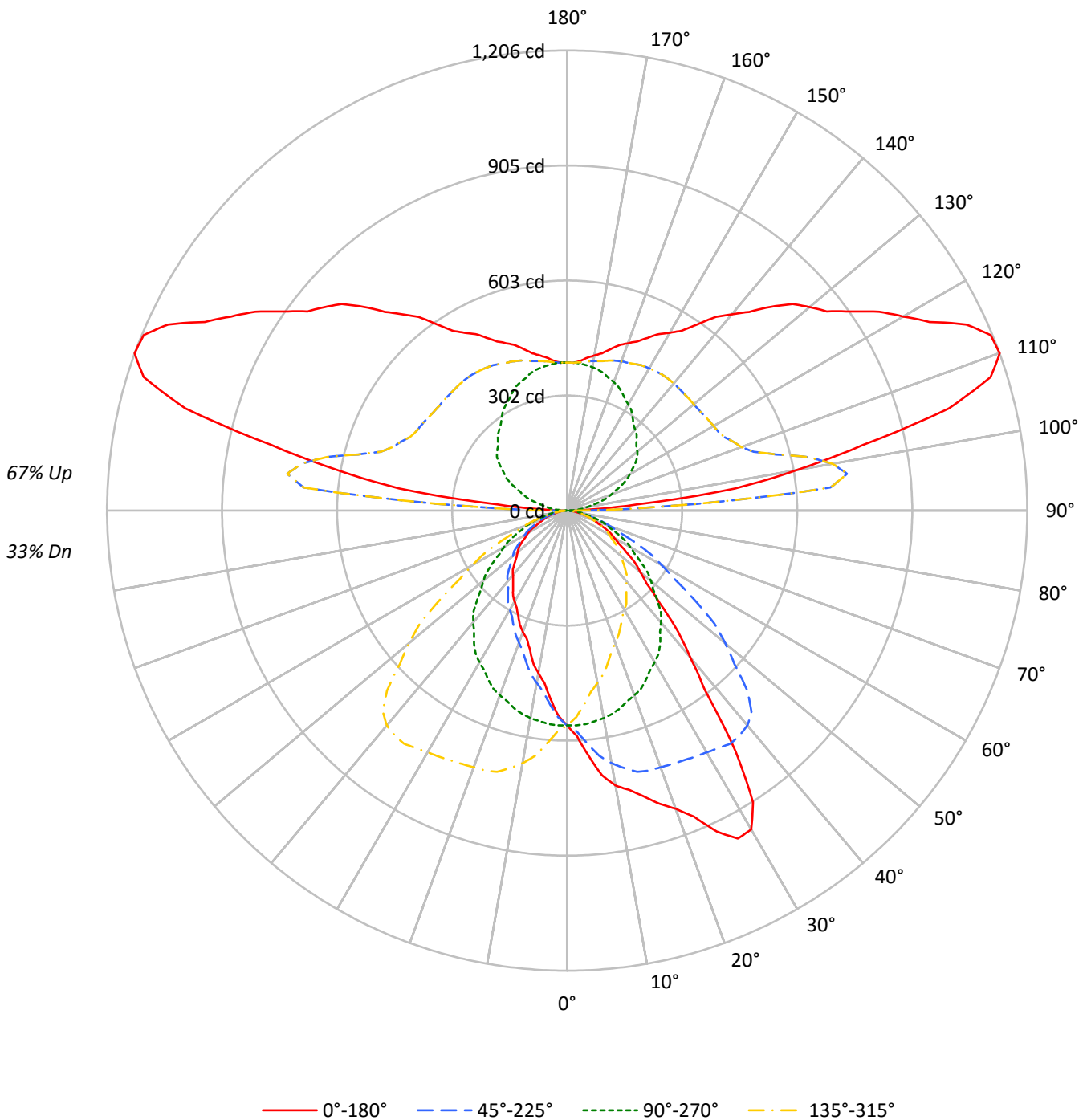
Input Watts (W): 31.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333504

CATALOG NUMBER: S125RDIP-S375D810U835-4F0-1E-UDD-A4

### Luminous Intensity Polar Plot





TEST NUMBER: P333504

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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 | 0  |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 74 | 74 | 74 | 57 | 57 | 57 | 41 | 41 | 41 | 33 |
| 1   | 94  | 90  | 87  | 83  | 85 | 82 | 78 | 76 | 65 | 63 | 61 | 50 | 49 | 48 | 37 | 36 | 35 | 29 |
| 2   | 86  | 79  | 73  | 68  | 77 | 72 | 67 | 62 | 57 | 54 | 51 | 44 | 42 | 40 | 32 | 31 | 30 | 24 |
| 3   | 79  | 70  | 63  | 57  | 71 | 63 | 57 | 52 | 51 | 47 | 43 | 40 | 37 | 34 | 29 | 27 | 26 | 21 |
| 4   | 72  | 62  | 54  | 48  | 65 | 56 | 50 | 45 | 45 | 41 | 37 | 35 | 32 | 29 | 26 | 24 | 22 | 18 |
| 5   | 66  | 55  | 47  | 41  | 59 | 50 | 43 | 38 | 40 | 36 | 32 | 32 | 28 | 26 | 23 | 21 | 20 | 16 |
| 6   | 61  | 49  | 41  | 36  | 55 | 45 | 38 | 33 | 36 | 31 | 28 | 29 | 25 | 22 | 21 | 19 | 17 | 14 |
| 7   | 56  | 44  | 37  | 31  | 51 | 40 | 34 | 29 | 33 | 28 | 24 | 26 | 22 | 20 | 19 | 17 | 15 | 13 |
| 8   | 52  | 40  | 33  | 28  | 47 | 37 | 30 | 26 | 30 | 25 | 22 | 24 | 20 | 18 | 18 | 15 | 14 | 11 |
| 9   | 48  | 37  | 29  | 25  | 44 | 33 | 27 | 23 | 27 | 23 | 19 | 22 | 18 | 16 | 16 | 14 | 12 | 10 |
| 10  | 45  | 33  | 26  | 22  | 41 | 31 | 24 | 20 | 25 | 21 | 17 | 20 | 17 | 14 | 15 | 13 | 11 | 9  |

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

|     | 0°   | 90°  | 180° | 270° |
|-----|------|------|------|------|
| 0°  | 3635 | 3635 | 3635 | 3635 |
| 5°  | 4182 | 3640 | 3215 | 3640 |
| 10° | 4798 | 3621 | 2837 | 3621 |
| 15° | 5182 | 3584 | 2521 | 3584 |
| 20° | 5714 | 3542 | 2328 | 3542 |
| 25° | 6613 | 3484 | 2161 | 3484 |
| 30° | 7196 | 3424 | 2051 | 3424 |
| 35° | 6070 | 3354 | 1949 | 3354 |
| 40° | 4239 | 3228 | 1862 | 3228 |
| 45° | 3145 | 3058 | 1777 | 3058 |
| 50° | 2508 | 2882 | 1704 | 2882 |
| 55° | 2128 | 2662 | 1639 | 2662 |
| 60° | 1838 | 2466 | 1535 | 2466 |
| 65° | 1638 | 2253 | 1320 | 2253 |
| 70° | 1441 | 2064 | 1205 | 2064 |
| 75° | 1245 | 1787 | 1130 | 1787 |
| 80° | 945  | 1503 | 945  | 1503 |
| 85° | 785  | 1178 | 889  | 1178 |



TEST NUMBER: P333504

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 54.0   | 1.2       |
| 10°-20°   | 158.2  | 3.6       |
| 20°-30°   | 250.8  | 5.7       |
| 30°-40°   | 302.5  | 6.9       |
| 40°-50°   | 270.1  | 6.2       |
| 50°-60°   | 207.1  | 4.7       |
| 60°-70°   | 134.6  | 3.1       |
| 70°-80°   | 65.4   | 1.5       |
| 80°-90°   | 17.8   | 0.4       |
| 90°-100°  | 281.1  | 6.4       |
| 100°-110° | 604.3  | 13.8      |
| 110°-120° | 567.1  | 13.0      |
| 120°-130° | 459.6  | 10.5      |
| 130°-140° | 368.8  | 8.4       |
| 140°-150° | 278.3  | 6.4       |
| 150°-160° | 195.9  | 4.5       |
| 160°-170° | 115.5  | 2.6       |
| 170°-180° | 37.6   | 0.9       |
| 0°-30°    | 463.0  | 10.6      |
| 0°-40°    | 765.4  | 17.5      |
| 0°-60°    | 1242.7 | 28.4      |
| 0°-90°    | 1460.5 | 33.4      |
| 90°-120°  | 1452.5 | 33.2      |
| 90°-150°  | 2559.3 | 58.6      |
| 90°-180°  | 2908.0 | 66.6      |
| 0°-180°   | 4368.8 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90° | 180° | 270° | 360° | Flux |
|------|------|-----|------|------|------|------|
| 0°   | 563  | 563 | 563  | 563  | 563  |      |
| 5°   | 645  | 562 | 496  | 562  | 645  | 64   |
| 15°  | 775  | 536 | 377  | 536  | 775  | 222  |
| 25°  | 928  | 489 | 303  | 489  | 928  | 426  |
| 35°  | 770  | 425 | 247  | 425  | 770  | 465  |
| 45°  | 344  | 335 | 195  | 335  | 344  | 275  |
| 55°  | 189  | 236 | 146  | 236  | 189  | 172  |
| 65°  | 107  | 147 | 86   | 147  | 107  | 107  |
| 75°  | 50   | 72  | 45   | 72   | 50   | 53   |
| 85°  | 11   | 16  | 12   | 16   | 11   | 13   |
| 90°  | 18   | 1   | 18   | 1    | 18   | 13   |
| 95°  | 184  | 26  | 184  | 26   | 184  | 260  |
| 105° | 1036 | 88  | 1036 | 88   | 1036 | 1030 |
| 115° | 1154 | 158 | 1154 | 158  | 1154 | 1128 |
| 125° | 909  | 219 | 909  | 219  | 909  | 823  |
| 135° | 755  | 256 | 755  | 256  | 755  | 585  |
| 145° | 596  | 299 | 596  | 299  | 596  | 379  |
| 155° | 500  | 341 | 500  | 341  | 500  | 233  |
| 165° | 438  | 372 | 438  | 372  | 438  | 125  |
| 175° | 393  | 387 | 393  | 387  | 393  | 38   |
| 180° | 388  | 388 | 388  | 388  | 388  |      |



TEST NUMBER: P333504

CATALOG NUMBER: S125RDIP-S375D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°   | 45°   | 50°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0°     | 562.9  | 562.9  | 562.9  | 562.9  | 562.9  | 562.9  | 562.9  | 562.9  | 562.9 | 562.9 | 562.9 |
| 2.5°   | 592.1  | 591.7  | 592.5  | 590.4  | 590.6  | 587.5  | 587.5  | 585.1  | 581.9 | 579.5 | 578.4 |
| 5°     | 645.1  | 645.6  | 644.7  | 641.2  | 638.9  | 635.4  | 631.5  | 624.6  | 618.8 | 613.2 | 608.9 |
| 7.5°   | 699.8  | 700.1  | 697.0  | 696.0  | 690.1  | 685.9  | 677.2  | 667.7  | 659.4 | 648.7 | 640.6 |
| 10°    | 731.6  | 731.3  | 728.1  | 725.5  | 720.5  | 714.0  | 705.4  | 694.4  | 684.0 | 672.4 | 661.3 |
| 12.5°  | 750.0  | 749.4  | 748.4  | 745.3  | 740.6  | 734.9  | 727.6  | 716.7  | 703.9 | 691.3 | 678.3 |
| 15°    | 775.0  | 773.4  | 770.4  | 766.4  | 759.7  | 753.0  | 745.0  | 735.3  | 723.0 | 708.7 | 696.7 |
| 17.5°  | 805.9  | 805.9  | 801.3  | 795.8  | 786.7  | 774.9  | 762.4  | 746.8  | 730.1 | 714.4 | 701.6 |
| 20°    | 831.4  | 830.7  | 826.1  | 815.4  | 805.0  | 790.2  | 775.9  | 756.7  | 736.4 | 715.8 | 699.9 |
| 22.5°  | 868.0  | 866.2  | 861.4  | 847.4  | 831.3  | 812.2  | 790.3  | 766.9  | 742.3 | 719.0 | 698.0 |
| 25°    | 928.0  | 926.6  | 917.1  | 900.9  | 878.3  | 848.9  | 820.3  | 788.2  | 752.8 | 722.1 | 696.7 |
| 27.5°  | 969.0  | 967.5  | 960.4  | 947.0  | 926.1  | 895.2  | 856.5  | 813.5  | 769.4 | 727.1 | 690.5 |
| 30°    | 964.9  | 968.4  | 967.5  | 961.2  | 945.5  | 917.8  | 882.0  | 833.7  | 781.2 | 731.6 | 687.9 |
| 32.5°  | 906.9  | 910.0  | 918.1  | 930.4  | 931.3  | 920.2  | 893.4  | 848.8  | 794.5 | 738.0 | 685.8 |
| 35°    | 769.9  | 774.1  | 789.8  | 814.5  | 846.9  | 873.9  | 879.4  | 855.4  | 806.6 | 745.9 | 682.8 |
| 37.5°  | 591.9  | 614.6  | 627.9  | 653.9  | 702.8  | 752.5  | 800.3  | 817.9  | 797.2 | 742.6 | 677.9 |
| 40°    | 502.8  | 508.3  | 531.9  | 561.3  | 602.4  | 654.1  | 722.3  | 771.5  | 773.1 | 735.3 | 670.1 |
| 42.5°  | 430.3  | 437.4  | 453.5  | 477.0  | 512.2  | 563.9  | 634.3  | 699.3  | 729.3 | 714.9 | 659.9 |
| 45°    | 344.3  | 349.6  | 361.4  | 379.4  | 406.4  | 449.2  | 509.7  | 584.8  | 644.4 | 667.8 | 632.7 |
| 47.5°  | 282.8  | 285.7  | 295.9  | 309.7  | 329.7  | 360.8  | 407.7  | 472.9  | 544.4 | 594.5 | 589.6 |
| 50°    | 249.6  | 252.8  | 260.6  | 271.0  | 287.9  | 314.2  | 351.7  | 406.0  | 479.7 | 540.9 | 553.2 |
| 52.5°  | 223.7  | 226.4  | 231.3  | 241.1  | 255.0  | 275.2  | 305.5  | 354.6  | 420.9 | 486.0 | 514.4 |
| 55°    | 189.0  | 190.9  | 194.8  | 200.3  | 211.4  | 226.0  | 252.1  | 286.1  | 339.7 | 405.3 | 446.9 |
| 57.5°  | 160.5  | 161.4  | 163.9  | 169.0  | 176.7  | 187.3  | 206.2  | 234.9  | 273.4 | 332.5 | 378.4 |
| 60°    | 142.3  | 143.3  | 146.5  | 150.0  | 156.0  | 165.7  | 180.5  | 200.6  | 237.5 | 286.3 | 332.7 |
| 62.5°  | 127.9  | 128.5  | 129.9  | 133.3  | 138.6  | 146.1  | 157.7  | 174.1  | 203.5 | 246.4 | 290.2 |
| 65°    | 107.2  | 107.4  | 107.9  | 110.7  | 113.9  | 119.5  | 127.1  | 138.6  | 160.8 | 193.2 | 232.0 |
| 67.5°  | 87.3   | 87.7   | 89.3   | 90.3   | 93.6   | 96.5   | 101.0  | 109.8  | 125.5 | 147.3 | 177.5 |
| 70°    | 76.3   | 76.0   | 77.6   | 78.8   | 79.9   | 83.4   | 86.4   | 93.6   | 103.3 | 119.9 | 145.1 |
| 72.5°  | 65.9   | 65.3   | 66.0   | 66.4   | 67.9   | 70.3   | 73.3   | 77.7   | 85.2  | 96.6  | 115.9 |
| 75°    | 49.9   | 50.1   | 50.1   | 50.6   | 51.8   | 52.7   | 53.6   | 55.9   | 60.1  | 67.7  | 78.1  |
| 77.5°  | 35.0   | 34.7   | 35.6   | 35.8   | 36.5   | 37.5   | 38.3   | 39.2   | 40.9  | 44.0  | 49.4  |
| 80°    | 25.4   | 25.4   | 25.6   | 26.3   | 26.1   | 26.6   | 27.7   | 28.7   | 30.7  | 32.6  | 34.4  |
| 82.5°  | 19.5   | 19.3   | 19.5   | 19.7   | 19.6   | 20.1   | 20.5   | 20.7   | 21.5  | 22.4  | 23.7  |
| 85°    | 10.6   | 10.6   | 10.9   | 10.9   | 11.1   | 11.1   | 11.3   | 11.3   | 11.3  | 11.6  | 11.8  |
| 87.5°  | 7.7    | 7.5    | 7.1    | 7.1    | 7.3    | 7.4    | 7.0    | 6.7    | 6.5   | 6.4   | 6.3   |
| 90°    | 18.0   | 18.0   | 17.2   | 17.2   | 17.2   | 15.6   | 14.9   | 14.1   | 13.3  | 12.5  | 10.9  |
| 92.5°  | 49.9   | 51.1   | 52.2   | 54.1   | 64.1   | 75.7   | 100.6  | 138.6  | 204.1 | 252.1 | 256.1 |
| 95°    | 183.7  | 196.3  | 202.5  | 226.0  | 281.5  | 347.2  | 443.3  | 562.2  | 677.9 | 692.8 | 565.3 |
| 97.5°  | 444.1  | 454.1  | 476.8  | 520.6  | 568.9  | 660.2  | 753.9  | 837.3  | 857.7 | 739.8 | 504.8 |
| 100°   | 609.9  | 622.4  | 651.3  | 707.6  | 761.6  | 842.9  | 923.4  | 961.7  | 901.5 | 706.1 | 450.4 |
| 102.5° | 795.0  | 804.4  | 835.8  | 875.9  | 933.6  | 988.6  | 1027.3 | 1003.6 | 875.3 | 646.6 | 409.1 |
| 105°   | 1036.0 | 1045.4 | 1061.0 | 1086.8 | 1111.9 | 1120.5 | 1086.1 | 978.9  | 791.3 | 566.9 | 369.1 |
| 107.5° | 1163.9 | 1170.2 | 1175.3 | 1175.5 | 1162.8 | 1122.0 | 1033.7 | 890.7  | 705.6 | 512.0 | 352.2 |
| 110°   | 1206.5 | 1206.5 | 1201.0 | 1186.1 | 1150.9 | 1084.5 | 974.2  | 825.7  | 656.8 | 486.3 | 347.2 |



TEST NUMBER: P333504

CATALOG NUMBER: S125RDIP-S375D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 112.5° | 1201.5 | 1195.8 | 1182.2 | 1156.7 | 1105.3 | 1026.9 | 915.4 | 774.4 | 620.5 | 471.3 | 347.2 |
| 115°   | 1154.1 | 1143.9 | 1122.0 | 1084.5 | 1023.5 | 938.3  | 831.2 | 710.0 | 580.9 | 455.1 | 349.5 |
| 117.5° | 1071.0 | 1064.8 | 1043.0 | 1004.3 | 943.3  | 865.1  | 772.8 | 668.4 | 557.3 | 447.1 | 354.7 |
| 120°   | 1017.2 | 1011.0 | 989.9  | 952.3  | 894.5  | 825.7  | 739.7 | 645.8 | 544.2 | 443.3 | 359.7 |
| 122.5° | 969.7  | 964.1  | 943.0  | 908.6  | 857.0  | 792.5  | 715.9 | 629.0 | 532.9 | 440.2 | 364.0 |
| 125°   | 909.3  | 901.5  | 884.3  | 852.3  | 808.5  | 752.2  | 684.2 | 604.4 | 517.6 | 436.3 | 371.4 |
| 127.5° | 857.7  | 854.3  | 838.0  | 809.7  | 770.0  | 717.3  | 653.8 | 579.4 | 503.5 | 434.4 | 379.7 |
| 130°   | 829.6  | 824.9  | 809.3  | 783.5  | 744.4  | 693.5  | 632.6 | 563.7 | 494.2 | 433.2 | 384.7 |
| 132.5° | 801.4  | 796.1  | 781.7  | 755.9  | 716.8  | 667.9  | 612.5 | 548.1 | 486.7 | 433.2 | 390.3 |
| 135°   | 755.3  | 750.6  | 736.5  | 710.7  | 676.3  | 631.8  | 581.7 | 527.8 | 477.7 | 433.2 | 398.0 |
| 137.5° | 706.1  | 700.9  | 687.9  | 664.5  | 633.6  | 595.8  | 554.2 | 510.6 | 469.8 | 434.1 | 405.0 |
| 140°   | 671.6  | 667.7  | 656.0  | 635.7  | 606.7  | 573.9  | 537.9 | 501.2 | 466.0 | 434.7 | 408.1 |
| 142.5° | 639.7  | 636.5  | 625.4  | 608.2  | 583.6  | 555.1  | 524.2 | 493.1 | 462.9 | 435.4 | 410.0 |
| 145°   | 595.8  | 592.7  | 584.1  | 570.8  | 552.0  | 530.9  | 506.7 | 482.4 | 458.2 | 434.7 | 412.1 |
| 147.5° | 558.6  | 557.2  | 552.2  | 541.5  | 526.7  | 510.7  | 492.1 | 472.4 | 453.3 | 432.7 | 412.8 |
| 150°   | 537.9  | 537.2  | 534.0  | 524.7  | 512.9  | 498.8  | 484.0 | 466.8 | 449.6 | 430.8 | 412.8 |
| 152.5° | 521.7  | 520.9  | 517.8  | 510.3  | 500.4  | 489.5  | 475.9 | 460.5 | 445.2 | 428.3 | 412.2 |
| 155°   | 499.6  | 498.8  | 496.5  | 491.0  | 483.2  | 474.6  | 463.7 | 451.2 | 437.9 | 423.8 | 410.5 |
| 157.5° | 479.9  | 480.1  | 477.9  | 473.4  | 467.3  | 460.5  | 452.1 | 441.8 | 431.0 | 419.1 | 408.5 |
| 160°   | 466.8  | 467.6  | 466.0  | 462.1  | 456.6  | 451.2  | 443.3 | 435.5 | 425.4 | 416.0 | 406.6 |
| 162.5° | 454.9  | 455.1  | 454.7  | 451.5  | 447.2  | 442.4  | 435.8 | 428.6 | 420.3 | 412.2 | 404.7 |
| 165°   | 437.9  | 437.9  | 437.9  | 436.3  | 433.2  | 429.3  | 424.6 | 419.1 | 412.8 | 406.6 | 401.9 |
| 167.5° | 422.2  | 422.4  | 423.0  | 421.6  | 420.0  | 417.2  | 413.6 | 410.0 | 405.5 | 401.1 | 397.5 |
| 170°   | 412.8  | 413.6  | 413.6  | 412.8  | 411.3  | 409.7  | 407.4 | 405.0 | 401.1 | 398.0 | 395.6 |
| 172.5° | 404.1  | 404.9  | 406.1  | 404.7  | 404.4  | 403.5  | 401.7 | 399.4 | 396.7 | 394.2 | 393.1 |
| 175°   | 393.3  | 394.1  | 395.6  | 394.9  | 394.9  | 394.9  | 393.3 | 393.3 | 390.9 | 390.2 | 390.2 |
| 177.5° | 387.8  | 387.8  | 389.7  | 389.1  | 389.7  | 389.7  | 389.7 | 389.1 | 388.4 | 387.8 | 387.8 |
| 180°   | 387.8  | 387.8  | 387.8  | 387.8  | 387.8  | 387.8  | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 |



TEST NUMBER: P333504

CATALOG NUMBER: S125RDIP-S375D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 562.9 | 562.9 | 562.9 | 562.9 | 562.9 | 562.9 | 562.9 | 562.9 | 562.9 | 562.9 | 562.9 |
| 2.5°   | 578.4 | 577.1 | 574.7 | 572.5 | 569.7 | 567.3 | 565.6 | 563.6 | 561.0 | 557.9 | 555.3 |
| 5°     | 604.0 | 598.9 | 592.2 | 586.4 | 579.0 | 573.3 | 567.3 | 561.5 | 555.7 | 548.3 | 541.8 |
| 7.5°   | 632.4 | 621.9 | 611.7 | 598.8 | 587.2 | 576.8 | 566.8 | 556.7 | 546.8 | 536.3 | 526.2 |
| 10°    | 649.8 | 637.0 | 623.0 | 606.8 | 592.0 | 577.9 | 565.0 | 552.2 | 538.8 | 527.1 | 514.4 |
| 12.5°  | 666.0 | 649.6 | 633.5 | 613.1 | 595.3 | 578.1 | 561.6 | 545.8 | 531.5 | 516.2 | 502.5 |
| 15°    | 680.7 | 664.5 | 646.5 | 621.6 | 596.8 | 576.0 | 556.6 | 536.1 | 518.3 | 501.2 | 485.9 |
| 17.5°  | 686.4 | 669.4 | 648.5 | 624.5 | 597.5 | 571.3 | 546.3 | 523.8 | 502.8 | 482.9 | 465.8 |
| 20°    | 684.2 | 667.8 | 646.3 | 623.4 | 594.5 | 567.3 | 540.2 | 515.3 | 491.9 | 470.9 | 452.7 |
| 22.5°  | 678.8 | 661.9 | 641.1 | 616.9 | 589.5 | 560.6 | 531.7 | 505.1 | 480.7 | 458.9 | 439.0 |
| 25°    | 670.8 | 647.7 | 626.4 | 602.8 | 576.7 | 548.1 | 518.3 | 488.9 | 462.8 | 440.6 | 418.9 |
| 27.5°  | 662.4 | 633.6 | 606.5 | 583.1 | 555.5 | 530.0 | 501.2 | 471.1 | 443.7 | 421.1 | 398.8 |
| 30°    | 654.8 | 622.5 | 592.7 | 566.1 | 540.0 | 515.7 | 488.5 | 459.1 | 430.9 | 407.6 | 385.0 |
| 32.5°  | 645.4 | 611.0 | 578.3 | 547.6 | 522.4 | 498.4 | 473.7 | 445.6 | 418.2 | 394.1 | 371.1 |
| 35°    | 633.6 | 589.7 | 554.1 | 521.5 | 493.6 | 470.2 | 448.0 | 425.4 | 397.9 | 372.9 | 350.5 |
| 37.5°  | 618.1 | 568.2 | 527.1 | 491.6 | 462.1 | 438.7 | 421.1 | 400.4 | 375.3 | 351.5 | 330.7 |
| 40°    | 608.6 | 552.7 | 507.7 | 472.5 | 441.6 | 416.8 | 400.4 | 382.9 | 360.0 | 337.6 | 316.8 |
| 42.5°  | 596.1 | 538.5 | 488.1 | 451.5 | 420.3 | 396.5 | 379.9 | 364.6 | 345.4 | 324.3 | 302.0 |
| 45°    | 571.4 | 510.9 | 458.0 | 418.7 | 387.3 | 363.9 | 348.4 | 334.8 | 320.3 | 300.8 | 281.4 |
| 47.5°  | 539.4 | 482.1 | 426.7 | 383.8 | 353.1 | 331.4 | 316.4 | 305.6 | 295.2 | 278.7 | 259.9 |
| 50°    | 513.7 | 458.4 | 404.4 | 362.8 | 330.0 | 309.4 | 295.3 | 286.8 | 277.3 | 262.3 | 246.5 |
| 52.5°  | 483.3 | 434.0 | 381.1 | 338.6 | 307.6 | 288.3 | 274.8 | 266.2 | 258.4 | 246.2 | 231.2 |
| 55°    | 435.6 | 392.3 | 343.8 | 305.2 | 276.8 | 257.4 | 244.5 | 236.4 | 231.8 | 221.4 | 209.6 |
| 57.5°  | 380.4 | 349.5 | 306.7 | 269.5 | 244.3 | 225.2 | 215.7 | 208.8 | 203.6 | 196.2 | 187.9 |
| 60°    | 342.0 | 320.3 | 281.9 | 246.5 | 223.4 | 205.2 | 196.6 | 190.9 | 186.0 | 179.8 | 173.3 |
| 62.5°  | 303.0 | 287.2 | 253.8 | 223.4 | 202.2 | 186.9 | 178.9 | 173.7 | 168.1 | 163.9 | 157.6 |
| 65°    | 250.7 | 236.6 | 213.5 | 189.7 | 170.1 | 157.8 | 152.0 | 147.4 | 144.0 | 139.3 | 134.9 |
| 67.5°  | 195.0 | 189.3 | 173.3 | 156.9 | 142.8 | 131.9 | 126.9 | 123.7 | 119.6 | 116.8 | 113.8 |
| 70°    | 160.8 | 158.0 | 146.7 | 135.9 | 122.7 | 115.3 | 110.7 | 109.3 | 104.2 | 101.4 | 99.4  |
| 72.5°  | 130.5 | 129.2 | 122.7 | 115.2 | 105.9 | 99.4  | 95.2  | 93.6  | 90.3  | 88.1  | 86.8  |
| 75°    | 89.4  | 89.9  | 88.7  | 83.9  | 80.4  | 76.3  | 72.6  | 71.6  | 69.3  | 67.5  | 66.3  |
| 77.5°  | 56.6  | 58.9  | 59.0  | 58.8  | 57.4  | 54.9  | 53.3  | 52.6  | 50.4  | 49.7  | 49.4  |
| 80°    | 38.8  | 41.4  | 43.7  | 43.4  | 43.0  | 42.3  | 41.1  | 40.4  | 39.3  | 38.6  | 38.1  |
| 82.5°  | 25.9  | 28.2  | 30.2  | 31.4  | 31.3  | 30.6  | 29.9  | 29.5  | 29.3  | 28.8  | 28.7  |
| 85°    | 12.2  | 12.7  | 13.4  | 15.0  | 16.2  | 16.4  | 16.2  | 15.9  | 15.3  | 15.5  | 15.7  |
| 87.5°  | 6.3   | 6.0   | 6.0   | 5.7   | 5.2   | 5.8   | 6.0   | 6.1   | 5.9   | 5.8   | 5.7   |
| 90°    | 10.2  | 8.6   | 7.8   | 6.3   | 4.7   | 3.1   | 1.6   | 0.8   | 1.6   | 3.1   | 4.7   |
| 92.5°  | 178.4 | 106.8 | 64.1  | 41.3  | 27.8  | 18.1  | 11.6  | 9.5   | 11.6  | 18.1  | 27.8  |
| 95°    | 349.5 | 177.5 | 93.8  | 58.6  | 41.4  | 32.8  | 26.6  | 25.8  | 26.6  | 32.8  | 41.4  |
| 97.5°  | 279.0 | 152.9 | 97.6  | 72.2  | 56.8  | 48.2  | 43.8  | 42.8  | 43.8  | 48.2  | 56.8  |
| 100°   | 253.3 | 151.7 | 106.3 | 82.9  | 68.0  | 59.4  | 56.3  | 54.7  | 56.3  | 59.4  | 68.0  |
| 102.5° | 242.7 | 157.3 | 117.0 | 94.1  | 80.5  | 71.3  | 68.8  | 67.9  | 68.8  | 71.3  | 80.5  |
| 105°   | 238.5 | 168.9 | 134.5 | 112.6 | 100.1 | 92.3  | 88.4  | 88.4  | 88.4  | 92.3  | 100.1 |
| 107.5° | 245.7 | 186.1 | 152.8 | 133.1 | 120.1 | 113.7 | 109.9 | 108.4 | 109.9 | 113.7 | 120.1 |
| 110°   | 252.6 | 198.6 | 166.5 | 146.2 | 134.5 | 127.4 | 124.3 | 122.8 | 124.3 | 127.4 | 134.5 |





TEST NUMBER: P333504

CATALOG NUMBER: S125RDIP-S375D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 261.3 | 210.5 | 179.7 | 160.0 | 148.2 | 141.2 | 138.7 | 137.1 | 138.7 | 141.2 | 148.2 |
| 115°   | 274.4 | 229.1 | 200.2 | 180.6 | 168.9 | 161.9 | 159.5 | 157.9 | 159.5 | 161.9 | 168.9 |
| 117.5° | 289.5 | 248.2 | 220.8 | 201.9 | 188.6 | 181.6 | 179.1 | 176.7 | 179.1 | 181.6 | 188.6 |
| 120°   | 299.5 | 261.9 | 234.6 | 215.0 | 201.7 | 194.7 | 191.6 | 189.2 | 191.6 | 194.7 | 201.7 |
| 122.5° | 310.7 | 275.1 | 247.7 | 228.2 | 213.6 | 206.6 | 204.1 | 202.4 | 204.1 | 206.6 | 213.6 |
| 125°   | 326.0 | 292.4 | 266.6 | 246.3 | 231.4 | 224.4 | 220.5 | 218.9 | 220.5 | 224.4 | 231.4 |
| 127.5° | 340.1 | 309.2 | 284.3 | 264.0 | 248.2 | 239.3 | 234.3 | 231.9 | 234.3 | 239.3 | 248.2 |
| 130°   | 349.5 | 319.8 | 295.6 | 275.2 | 258.8 | 248.6 | 242.4 | 240.0 | 242.4 | 248.6 | 258.8 |
| 132.5° | 357.6 | 329.8 | 305.6 | 285.2 | 268.2 | 256.8 | 249.3 | 246.3 | 249.3 | 256.8 | 268.2 |
| 135°   | 369.1 | 343.3 | 319.0 | 297.9 | 281.5 | 269.0 | 259.6 | 256.5 | 259.6 | 269.0 | 281.5 |
| 137.5° | 377.5 | 352.8 | 330.7 | 309.0 | 292.9 | 280.4 | 271.6 | 269.3 | 271.6 | 280.4 | 292.9 |
| 140°   | 383.1 | 359.7 | 337.0 | 315.9 | 301.0 | 288.5 | 279.1 | 276.8 | 279.1 | 288.5 | 301.0 |
| 142.5° | 386.3 | 364.0 | 342.6 | 322.8 | 308.5 | 296.0 | 287.3 | 285.5 | 287.3 | 296.0 | 308.5 |
| 145°   | 390.9 | 371.4 | 351.1 | 333.1 | 319.0 | 308.1 | 300.2 | 298.7 | 300.2 | 308.1 | 319.0 |
| 147.5° | 393.8 | 376.1 | 358.3 | 342.5 | 330.3 | 320.1 | 313.4 | 312.4 | 313.4 | 320.1 | 330.3 |
| 150°   | 395.6 | 379.2 | 362.0 | 348.7 | 337.8 | 327.6 | 322.1 | 320.6 | 322.1 | 327.6 | 337.8 |
| 152.5° | 396.9 | 382.3 | 366.4 | 354.4 | 344.0 | 335.1 | 330.3 | 329.3 | 330.3 | 335.1 | 344.0 |
| 155°   | 398.0 | 385.5 | 372.2 | 361.2 | 353.4 | 345.6 | 340.9 | 340.9 | 340.9 | 345.6 | 353.4 |
| 157.5° | 398.8 | 388.1 | 376.7 | 368.4 | 361.5 | 354.8 | 351.1 | 351.2 | 351.1 | 354.8 | 361.5 |
| 160°   | 398.8 | 389.4 | 379.2 | 372.2 | 365.9 | 360.5 | 357.3 | 358.1 | 357.3 | 360.5 | 365.9 |
| 162.5° | 398.1 | 390.6 | 381.7 | 375.9 | 370.9 | 366.1 | 363.0 | 363.7 | 363.0 | 366.1 | 370.9 |
| 165°   | 397.2 | 390.9 | 384.7 | 380.0 | 376.9 | 373.0 | 370.6 | 372.2 | 370.6 | 373.0 | 376.9 |
| 167.5° | 395.3 | 390.9 | 385.8 | 382.8 | 380.6 | 378.4 | 377.0 | 377.8 | 377.0 | 378.4 | 380.6 |
| 170°   | 394.1 | 390.9 | 387.0 | 384.7 | 383.1 | 381.6 | 380.8 | 381.6 | 380.8 | 381.6 | 383.1 |
| 172.5° | 392.8 | 390.3 | 387.0 | 385.9 | 385.0 | 383.4 | 382.7 | 384.1 | 382.7 | 383.4 | 385.0 |
| 175°   | 390.9 | 389.4 | 387.0 | 387.0 | 387.0 | 386.3 | 385.5 | 387.0 | 385.5 | 386.3 | 387.0 |
| 177.5° | 389.1 | 388.4 | 387.2 | 387.2 | 387.8 | 387.2 | 387.2 | 388.4 | 387.2 | 387.2 | 387.8 |
| 180°   | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 |



TEST NUMBER: P333504

CATALOG NUMBER: S125RDIP-S375D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°   | 150°   | 155°   | 160°   |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0°     | 562.9 | 562.9 | 562.9 | 562.9 | 562.9 | 562.9 | 562.9 | 562.9  | 562.9  | 562.9  | 562.9  |
| 2.5°   | 553.4 | 550.9 | 549.0 | 545.3 | 542.7 | 541.6 | 539.6 | 539.0  | 541.1  | 539.6  | 539.4  |
| 5°     | 537.0 | 530.3 | 525.0 | 519.7 | 513.9 | 510.2 | 504.6 | 503.7  | 502.3  | 500.3  | 499.8  |
| 7.5°   | 517.3 | 508.5 | 501.7 | 492.9 | 485.3 | 479.1 | 472.2 | 468.9  | 467.1  | 464.4  | 460.8  |
| 10°    | 504.0 | 493.6 | 484.3 | 475.5 | 466.1 | 458.4 | 451.5 | 446.2  | 442.7  | 439.5  | 438.1  |
| 12.5°  | 490.8 | 480.2 | 468.4 | 457.8 | 447.2 | 438.7 | 431.0 | 427.5  | 423.7  | 419.9  | 416.7  |
| 15°    | 470.4 | 456.4 | 443.4 | 431.2 | 422.2 | 412.9 | 405.5 | 400.4  | 394.7  | 393.0  | 386.8  |
| 17.5°  | 448.8 | 435.0 | 419.8 | 407.0 | 396.5 | 386.3 | 378.2 | 372.4  | 368.1  | 362.1  | 359.3  |
| 20°    | 435.3 | 418.9 | 404.1 | 392.3 | 380.8 | 368.8 | 360.5 | 355.6  | 351.5  | 346.6  | 344.3  |
| 22.5°  | 420.9 | 404.9 | 389.7 | 375.9 | 364.2 | 352.3 | 346.4 | 341.4  | 336.7  | 332.2  | 329.1  |
| 25°    | 399.7 | 383.6 | 367.6 | 353.3 | 341.1 | 332.5 | 325.6 | 319.8  | 317.3  | 312.9  | 309.6  |
| 27.5°  | 378.8 | 361.6 | 345.1 | 330.8 | 321.2 | 312.7 | 307.0 | 302.5  | 297.9  | 294.1  | 291.2  |
| 30°    | 365.3 | 347.8 | 329.7 | 318.4 | 308.2 | 300.2 | 293.9 | 289.5  | 286.1  | 282.6  | 280.5  |
| 32.5°  | 351.8 | 333.7 | 317.7 | 305.5 | 295.9 | 288.9 | 282.5 | 278.2  | 274.6  | 270.8  | 268.3  |
| 35°    | 330.2 | 311.7 | 298.8 | 286.8 | 277.3 | 270.8 | 266.4 | 260.4  | 257.4  | 254.6  | 252.1  |
| 37.5°  | 310.1 | 292.9 | 278.9 | 268.4 | 260.1 | 253.7 | 248.0 | 244.8  | 241.1  | 238.6  | 236.5  |
| 40°    | 295.3 | 279.6 | 266.9 | 255.8 | 249.8 | 242.6 | 237.3 | 233.1  | 230.4  | 227.1  | 224.8  |
| 42.5°  | 282.0 | 267.4 | 255.0 | 245.1 | 237.6 | 231.5 | 226.4 | 222.2  | 218.7  | 216.4  | 214.5  |
| 45°    | 263.2 | 248.6 | 236.6 | 227.4 | 220.4 | 214.7 | 209.3 | 207.3  | 202.6  | 199.9  | 198.9  |
| 47.5°  | 243.7 | 230.7 | 219.1 | 210.6 | 203.5 | 198.0 | 193.0 | 188.8  | 186.2  | 183.5  | 182.0  |
| 50°    | 230.6 | 218.1 | 207.3 | 198.9 | 192.0 | 186.0 | 181.4 | 178.6  | 175.1  | 172.6  | 170.8  |
| 52.5°  | 217.5 | 205.9 | 195.1 | 187.1 | 181.1 | 175.1 | 169.9 | 167.2  | 163.9  | 162.3  | 161.0  |
| 55°    | 198.7 | 186.5 | 177.2 | 169.4 | 163.1 | 157.6 | 152.7 | 150.0  | 147.9  | 146.3  | 145.8  |
| 57.5°  | 177.5 | 167.8 | 159.2 | 152.1 | 145.6 | 140.4 | 136.1 | 133.5  | 131.7  | 131.4  | 130.0  |
| 60°    | 163.6 | 154.8 | 147.0 | 139.3 | 133.8 | 128.9 | 125.2 | 122.2  | 120.4  | 120.2  | 119.7  |
| 62.5°  | 149.7 | 141.3 | 134.0 | 127.3 | 122.3 | 117.7 | 114.1 | 110.8  | 109.7  | 108.5  | 107.5  |
| 65°    | 129.2 | 121.5 | 115.5 | 110.2 | 104.9 | 101.0 | 97.5  | 95.4   | 92.9   | 91.5   | 89.0   |
| 67.5°  | 109.0 | 103.1 | 97.3  | 92.8  | 88.6  | 84.9  | 82.0  | 78.9   | 77.2   | 76.1   | 74.3   |
| 70°    | 95.7  | 91.0  | 85.3  | 80.4  | 77.2  | 74.2  | 71.9  | 68.4   | 67.2   | 66.3   | 65.4   |
| 72.5°  | 83.1  | 79.0  | 74.2  | 70.2  | 67.0  | 64.2  | 61.5  | 59.9   | 58.7   | 57.8   | 57.3   |
| 75°    | 65.4  | 61.5  | 57.3  | 54.5  | 52.2  | 49.9  | 48.5  | 47.4   | 46.9   | 46.7   | 45.8   |
| 77.5°  | 48.0  | 45.9  | 42.6  | 40.4  | 38.9  | 37.9  | 36.7  | 36.1   | 36.0   | 35.0   | 34.7   |
| 80°    | 36.7  | 35.6  | 32.8  | 31.9  | 30.7  | 29.8  | 29.1  | 28.0   | 26.8   | 26.3   | 25.6   |
| 82.5°  | 27.3  | 26.2  | 25.0  | 23.6  | 22.6  | 22.0  | 21.4  | 20.9   | 21.1   | 20.4   | 20.1   |
| 85°    | 14.6  | 13.4  | 12.9  | 12.7  | 12.2  | 12.7  | 12.5  | 12.2   | 12.0   | 11.8   | 12.0   |
| 87.5°  | 5.9   | 6.2   | 6.2   | 6.8   | 6.4   | 6.9   | 7.1   | 7.1    | 7.2    | 7.4    | 7.5    |
| 90°    | 6.3   | 7.8   | 8.6   | 10.2  | 10.9  | 12.5  | 13.3  | 14.1   | 14.9   | 15.6   | 17.2   |
| 92.5°  | 41.3  | 64.1  | 106.8 | 178.4 | 256.1 | 252.1 | 204.1 | 138.6  | 100.6  | 75.7   | 64.1   |
| 95°    | 58.6  | 93.8  | 177.5 | 349.5 | 565.3 | 692.8 | 677.9 | 562.2  | 443.3  | 347.2  | 281.5  |
| 97.5°  | 72.2  | 97.6  | 152.9 | 279.0 | 504.8 | 739.8 | 857.7 | 837.3  | 753.9  | 660.2  | 568.9  |
| 100°   | 82.9  | 106.3 | 151.7 | 253.3 | 450.4 | 706.1 | 901.5 | 961.7  | 923.4  | 842.9  | 761.6  |
| 102.5° | 94.1  | 117.0 | 157.3 | 242.7 | 409.1 | 646.6 | 875.3 | 1003.6 | 1027.3 | 988.6  | 933.6  |
| 105°   | 112.6 | 134.5 | 168.9 | 238.5 | 369.1 | 566.9 | 791.3 | 978.9  | 1086.1 | 1120.5 | 1111.9 |
| 107.5° | 133.1 | 152.8 | 186.1 | 245.7 | 352.2 | 512.0 | 705.6 | 890.7  | 1033.7 | 1122.0 | 1162.8 |
| 110°   | 146.2 | 166.5 | 198.6 | 252.6 | 347.2 | 486.3 | 656.8 | 825.7  | 974.2  | 1084.5 | 1150.9 |



TEST NUMBER: P333504

CATALOG NUMBER: S125RDIP-S375D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°   | 160°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 112.5° | 160.0 | 179.7 | 210.5 | 261.3 | 347.2 | 471.3 | 620.5 | 774.4 | 915.4 | 1026.9 | 1105.3 |
| 115°   | 180.6 | 200.2 | 229.1 | 274.4 | 349.5 | 455.1 | 580.9 | 710.0 | 831.2 | 938.3  | 1023.5 |
| 117.5° | 201.9 | 220.8 | 248.2 | 289.5 | 354.7 | 447.1 | 557.3 | 668.4 | 772.8 | 865.1  | 943.3  |
| 120°   | 215.0 | 234.6 | 261.9 | 299.5 | 359.7 | 443.3 | 544.2 | 645.8 | 739.7 | 825.7  | 894.5  |
| 122.5° | 228.2 | 247.7 | 275.1 | 310.7 | 364.0 | 440.2 | 532.9 | 629.0 | 715.9 | 792.5  | 857.0  |
| 125°   | 246.3 | 266.6 | 292.4 | 326.0 | 371.4 | 436.3 | 517.6 | 604.4 | 684.2 | 752.2  | 808.5  |
| 127.5° | 264.0 | 284.3 | 309.2 | 340.1 | 379.7 | 434.4 | 503.5 | 579.4 | 653.8 | 717.3  | 770.0  |
| 130°   | 275.2 | 295.6 | 319.8 | 349.5 | 384.7 | 433.2 | 494.2 | 563.7 | 632.6 | 693.5  | 744.4  |
| 132.5° | 285.2 | 305.6 | 329.8 | 357.6 | 390.3 | 433.2 | 486.7 | 548.1 | 612.5 | 667.9  | 716.8  |
| 135°   | 297.9 | 319.0 | 343.3 | 369.1 | 398.0 | 433.2 | 477.7 | 527.8 | 581.7 | 631.8  | 676.3  |
| 137.5° | 309.0 | 330.7 | 352.8 | 377.5 | 405.0 | 434.1 | 469.8 | 510.6 | 554.2 | 595.8  | 633.6  |
| 140°   | 315.9 | 337.0 | 359.7 | 383.1 | 408.1 | 434.7 | 466.0 | 501.2 | 537.9 | 573.9  | 606.7  |
| 142.5° | 322.8 | 342.6 | 364.0 | 386.3 | 410.0 | 435.4 | 462.9 | 493.1 | 524.2 | 555.1  | 583.6  |
| 145°   | 333.1 | 351.1 | 371.4 | 390.9 | 412.1 | 434.7 | 458.2 | 482.4 | 506.7 | 530.9  | 552.0  |
| 147.5° | 342.5 | 358.3 | 376.1 | 393.8 | 412.8 | 432.7 | 453.3 | 472.4 | 492.1 | 510.7  | 526.7  |
| 150°   | 348.7 | 362.0 | 379.2 | 395.6 | 412.8 | 430.8 | 449.6 | 466.8 | 484.0 | 498.8  | 512.9  |
| 152.5° | 354.4 | 366.4 | 382.3 | 396.9 | 412.2 | 428.3 | 445.2 | 460.5 | 475.9 | 489.5  | 500.4  |
| 155°   | 361.2 | 372.2 | 385.5 | 398.0 | 410.5 | 423.8 | 437.9 | 451.2 | 463.7 | 474.6  | 483.2  |
| 157.5° | 368.4 | 376.7 | 388.1 | 398.8 | 408.5 | 419.1 | 431.0 | 441.8 | 452.1 | 460.5  | 467.3  |
| 160°   | 372.2 | 379.2 | 389.4 | 398.8 | 406.6 | 416.0 | 425.4 | 435.5 | 443.3 | 451.2  | 456.6  |
| 162.5° | 375.9 | 381.7 | 390.6 | 398.1 | 404.7 | 412.2 | 420.3 | 428.6 | 435.8 | 442.4  | 447.2  |
| 165°   | 380.0 | 384.7 | 390.9 | 397.2 | 401.9 | 406.6 | 412.8 | 419.1 | 424.6 | 429.3  | 433.2  |
| 167.5° | 382.8 | 385.8 | 390.9 | 395.3 | 397.5 | 401.1 | 405.5 | 410.0 | 413.6 | 417.2  | 420.0  |
| 170°   | 384.7 | 387.0 | 390.9 | 394.1 | 395.6 | 398.0 | 401.1 | 405.0 | 407.4 | 409.7  | 411.3  |
| 172.5° | 385.9 | 387.0 | 390.3 | 392.8 | 393.1 | 394.2 | 396.7 | 399.4 | 401.7 | 403.5  | 404.4  |
| 175°   | 387.0 | 387.0 | 389.4 | 390.9 | 390.2 | 390.2 | 390.9 | 393.3 | 393.3 | 394.9  | 394.9  |
| 177.5° | 387.2 | 387.2 | 388.4 | 389.1 | 387.8 | 387.8 | 388.4 | 389.1 | 389.7 | 389.7  | 389.7  |
| 180°   | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8  | 387.8  |



TEST NUMBER: P333504

CATALOG NUMBER: S125RDIP-S375D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 562.9  | 562.9  | 562.9  | 562.9  | 562.9  | 562.9  | 562.9  | 562.9  | 562.9  | 562.9  | 562.9  |
| 2.5°   | 539.2  | 537.2  | 536.6  | 537.4  | 536.6  | 537.2  | 539.2  | 539.4  | 539.6  | 541.1  | 539.0  |
| 5°     | 497.5  | 495.2  | 496.3  | 495.9  | 496.3  | 495.2  | 497.5  | 499.8  | 500.3  | 502.3  | 503.7  |
| 7.5°   | 460.8  | 457.9  | 454.9  | 455.8  | 454.9  | 457.9  | 460.8  | 460.8  | 464.4  | 467.1  | 468.9  |
| 10°    | 435.1  | 432.8  | 431.4  | 432.6  | 431.4  | 432.8  | 435.1  | 438.1  | 439.5  | 442.7  | 446.2  |
| 12.5°  | 413.5  | 412.1  | 410.9  | 410.4  | 410.9  | 412.1  | 413.5  | 416.7  | 419.9  | 423.7  | 427.5  |
| 15°    | 384.0  | 381.3  | 380.1  | 377.1  | 380.1  | 381.3  | 384.0  | 386.8  | 393.0  | 394.7  | 400.4  |
| 17.5°  | 356.9  | 356.0  | 353.0  | 351.7  | 353.0  | 356.0  | 356.9  | 359.3  | 362.1  | 368.1  | 372.4  |
| 20°    | 340.8  | 339.9  | 336.9  | 338.7  | 336.9  | 339.9  | 340.8  | 344.3  | 346.6  | 351.5  | 355.6  |
| 22.5°  | 327.5  | 325.5  | 324.5  | 324.0  | 324.5  | 325.5  | 327.5  | 329.1  | 332.2  | 336.7  | 341.4  |
| 25°    | 308.7  | 305.7  | 304.5  | 303.2  | 304.5  | 305.7  | 308.7  | 309.6  | 312.9  | 317.3  | 319.8  |
| 27.5°  | 289.9  | 288.3  | 286.8  | 286.4  | 286.8  | 288.3  | 289.9  | 291.2  | 294.1  | 297.9  | 302.5  |
| 30°    | 277.7  | 276.1  | 275.0  | 275.0  | 275.0  | 276.1  | 277.7  | 280.5  | 282.6  | 286.1  | 289.5  |
| 32.5°  | 266.8  | 265.6  | 264.4  | 264.2  | 264.4  | 265.6  | 266.8  | 268.3  | 270.8  | 274.6  | 278.2  |
| 35°    | 250.9  | 249.1  | 248.6  | 247.2  | 248.6  | 249.1  | 250.9  | 252.1  | 254.6  | 257.4  | 260.4  |
| 37.5°  | 234.4  | 232.9  | 232.9  | 232.7  | 232.9  | 232.9  | 234.4  | 236.5  | 238.6  | 241.1  | 244.8  |
| 40°    | 223.9  | 222.7  | 222.5  | 220.9  | 222.5  | 222.7  | 223.9  | 224.8  | 227.1  | 230.4  | 233.1  |
| 42.5°  | 212.6  | 212.0  | 211.2  | 210.5  | 211.2  | 212.0  | 212.6  | 214.5  | 216.4  | 218.7  | 222.2  |
| 45°    | 197.3  | 195.7  | 195.7  | 194.6  | 195.7  | 195.7  | 197.3  | 198.9  | 199.9  | 202.6  | 207.3  |
| 47.5°  | 181.5  | 180.3  | 180.4  | 179.2  | 180.4  | 180.3  | 181.5  | 182.0  | 183.5  | 186.2  | 188.8  |
| 50°    | 171.0  | 170.3  | 170.1  | 169.6  | 170.1  | 170.3  | 171.0  | 170.8  | 172.6  | 175.1  | 178.6  |
| 52.5°  | 160.5  | 160.1  | 161.0  | 160.0  | 161.0  | 160.1  | 160.5  | 161.0  | 162.3  | 163.9  | 167.2  |
| 55°    | 146.3  | 145.6  | 147.0  | 145.6  | 147.0  | 145.6  | 146.3  | 145.8  | 146.3  | 147.9  | 150.0  |
| 57.5°  | 130.0  | 129.3  | 130.6  | 129.9  | 130.6  | 129.3  | 130.0  | 130.0  | 131.4  | 131.7  | 133.5  |
| 60°    | 119.2  | 117.8  | 118.5  | 118.8  | 118.5  | 117.8  | 119.2  | 119.7  | 120.2  | 120.4  | 122.2  |
| 62.5°  | 106.5  | 105.6  | 106.2  | 105.1  | 106.2  | 105.6  | 106.5  | 107.5  | 108.5  | 109.7  | 110.8  |
| 65°    | 88.5   | 87.8   | 86.9   | 86.4   | 86.9   | 87.8   | 88.5   | 89.0   | 91.5   | 92.9   | 95.4   |
| 67.5°  | 74.4   | 72.7   | 72.6   | 73.0   | 72.6   | 72.7   | 74.4   | 74.3   | 76.1   | 77.2   | 78.9   |
| 70°    | 64.0   | 64.0   | 63.8   | 63.8   | 63.8   | 64.0   | 64.0   | 65.4   | 66.3   | 67.2   | 68.4   |
| 72.5°  | 56.8   | 56.6   | 56.2   | 56.0   | 56.2   | 56.6   | 56.8   | 57.3   | 57.8   | 58.7   | 59.9   |
| 75°    | 45.8   | 46.0   | 45.5   | 45.3   | 45.5   | 46.0   | 45.8   | 45.8   | 46.7   | 46.9   | 47.4   |
| 77.5°  | 33.8   | 32.8   | 33.3   | 32.8   | 33.3   | 32.8   | 33.8   | 34.7   | 35.0   | 36.0   | 36.1   |
| 80°    | 25.6   | 25.4   | 26.1   | 25.4   | 26.1   | 25.4   | 25.6   | 25.6   | 26.3   | 26.8   | 28.0   |
| 82.5°  | 20.3   | 20.1   | 20.4   | 19.9   | 20.4   | 20.1   | 20.3   | 20.1   | 20.4   | 21.1   | 20.9   |
| 85°    | 12.2   | 12.0   | 11.8   | 12.0   | 11.8   | 12.0   | 12.2   | 12.0   | 11.8   | 12.0   | 12.2   |
| 87.5°  | 7.7    | 7.5    | 7.7    | 7.7    | 7.7    | 7.5    | 7.7    | 7.5    | 7.4    | 7.2    | 7.1    |
| 90°    | 17.2   | 17.2   | 18.0   | 18.0   | 18.0   | 17.2   | 17.2   | 17.2   | 15.6   | 14.9   | 14.1   |
| 92.5°  | 54.1   | 52.2   | 51.1   | 49.9   | 51.1   | 52.2   | 54.1   | 64.1   | 75.7   | 100.6  | 138.6  |
| 95°    | 226.0  | 202.5  | 196.3  | 183.7  | 196.3  | 202.5  | 226.0  | 281.5  | 347.2  | 443.3  | 562.2  |
| 97.5°  | 520.6  | 476.8  | 454.1  | 444.1  | 454.1  | 476.8  | 520.6  | 568.9  | 660.2  | 753.9  | 837.3  |
| 100°   | 707.6  | 651.3  | 622.4  | 609.9  | 622.4  | 651.3  | 707.6  | 761.6  | 842.9  | 923.4  | 961.7  |
| 102.5° | 875.9  | 835.8  | 804.4  | 795.0  | 804.4  | 835.8  | 875.9  | 933.6  | 988.6  | 1027.3 | 1003.6 |
| 105°   | 1086.8 | 1061.0 | 1045.4 | 1036.0 | 1045.4 | 1061.0 | 1086.8 | 1111.9 | 1120.5 | 1086.1 | 978.9  |
| 107.5° | 1175.5 | 1175.3 | 1170.2 | 1163.9 | 1170.2 | 1175.3 | 1175.5 | 1162.8 | 1122.0 | 1033.7 | 890.7  |
| 110°   | 1186.1 | 1201.0 | 1206.5 | 1206.5 | 1206.5 | 1201.0 | 1186.1 | 1150.9 | 1084.5 | 974.2  | 825.7  |



TEST NUMBER: P333504

CATALOG NUMBER: S125RDIP-S375D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°  | 215°  |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 112.5° | 1156.7 | 1182.2 | 1195.8 | 1201.5 | 1195.8 | 1182.2 | 1156.7 | 1105.3 | 1026.9 | 915.4 | 774.4 |
| 115°   | 1084.5 | 1122.0 | 1143.9 | 1154.1 | 1143.9 | 1122.0 | 1084.5 | 1023.5 | 938.3  | 831.2 | 710.0 |
| 117.5° | 1004.3 | 1043.0 | 1064.8 | 1071.0 | 1064.8 | 1043.0 | 1004.3 | 943.3  | 865.1  | 772.8 | 668.4 |
| 120°   | 952.3  | 989.9  | 1011.0 | 1017.2 | 1011.0 | 989.9  | 952.3  | 894.5  | 825.7  | 739.7 | 645.8 |
| 122.5° | 908.6  | 943.0  | 964.1  | 969.7  | 964.1  | 943.0  | 908.6  | 857.0  | 792.5  | 715.9 | 629.0 |
| 125°   | 852.3  | 884.3  | 901.5  | 909.3  | 901.5  | 884.3  | 852.3  | 808.5  | 752.2  | 684.2 | 604.4 |
| 127.5° | 809.7  | 838.0  | 854.3  | 857.7  | 854.3  | 838.0  | 809.7  | 770.0  | 717.3  | 653.8 | 579.4 |
| 130°   | 783.5  | 809.3  | 824.9  | 829.6  | 824.9  | 809.3  | 783.5  | 744.4  | 693.5  | 632.6 | 563.7 |
| 132.5° | 755.9  | 781.7  | 796.1  | 801.4  | 796.1  | 781.7  | 755.9  | 716.8  | 667.9  | 612.5 | 548.1 |
| 135°   | 710.7  | 736.5  | 750.6  | 755.3  | 750.6  | 736.5  | 710.7  | 676.3  | 631.8  | 581.7 | 527.8 |
| 137.5° | 664.5  | 687.9  | 700.9  | 706.1  | 700.9  | 687.9  | 664.5  | 633.6  | 595.8  | 554.2 | 510.6 |
| 140°   | 635.7  | 656.0  | 667.7  | 671.6  | 667.7  | 656.0  | 635.7  | 606.7  | 573.9  | 537.9 | 501.2 |
| 142.5° | 608.2  | 625.4  | 636.5  | 639.7  | 636.5  | 625.4  | 608.2  | 583.6  | 555.1  | 524.2 | 493.1 |
| 145°   | 570.8  | 584.1  | 592.7  | 595.8  | 592.7  | 584.1  | 570.8  | 552.0  | 530.9  | 506.7 | 482.4 |
| 147.5° | 541.5  | 552.2  | 557.2  | 558.6  | 557.2  | 552.2  | 541.5  | 526.7  | 510.7  | 492.1 | 472.4 |
| 150°   | 524.7  | 534.0  | 537.2  | 537.9  | 537.2  | 534.0  | 524.7  | 512.9  | 498.8  | 484.0 | 466.8 |
| 152.5° | 510.3  | 517.8  | 520.9  | 521.7  | 520.9  | 517.8  | 510.3  | 500.4  | 489.5  | 475.9 | 460.5 |
| 155°   | 491.0  | 496.5  | 498.8  | 499.6  | 498.8  | 496.5  | 491.0  | 483.2  | 474.6  | 463.7 | 451.2 |
| 157.5° | 473.4  | 477.9  | 480.1  | 479.9  | 480.1  | 477.9  | 473.4  | 467.3  | 460.5  | 452.1 | 441.8 |
| 160°   | 462.1  | 466.0  | 467.6  | 466.8  | 467.6  | 466.0  | 462.1  | 456.6  | 451.2  | 443.3 | 435.5 |
| 162.5° | 451.5  | 454.7  | 455.1  | 454.9  | 455.1  | 454.7  | 451.5  | 447.2  | 442.4  | 435.8 | 428.6 |
| 165°   | 436.3  | 437.9  | 437.9  | 437.9  | 437.9  | 437.9  | 436.3  | 433.2  | 429.3  | 424.6 | 419.1 |
| 167.5° | 421.6  | 423.0  | 422.4  | 422.2  | 422.4  | 423.0  | 421.6  | 420.0  | 417.2  | 413.6 | 410.0 |
| 170°   | 412.8  | 413.6  | 413.6  | 412.8  | 413.6  | 413.6  | 412.8  | 411.3  | 409.7  | 407.4 | 405.0 |
| 172.5° | 404.7  | 406.1  | 404.9  | 404.1  | 404.9  | 406.1  | 404.7  | 404.4  | 403.5  | 401.7 | 399.4 |
| 175°   | 394.9  | 395.6  | 394.1  | 393.3  | 394.1  | 395.6  | 394.9  | 394.9  | 394.9  | 393.3 | 393.3 |
| 177.5° | 389.1  | 389.7  | 387.8  | 387.8  | 387.8  | 389.7  | 389.1  | 389.7  | 389.7  | 389.7 | 389.1 |
| 180°   | 387.8  | 387.8  | 387.8  | 387.8  | 387.8  | 387.8  | 387.8  | 387.8  | 387.8  | 387.8 | 387.8 |



TEST NUMBER: P333504

CATALOG NUMBER: S125RDIP-S375D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 562.9 | 562.9 | 562.9 | 562.9 | 562.9 | 562.9 | 562.9 | 562.9 | 562.9 | 562.9 | 562.9 |
| 2.5°   | 539.6 | 541.6 | 542.7 | 545.3 | 549.0 | 550.9 | 553.4 | 555.3 | 557.9 | 561.0 | 563.6 |
| 5°     | 504.6 | 510.2 | 513.9 | 519.7 | 525.0 | 530.3 | 537.0 | 541.8 | 548.3 | 555.7 | 561.5 |
| 7.5°   | 472.2 | 479.1 | 485.3 | 492.9 | 501.7 | 508.5 | 517.3 | 526.2 | 536.3 | 546.8 | 556.7 |
| 10°    | 451.5 | 458.4 | 466.1 | 475.5 | 484.3 | 493.6 | 504.0 | 514.4 | 527.1 | 538.8 | 552.2 |
| 12.5°  | 431.0 | 438.7 | 447.2 | 457.8 | 468.4 | 480.2 | 490.8 | 502.5 | 516.2 | 531.5 | 545.8 |
| 15°    | 405.5 | 412.9 | 422.2 | 431.2 | 443.4 | 456.4 | 470.4 | 485.9 | 501.2 | 518.3 | 536.1 |
| 17.5°  | 378.2 | 386.3 | 396.5 | 407.0 | 419.8 | 435.0 | 448.8 | 465.8 | 482.9 | 502.8 | 523.8 |
| 20°    | 360.5 | 368.8 | 380.8 | 392.3 | 404.1 | 418.9 | 435.3 | 452.7 | 470.9 | 491.9 | 515.3 |
| 22.5°  | 346.4 | 352.3 | 364.2 | 375.9 | 389.7 | 404.9 | 420.9 | 439.0 | 458.9 | 480.7 | 505.1 |
| 25°    | 325.6 | 332.5 | 341.1 | 353.3 | 367.6 | 383.6 | 399.7 | 418.9 | 440.6 | 462.8 | 488.9 |
| 27.5°  | 307.0 | 312.7 | 321.2 | 330.8 | 345.1 | 361.6 | 378.8 | 398.8 | 421.1 | 443.7 | 471.1 |
| 30°    | 293.9 | 300.2 | 308.2 | 318.4 | 329.7 | 347.8 | 365.3 | 385.0 | 407.6 | 430.9 | 459.1 |
| 32.5°  | 282.5 | 288.9 | 295.9 | 305.5 | 317.7 | 333.7 | 351.8 | 371.1 | 394.1 | 418.2 | 445.6 |
| 35°    | 266.4 | 270.8 | 277.3 | 286.8 | 298.8 | 311.7 | 330.2 | 350.5 | 372.9 | 397.9 | 425.4 |
| 37.5°  | 248.0 | 253.7 | 260.1 | 268.4 | 278.9 | 292.9 | 310.1 | 330.7 | 351.5 | 375.3 | 400.4 |
| 40°    | 237.3 | 242.6 | 249.8 | 255.8 | 266.9 | 279.6 | 295.3 | 316.8 | 337.6 | 360.0 | 382.9 |
| 42.5°  | 226.4 | 231.5 | 237.6 | 245.1 | 255.0 | 267.4 | 282.0 | 302.0 | 324.3 | 345.4 | 364.6 |
| 45°    | 209.3 | 214.7 | 220.4 | 227.4 | 236.6 | 248.6 | 263.2 | 281.4 | 300.8 | 320.3 | 334.8 |
| 47.5°  | 193.0 | 198.0 | 203.5 | 210.6 | 219.1 | 230.7 | 243.7 | 259.9 | 278.7 | 295.2 | 305.6 |
| 50°    | 181.4 | 186.0 | 192.0 | 198.9 | 207.3 | 218.1 | 230.6 | 246.5 | 262.3 | 277.3 | 286.8 |
| 52.5°  | 169.9 | 175.1 | 181.1 | 187.1 | 195.1 | 205.9 | 217.5 | 231.2 | 246.2 | 258.4 | 266.2 |
| 55°    | 152.7 | 157.6 | 163.1 | 169.4 | 177.2 | 186.5 | 198.7 | 209.6 | 221.4 | 231.8 | 236.4 |
| 57.5°  | 136.1 | 140.4 | 145.6 | 152.1 | 159.2 | 167.8 | 177.5 | 187.9 | 196.2 | 203.6 | 208.8 |
| 60°    | 125.2 | 128.9 | 133.8 | 139.3 | 147.0 | 154.8 | 163.6 | 173.3 | 179.8 | 186.0 | 190.9 |
| 62.5°  | 114.1 | 117.7 | 122.3 | 127.3 | 134.0 | 141.3 | 149.7 | 157.6 | 163.9 | 168.1 | 173.7 |
| 65°    | 97.5  | 101.0 | 104.9 | 110.2 | 115.5 | 121.5 | 129.2 | 134.9 | 139.3 | 144.0 | 147.4 |
| 67.5°  | 82.0  | 84.9  | 88.6  | 92.8  | 97.3  | 103.1 | 109.0 | 113.8 | 116.8 | 119.6 | 123.7 |
| 70°    | 71.9  | 74.2  | 77.2  | 80.4  | 85.3  | 91.0  | 95.7  | 99.4  | 101.4 | 104.2 | 109.3 |
| 72.5°  | 61.5  | 64.2  | 67.0  | 70.2  | 74.2  | 79.0  | 83.1  | 86.8  | 88.1  | 90.3  | 93.6  |
| 75°    | 48.5  | 49.9  | 52.2  | 54.5  | 57.3  | 61.5  | 65.4  | 66.3  | 67.5  | 69.3  | 71.6  |
| 77.5°  | 36.7  | 37.9  | 38.9  | 40.4  | 42.6  | 45.9  | 48.0  | 49.4  | 49.7  | 50.4  | 52.6  |
| 80°    | 29.1  | 29.8  | 30.7  | 31.9  | 32.8  | 35.6  | 36.7  | 38.1  | 38.6  | 39.3  | 40.4  |
| 82.5°  | 21.4  | 22.0  | 22.6  | 23.6  | 25.0  | 26.2  | 27.3  | 28.7  | 28.8  | 29.3  | 29.5  |
| 85°    | 12.5  | 12.7  | 12.2  | 12.7  | 12.9  | 13.4  | 14.6  | 15.7  | 15.5  | 15.3  | 15.9  |
| 87.5°  | 7.1   | 6.9   | 6.4   | 6.8   | 6.2   | 6.2   | 5.9   | 5.7   | 5.8   | 5.9   | 6.1   |
| 90°    | 13.3  | 12.5  | 10.9  | 10.2  | 8.6   | 7.8   | 6.3   | 4.7   | 3.1   | 1.6   | 0.8   |
| 92.5°  | 204.1 | 252.1 | 256.1 | 178.4 | 106.8 | 64.1  | 41.3  | 27.8  | 18.1  | 11.6  | 9.5   |
| 95°    | 677.9 | 692.8 | 565.3 | 349.5 | 177.5 | 93.8  | 58.6  | 41.4  | 32.8  | 26.6  | 25.8  |
| 97.5°  | 857.7 | 739.8 | 504.8 | 279.0 | 152.9 | 97.6  | 72.2  | 56.8  | 48.2  | 43.8  | 42.8  |
| 100°   | 901.5 | 706.1 | 450.4 | 253.3 | 151.7 | 106.3 | 82.9  | 68.0  | 59.4  | 56.3  | 54.7  |
| 102.5° | 875.3 | 646.6 | 409.1 | 242.7 | 157.3 | 117.0 | 94.1  | 80.5  | 71.3  | 68.8  | 67.9  |
| 105°   | 791.3 | 566.9 | 369.1 | 238.5 | 168.9 | 134.5 | 112.6 | 100.1 | 92.3  | 88.4  | 88.4  |
| 107.5° | 705.6 | 512.0 | 352.2 | 245.7 | 186.1 | 152.8 | 133.1 | 120.1 | 113.7 | 109.9 | 108.4 |
| 110°   | 656.8 | 486.3 | 347.2 | 252.6 | 198.6 | 166.5 | 146.2 | 134.5 | 127.4 | 124.3 | 122.8 |



TEST NUMBER: P333504

CATALOG NUMBER: S125RDIP-S375D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 620.5 | 471.3 | 347.2 | 261.3 | 210.5 | 179.7 | 160.0 | 148.2 | 141.2 | 138.7 | 137.1 |
| 115°   | 580.9 | 455.1 | 349.5 | 274.4 | 229.1 | 200.2 | 180.6 | 168.9 | 161.9 | 159.5 | 157.9 |
| 117.5° | 557.3 | 447.1 | 354.7 | 289.5 | 248.2 | 220.8 | 201.9 | 188.6 | 181.6 | 179.1 | 176.7 |
| 120°   | 544.2 | 443.3 | 359.7 | 299.5 | 261.9 | 234.6 | 215.0 | 201.7 | 194.7 | 191.6 | 189.2 |
| 122.5° | 532.9 | 440.2 | 364.0 | 310.7 | 275.1 | 247.7 | 228.2 | 213.6 | 206.6 | 204.1 | 202.4 |
| 125°   | 517.6 | 436.3 | 371.4 | 326.0 | 292.4 | 266.6 | 246.3 | 231.4 | 224.4 | 220.5 | 218.9 |
| 127.5° | 503.5 | 434.4 | 379.7 | 340.1 | 309.2 | 284.3 | 264.0 | 248.2 | 239.3 | 234.3 | 231.9 |
| 130°   | 494.2 | 433.2 | 384.7 | 349.5 | 319.8 | 295.6 | 275.2 | 258.8 | 248.6 | 242.4 | 240.0 |
| 132.5° | 486.7 | 433.2 | 390.3 | 357.6 | 329.8 | 305.6 | 285.2 | 268.2 | 256.8 | 249.3 | 246.3 |
| 135°   | 477.7 | 433.2 | 398.0 | 369.1 | 343.3 | 319.0 | 297.9 | 281.5 | 269.0 | 259.6 | 256.5 |
| 137.5° | 469.8 | 434.1 | 405.0 | 377.5 | 352.8 | 330.7 | 309.0 | 292.9 | 280.4 | 271.6 | 269.3 |
| 140°   | 466.0 | 434.7 | 408.1 | 383.1 | 359.7 | 337.0 | 315.9 | 301.0 | 288.5 | 279.1 | 276.8 |
| 142.5° | 462.9 | 435.4 | 410.0 | 386.3 | 364.0 | 342.6 | 322.8 | 308.5 | 296.0 | 287.3 | 285.5 |
| 145°   | 458.2 | 434.7 | 412.1 | 390.9 | 371.4 | 351.1 | 333.1 | 319.0 | 308.1 | 300.2 | 298.7 |
| 147.5° | 453.3 | 432.7 | 412.8 | 393.8 | 376.1 | 358.3 | 342.5 | 330.3 | 320.1 | 313.4 | 312.4 |
| 150°   | 449.6 | 430.8 | 412.8 | 395.6 | 379.2 | 362.0 | 348.7 | 337.8 | 327.6 | 322.1 | 320.6 |
| 152.5° | 445.2 | 428.3 | 412.2 | 396.9 | 382.3 | 366.4 | 354.4 | 344.0 | 335.1 | 330.3 | 329.3 |
| 155°   | 437.9 | 423.8 | 410.5 | 398.0 | 385.5 | 372.2 | 361.2 | 353.4 | 345.6 | 340.9 | 340.9 |
| 157.5° | 431.0 | 419.1 | 408.5 | 398.8 | 388.1 | 376.7 | 368.4 | 361.5 | 354.8 | 351.1 | 351.2 |
| 160°   | 425.4 | 416.0 | 406.6 | 398.8 | 389.4 | 379.2 | 372.2 | 365.9 | 360.5 | 357.3 | 358.1 |
| 162.5° | 420.3 | 412.2 | 404.7 | 398.1 | 390.6 | 381.7 | 375.9 | 370.9 | 366.1 | 363.0 | 363.7 |
| 165°   | 412.8 | 406.6 | 401.9 | 397.2 | 390.9 | 384.7 | 380.0 | 376.9 | 373.0 | 370.6 | 372.2 |
| 167.5° | 405.5 | 401.1 | 397.5 | 395.3 | 390.9 | 385.8 | 382.8 | 380.6 | 378.4 | 377.0 | 377.8 |
| 170°   | 401.1 | 398.0 | 395.6 | 394.1 | 390.9 | 387.0 | 384.7 | 383.1 | 381.6 | 380.8 | 381.6 |
| 172.5° | 396.7 | 394.2 | 393.1 | 392.8 | 390.3 | 387.0 | 385.9 | 385.0 | 383.4 | 382.7 | 384.1 |
| 175°   | 390.9 | 390.2 | 390.2 | 390.9 | 389.4 | 387.0 | 387.0 | 387.0 | 386.3 | 385.5 | 387.0 |
| 177.5° | 388.4 | 387.8 | 387.8 | 389.1 | 388.4 | 387.2 | 387.2 | 387.8 | 387.2 | 387.2 | 388.4 |
| 180°   | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 |



TEST NUMBER: P333504

CATALOG NUMBER: S125RDIP-S375D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0°     | 562.9 | 562.9 | 562.9 | 562.9 | 562.9 | 562.9 | 562.9 | 562.9 | 562.9 | 562.9 | 562.9  |
| 2.5°   | 565.6 | 567.3 | 569.7 | 572.5 | 574.7 | 577.1 | 578.4 | 578.4 | 579.5 | 581.9 | 585.1  |
| 5°     | 567.3 | 573.3 | 579.0 | 586.4 | 592.2 | 598.9 | 604.0 | 608.9 | 613.2 | 618.8 | 624.6  |
| 7.5°   | 566.8 | 576.8 | 587.2 | 598.8 | 611.7 | 621.9 | 632.4 | 640.6 | 648.7 | 659.4 | 667.7  |
| 10°    | 565.0 | 577.9 | 592.0 | 606.8 | 623.0 | 637.0 | 649.8 | 661.3 | 672.4 | 684.0 | 694.4  |
| 12.5°  | 561.6 | 578.1 | 595.3 | 613.1 | 633.5 | 649.6 | 666.0 | 678.3 | 691.3 | 703.9 | 716.7  |
| 15°    | 556.6 | 576.0 | 596.8 | 621.6 | 646.5 | 664.5 | 680.7 | 696.7 | 708.7 | 723.0 | 735.3  |
| 17.5°  | 546.3 | 571.3 | 597.5 | 624.5 | 648.5 | 669.4 | 686.4 | 701.6 | 714.4 | 730.1 | 746.8  |
| 20°    | 540.2 | 567.3 | 594.5 | 623.4 | 646.3 | 667.8 | 684.2 | 699.9 | 715.8 | 736.4 | 756.7  |
| 22.5°  | 531.7 | 560.6 | 589.5 | 616.9 | 641.1 | 661.9 | 678.8 | 698.0 | 719.0 | 742.3 | 766.9  |
| 25°    | 518.3 | 548.1 | 576.7 | 602.8 | 626.4 | 647.7 | 670.8 | 696.7 | 722.1 | 752.8 | 788.2  |
| 27.5°  | 501.2 | 530.0 | 555.5 | 583.1 | 606.5 | 633.6 | 662.4 | 690.5 | 727.1 | 769.4 | 813.5  |
| 30°    | 488.5 | 515.7 | 540.0 | 566.1 | 592.7 | 622.5 | 654.8 | 687.9 | 731.6 | 781.2 | 833.7  |
| 32.5°  | 473.7 | 498.4 | 522.4 | 547.6 | 578.3 | 611.0 | 645.4 | 685.8 | 738.0 | 794.5 | 848.8  |
| 35°    | 448.0 | 470.2 | 493.6 | 521.5 | 554.1 | 589.7 | 633.6 | 682.8 | 745.9 | 806.6 | 855.4  |
| 37.5°  | 421.1 | 438.7 | 462.1 | 491.6 | 527.1 | 568.2 | 618.1 | 677.9 | 742.6 | 797.2 | 817.9  |
| 40°    | 400.4 | 416.8 | 441.6 | 472.5 | 507.7 | 552.7 | 608.6 | 670.1 | 735.3 | 773.1 | 771.5  |
| 42.5°  | 379.9 | 396.5 | 420.3 | 451.5 | 488.1 | 538.5 | 596.1 | 659.9 | 714.9 | 729.3 | 699.3  |
| 45°    | 348.4 | 363.9 | 387.3 | 418.7 | 458.0 | 510.9 | 571.4 | 632.7 | 667.8 | 644.4 | 584.8  |
| 47.5°  | 316.4 | 331.4 | 353.1 | 383.8 | 426.7 | 482.1 | 539.4 | 589.6 | 594.5 | 544.4 | 472.9  |
| 50°    | 295.3 | 309.4 | 330.0 | 362.8 | 404.4 | 458.4 | 513.7 | 553.2 | 540.9 | 479.7 | 406.0  |
| 52.5°  | 274.8 | 288.3 | 307.6 | 338.6 | 381.1 | 434.0 | 483.3 | 514.4 | 486.0 | 420.9 | 354.6  |
| 55°    | 244.5 | 257.4 | 276.8 | 305.2 | 343.8 | 392.3 | 435.6 | 446.9 | 405.3 | 339.7 | 286.1  |
| 57.5°  | 215.7 | 225.2 | 244.3 | 269.5 | 306.7 | 349.5 | 380.4 | 378.4 | 332.5 | 273.4 | 234.9  |
| 60°    | 196.6 | 205.2 | 223.4 | 246.5 | 281.9 | 320.3 | 342.0 | 332.7 | 286.3 | 237.5 | 200.6  |
| 62.5°  | 178.9 | 186.9 | 202.2 | 223.4 | 253.8 | 287.2 | 303.0 | 290.2 | 246.4 | 203.5 | 174.1  |
| 65°    | 152.0 | 157.8 | 170.1 | 189.7 | 213.5 | 236.6 | 250.7 | 232.0 | 193.2 | 160.8 | 138.6  |
| 67.5°  | 126.9 | 131.9 | 142.8 | 156.9 | 173.3 | 189.3 | 195.0 | 177.5 | 147.3 | 125.5 | 109.8  |
| 70°    | 110.7 | 115.3 | 122.7 | 135.9 | 146.7 | 158.0 | 160.8 | 145.1 | 119.9 | 103.3 | 93.6   |
| 72.5°  | 95.2  | 99.4  | 105.9 | 115.2 | 122.7 | 129.2 | 130.5 | 115.9 | 96.6  | 85.2  | 77.7   |
| 75°    | 72.6  | 76.3  | 80.4  | 83.9  | 88.7  | 89.9  | 89.4  | 78.1  | 67.7  | 60.1  | 55.9   |
| 77.5°  | 53.3  | 54.9  | 57.4  | 58.8  | 59.0  | 58.9  | 56.6  | 49.4  | 44.0  | 40.9  | 39.2   |
| 80°    | 41.1  | 42.3  | 43.0  | 43.4  | 43.7  | 41.4  | 38.8  | 34.4  | 32.6  | 30.7  | 28.7   |
| 82.5°  | 29.9  | 30.6  | 31.3  | 31.4  | 30.2  | 28.2  | 25.9  | 23.7  | 22.4  | 21.5  | 20.7   |
| 85°    | 16.2  | 16.4  | 16.2  | 15.0  | 13.4  | 12.7  | 12.2  | 11.8  | 11.6  | 11.3  | 11.3   |
| 87.5°  | 6.0   | 5.8   | 5.2   | 5.7   | 6.0   | 6.0   | 6.3   | 6.3   | 6.4   | 6.5   | 6.7    |
| 90°    | 1.6   | 3.1   | 4.7   | 6.3   | 7.8   | 8.6   | 10.2  | 10.9  | 12.5  | 13.3  | 14.1   |
| 92.5°  | 11.6  | 18.1  | 27.8  | 41.3  | 64.1  | 106.8 | 178.4 | 256.1 | 252.1 | 204.1 | 138.6  |
| 95°    | 26.6  | 32.8  | 41.4  | 58.6  | 93.8  | 177.5 | 349.5 | 565.3 | 692.8 | 677.9 | 562.2  |
| 97.5°  | 43.8  | 48.2  | 56.8  | 72.2  | 97.6  | 152.9 | 279.0 | 504.8 | 739.8 | 857.7 | 837.3  |
| 100°   | 56.3  | 59.4  | 68.0  | 82.9  | 106.3 | 151.7 | 253.3 | 450.4 | 706.1 | 901.5 | 961.7  |
| 102.5° | 68.8  | 71.3  | 80.5  | 94.1  | 117.0 | 157.3 | 242.7 | 409.1 | 646.6 | 875.3 | 1003.6 |
| 105°   | 88.4  | 92.3  | 100.1 | 112.6 | 134.5 | 168.9 | 238.5 | 369.1 | 566.9 | 791.3 | 978.9  |
| 107.5° | 109.9 | 113.7 | 120.1 | 133.1 | 152.8 | 186.1 | 245.7 | 352.2 | 512.0 | 705.6 | 890.7  |
| 110°   | 124.3 | 127.4 | 134.5 | 146.2 | 166.5 | 198.6 | 252.6 | 347.2 | 486.3 | 656.8 | 825.7  |





TEST NUMBER: P333504

CATALOG NUMBER: S125RDIP-S375D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 138.7 | 141.2 | 148.2 | 160.0 | 179.7 | 210.5 | 261.3 | 347.2 | 471.3 | 620.5 | 774.4 |
| 115°   | 159.5 | 161.9 | 168.9 | 180.6 | 200.2 | 229.1 | 274.4 | 349.5 | 455.1 | 580.9 | 710.0 |
| 117.5° | 179.1 | 181.6 | 188.6 | 201.9 | 220.8 | 248.2 | 289.5 | 354.7 | 447.1 | 557.3 | 668.4 |
| 120°   | 191.6 | 194.7 | 201.7 | 215.0 | 234.6 | 261.9 | 299.5 | 359.7 | 443.3 | 544.2 | 645.8 |
| 122.5° | 204.1 | 206.6 | 213.6 | 228.2 | 247.7 | 275.1 | 310.7 | 364.0 | 440.2 | 532.9 | 629.0 |
| 125°   | 220.5 | 224.4 | 231.4 | 246.3 | 266.6 | 292.4 | 326.0 | 371.4 | 436.3 | 517.6 | 604.4 |
| 127.5° | 234.3 | 239.3 | 248.2 | 264.0 | 284.3 | 309.2 | 340.1 | 379.7 | 434.4 | 503.5 | 579.4 |
| 130°   | 242.4 | 248.6 | 258.8 | 275.2 | 295.6 | 319.8 | 349.5 | 384.7 | 433.2 | 494.2 | 563.7 |
| 132.5° | 249.3 | 256.8 | 268.2 | 285.2 | 305.6 | 329.8 | 357.6 | 390.3 | 433.2 | 486.7 | 548.1 |
| 135°   | 259.6 | 269.0 | 281.5 | 297.9 | 319.0 | 343.3 | 369.1 | 398.0 | 433.2 | 477.7 | 527.8 |
| 137.5° | 271.6 | 280.4 | 292.9 | 309.0 | 330.7 | 352.8 | 377.5 | 405.0 | 434.1 | 469.8 | 510.6 |
| 140°   | 279.1 | 288.5 | 301.0 | 315.9 | 337.0 | 359.7 | 383.1 | 408.1 | 434.7 | 466.0 | 501.2 |
| 142.5° | 287.3 | 296.0 | 308.5 | 322.8 | 342.6 | 364.0 | 386.3 | 410.0 | 435.4 | 462.9 | 493.1 |
| 145°   | 300.2 | 308.1 | 319.0 | 333.1 | 351.1 | 371.4 | 390.9 | 412.1 | 434.7 | 458.2 | 482.4 |
| 147.5° | 313.4 | 320.1 | 330.3 | 342.5 | 358.3 | 376.1 | 393.8 | 412.8 | 432.7 | 453.3 | 472.4 |
| 150°   | 322.1 | 327.6 | 337.8 | 348.7 | 362.0 | 379.2 | 395.6 | 412.8 | 430.8 | 449.6 | 466.8 |
| 152.5° | 330.3 | 335.1 | 344.0 | 354.4 | 366.4 | 382.3 | 396.9 | 412.2 | 428.3 | 445.2 | 460.5 |
| 155°   | 340.9 | 345.6 | 353.4 | 361.2 | 372.2 | 385.5 | 398.0 | 410.5 | 423.8 | 437.9 | 451.2 |
| 157.5° | 351.1 | 354.8 | 361.5 | 368.4 | 376.7 | 388.1 | 398.8 | 408.5 | 419.1 | 431.0 | 441.8 |
| 160°   | 357.3 | 360.5 | 365.9 | 372.2 | 379.2 | 389.4 | 398.8 | 406.6 | 416.0 | 425.4 | 435.5 |
| 162.5° | 363.0 | 366.1 | 370.9 | 375.9 | 381.7 | 390.6 | 398.1 | 404.7 | 412.2 | 420.3 | 428.6 |
| 165°   | 370.6 | 373.0 | 376.9 | 380.0 | 384.7 | 390.9 | 397.2 | 401.9 | 406.6 | 412.8 | 419.1 |
| 167.5° | 377.0 | 378.4 | 380.6 | 382.8 | 385.8 | 390.9 | 395.3 | 397.5 | 401.1 | 405.5 | 410.0 |
| 170°   | 380.8 | 381.6 | 383.1 | 384.7 | 387.0 | 390.9 | 394.1 | 395.6 | 398.0 | 401.1 | 405.0 |
| 172.5° | 382.7 | 383.4 | 385.0 | 385.9 | 387.0 | 390.3 | 392.8 | 393.1 | 394.2 | 396.7 | 399.4 |
| 175°   | 385.5 | 386.3 | 387.0 | 387.0 | 387.0 | 389.4 | 390.9 | 390.2 | 390.2 | 390.9 | 393.3 |
| 177.5° | 387.2 | 387.2 | 387.8 | 387.2 | 387.2 | 388.4 | 389.1 | 387.8 | 387.8 | 388.4 | 389.1 |
| 180°   | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 |



TEST NUMBER: P333504

CATALOG NUMBER: S125RDIP-S375D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 562.9  | 562.9  | 562.9  | 562.9  | 562.9  | 562.9  | 562.9  |
| 2.5°   | 587.5  | 587.5  | 590.6  | 590.4  | 592.5  | 591.7  | 592.1  |
| 5°     | 631.5  | 635.4  | 638.9  | 641.2  | 644.7  | 645.6  | 645.1  |
| 7.5°   | 677.2  | 685.9  | 690.1  | 696.0  | 697.0  | 700.1  | 699.8  |
| 10°    | 705.4  | 714.0  | 720.5  | 725.5  | 728.1  | 731.3  | 731.6  |
| 12.5°  | 727.6  | 734.9  | 740.6  | 745.3  | 748.4  | 749.4  | 750.0  |
| 15°    | 745.0  | 753.0  | 759.7  | 766.4  | 770.4  | 773.4  | 775.0  |
| 17.5°  | 762.4  | 774.9  | 786.7  | 795.8  | 801.3  | 805.9  | 805.9  |
| 20°    | 775.9  | 790.2  | 805.0  | 815.4  | 826.1  | 830.7  | 831.4  |
| 22.5°  | 790.3  | 812.2  | 831.3  | 847.4  | 861.4  | 866.2  | 868.0  |
| 25°    | 820.3  | 848.9  | 878.3  | 900.9  | 917.1  | 926.6  | 928.0  |
| 27.5°  | 856.5  | 895.2  | 926.1  | 947.0  | 960.4  | 967.5  | 969.0  |
| 30°    | 882.0  | 917.8  | 945.5  | 961.2  | 967.5  | 968.4  | 964.9  |
| 32.5°  | 893.4  | 920.2  | 931.3  | 930.4  | 918.1  | 910.0  | 906.9  |
| 35°    | 879.4  | 873.9  | 846.9  | 814.5  | 789.8  | 774.1  | 769.9  |
| 37.5°  | 800.3  | 752.5  | 702.8  | 653.9  | 627.9  | 614.6  | 591.9  |
| 40°    | 722.3  | 654.1  | 602.4  | 561.3  | 531.9  | 508.3  | 502.8  |
| 42.5°  | 634.3  | 563.9  | 512.2  | 477.0  | 453.5  | 437.4  | 430.3  |
| 45°    | 509.7  | 449.2  | 406.4  | 379.4  | 361.4  | 349.6  | 344.3  |
| 47.5°  | 407.7  | 360.8  | 329.7  | 309.7  | 295.9  | 285.7  | 282.8  |
| 50°    | 351.7  | 314.2  | 287.9  | 271.0  | 260.6  | 252.8  | 249.6  |
| 52.5°  | 305.5  | 275.2  | 255.0  | 241.1  | 231.3  | 226.4  | 223.7  |
| 55°    | 252.1  | 226.0  | 211.4  | 200.3  | 194.8  | 190.9  | 189.0  |
| 57.5°  | 206.2  | 187.3  | 176.7  | 169.0  | 163.9  | 161.4  | 160.5  |
| 60°    | 180.5  | 165.7  | 156.0  | 150.0  | 146.5  | 143.3  | 142.3  |
| 62.5°  | 157.7  | 146.1  | 138.6  | 133.3  | 129.9  | 128.5  | 127.9  |
| 65°    | 127.1  | 119.5  | 113.9  | 110.7  | 107.9  | 107.4  | 107.2  |
| 67.5°  | 101.0  | 96.5   | 93.6   | 90.3   | 89.3   | 87.7   | 87.3   |
| 70°    | 86.4   | 83.4   | 79.9   | 78.8   | 77.6   | 76.0   | 76.3   |
| 72.5°  | 73.3   | 70.3   | 67.9   | 66.4   | 66.0   | 65.3   | 65.9   |
| 75°    | 53.6   | 52.7   | 51.8   | 50.6   | 50.1   | 50.1   | 49.9   |
| 77.5°  | 38.3   | 37.5   | 36.5   | 35.8   | 35.6   | 34.7   | 35.0   |
| 80°    | 27.7   | 26.6   | 26.1   | 26.3   | 25.6   | 25.4   | 25.4   |
| 82.5°  | 20.5   | 20.1   | 19.6   | 19.7   | 19.5   | 19.3   | 19.5   |
| 85°    | 11.3   | 11.1   | 11.1   | 10.9   | 10.9   | 10.6   | 10.6   |
| 87.5°  | 7.0    | 7.4    | 7.3    | 7.1    | 7.1    | 7.5    | 7.7    |
| 90°    | 14.9   | 15.6   | 17.2   | 17.2   | 17.2   | 18.0   | 18.0   |
| 92.5°  | 100.6  | 75.7   | 64.1   | 54.1   | 52.2   | 51.1   | 49.9   |
| 95°    | 443.3  | 347.2  | 281.5  | 226.0  | 202.5  | 196.3  | 183.7  |
| 97.5°  | 753.9  | 660.2  | 568.9  | 520.6  | 476.8  | 454.1  | 444.1  |
| 100°   | 923.4  | 842.9  | 761.6  | 707.6  | 651.3  | 622.4  | 609.9  |
| 102.5° | 1027.3 | 988.6  | 933.6  | 875.9  | 835.8  | 804.4  | 795.0  |
| 105°   | 1086.1 | 1120.5 | 1111.9 | 1086.8 | 1061.0 | 1045.4 | 1036.0 |
| 107.5° | 1033.7 | 1122.0 | 1162.8 | 1175.5 | 1175.3 | 1170.2 | 1163.9 |
| 110°   | 974.2  | 1084.5 | 1150.9 | 1186.1 | 1201.0 | 1206.5 | 1206.5 |



TEST NUMBER: P333504

CATALOG NUMBER: S125RDIP-S375D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|-------|--------|--------|--------|--------|--------|--------|
| 112.5° | 915.4 | 1026.9 | 1105.3 | 1156.7 | 1182.2 | 1195.8 | 1201.5 |
| 115°   | 831.2 | 938.3  | 1023.5 | 1084.5 | 1122.0 | 1143.9 | 1154.1 |
| 117.5° | 772.8 | 865.1  | 943.3  | 1004.3 | 1043.0 | 1064.8 | 1071.0 |
| 120°   | 739.7 | 825.7  | 894.5  | 952.3  | 989.9  | 1011.0 | 1017.2 |
| 122.5° | 715.9 | 792.5  | 857.0  | 908.6  | 943.0  | 964.1  | 969.7  |
| 125°   | 684.2 | 752.2  | 808.5  | 852.3  | 884.3  | 901.5  | 909.3  |
| 127.5° | 653.8 | 717.3  | 770.0  | 809.7  | 838.0  | 854.3  | 857.7  |
| 130°   | 632.6 | 693.5  | 744.4  | 783.5  | 809.3  | 824.9  | 829.6  |
| 132.5° | 612.5 | 667.9  | 716.8  | 755.9  | 781.7  | 796.1  | 801.4  |
| 135°   | 581.7 | 631.8  | 676.3  | 710.7  | 736.5  | 750.6  | 755.3  |
| 137.5° | 554.2 | 595.8  | 633.6  | 664.5  | 687.9  | 700.9  | 706.1  |
| 140°   | 537.9 | 573.9  | 606.7  | 635.7  | 656.0  | 667.7  | 671.6  |
| 142.5° | 524.2 | 555.1  | 583.6  | 608.2  | 625.4  | 636.5  | 639.7  |
| 145°   | 506.7 | 530.9  | 552.0  | 570.8  | 584.1  | 592.7  | 595.8  |
| 147.5° | 492.1 | 510.7  | 526.7  | 541.5  | 552.2  | 557.2  | 558.6  |
| 150°   | 484.0 | 498.8  | 512.9  | 524.7  | 534.0  | 537.2  | 537.9  |
| 152.5° | 475.9 | 489.5  | 500.4  | 510.3  | 517.8  | 520.9  | 521.7  |
| 155°   | 463.7 | 474.6  | 483.2  | 491.0  | 496.5  | 498.8  | 499.6  |
| 157.5° | 452.1 | 460.5  | 467.3  | 473.4  | 477.9  | 480.1  | 479.9  |
| 160°   | 443.3 | 451.2  | 456.6  | 462.1  | 466.0  | 467.6  | 466.8  |
| 162.5° | 435.8 | 442.4  | 447.2  | 451.5  | 454.7  | 455.1  | 454.9  |
| 165°   | 424.6 | 429.3  | 433.2  | 436.3  | 437.9  | 437.9  | 437.9  |
| 167.5° | 413.6 | 417.2  | 420.0  | 421.6  | 423.0  | 422.4  | 422.2  |
| 170°   | 407.4 | 409.7  | 411.3  | 412.8  | 413.6  | 413.6  | 412.8  |
| 172.5° | 401.7 | 403.5  | 404.4  | 404.7  | 406.1  | 404.9  | 404.1  |
| 175°   | 393.3 | 394.9  | 394.9  | 394.9  | 395.6  | 394.1  | 393.3  |
| 177.5° | 389.7 | 389.7  | 389.7  | 389.1  | 389.7  | 387.8  | 387.8  |
| 180°   | 387.8 | 387.8  | 387.8  | 387.8  | 387.8  | 387.8  | 387.8  |

(END OF REPORT)