

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: P331903-927

Luminaire Tested: **S123DIP-S340D1195U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331903-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123DIP-S340D1195U927-4F0-1E-UDD-A4  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1195 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4573.9 lumens  
Efficiency: N/A  
Efficacy: 108.4 lumens/watt  
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: Semi-Indirect

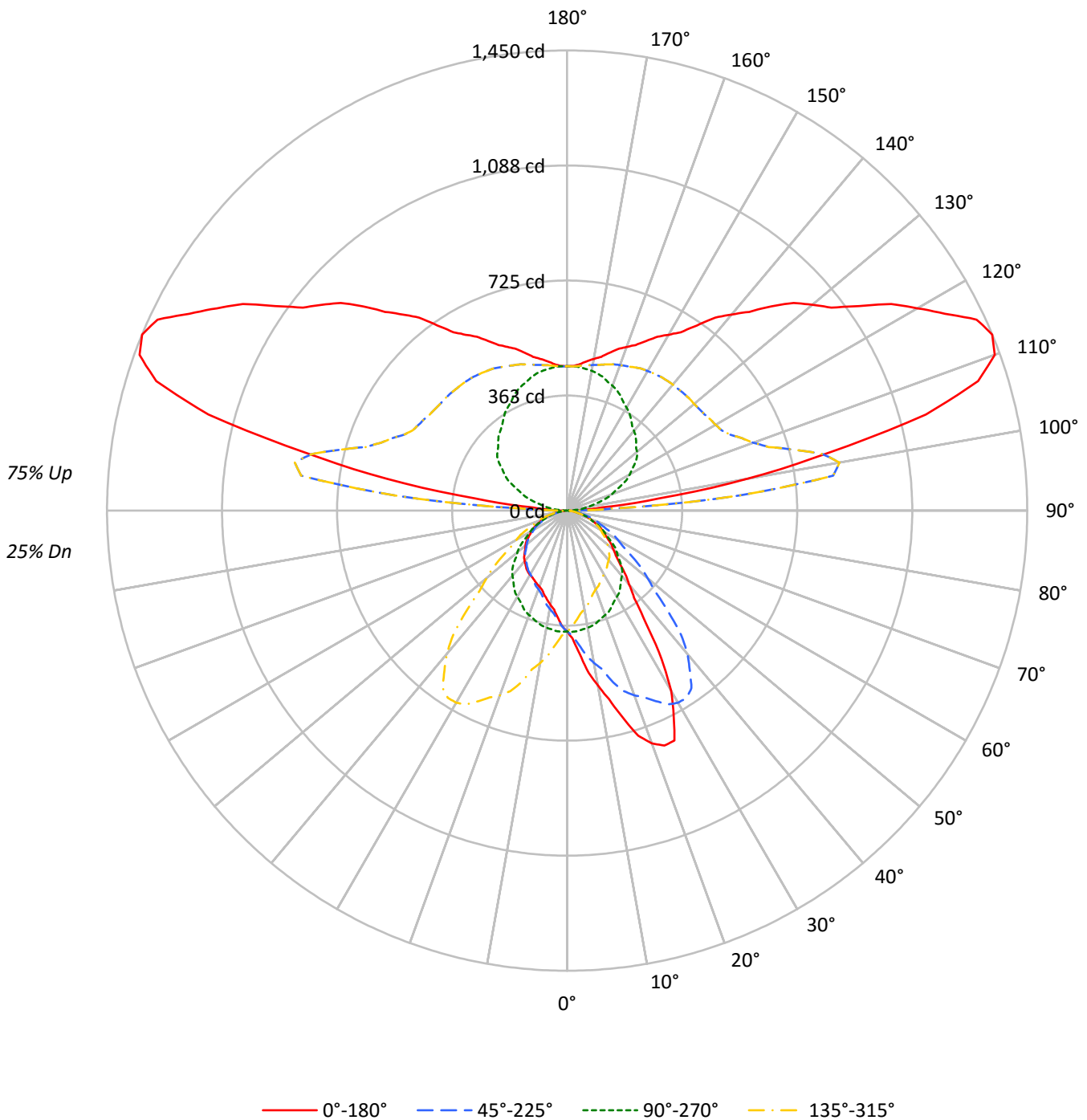
Input Watts (W): 42.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P331903-927

CATALOG NUMBER: S123DIP-S340D1195U927-4F0-1E-UDD-A4

### Luminous Intensity Polar Plot





TEST NUMBER: P331903-927

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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    | 20 |    |    | 20 |    |    | 20 |    |    | 20 |
| RC  | 80  |     |     |     | 70 |    |    |    | 50 |    |    | 30 |    |    | 10 |    |    | 0  |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0  |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 101 | 101 | 101 | 101 | 90 | 90 | 90 | 90 | 70 | 70 | 70 | 51 | 51 | 51 | 33 | 33 | 33 | 25 |
| 1   | 92  | 88  | 85  | 81  | 82 | 79 | 76 | 73 | 61 | 59 | 57 | 45 | 43 | 42 | 30 | 29 | 28 | 21 |
| 2   | 84  | 77  | 71  | 66  | 75 | 69 | 64 | 60 | 54 | 50 | 47 | 39 | 37 | 35 | 26 | 25 | 24 | 18 |
| 3   | 77  | 68  | 61  | 55  | 68 | 61 | 55 | 50 | 47 | 43 | 40 | 35 | 32 | 30 | 23 | 22 | 21 | 16 |
| 4   | 70  | 60  | 52  | 47  | 62 | 54 | 47 | 42 | 42 | 38 | 34 | 31 | 28 | 26 | 21 | 19 | 18 | 13 |
| 5   | 64  | 53  | 46  | 40  | 57 | 48 | 41 | 36 | 37 | 33 | 29 | 28 | 25 | 22 | 19 | 17 | 15 | 12 |
| 6   | 59  | 48  | 40  | 34  | 53 | 43 | 36 | 31 | 34 | 29 | 25 | 25 | 22 | 19 | 17 | 15 | 14 | 10 |
| 7   | 55  | 43  | 35  | 30  | 48 | 39 | 32 | 27 | 30 | 26 | 22 | 23 | 20 | 17 | 16 | 14 | 12 | 9  |
| 8   | 51  | 39  | 31  | 26  | 45 | 35 | 29 | 24 | 28 | 23 | 20 | 21 | 18 | 15 | 14 | 12 | 11 | 8  |
| 9   | 47  | 35  | 28  | 23  | 42 | 32 | 26 | 21 | 25 | 21 | 17 | 19 | 16 | 14 | 13 | 11 | 10 | 7  |
| 10  | 44  | 32  | 25  | 21  | 39 | 29 | 23 | 19 | 23 | 19 | 16 | 17 | 14 | 12 | 12 | 10 | 9  | 7  |

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

|     | 0°   | 90°  | 180° | 270° |
|-----|------|------|------|------|
| 0°  | 4100 | 4100 | 4100 | 4100 |
| 5°  | 4889 | 4118 | 3649 | 4118 |
| 10° | 6120 | 4098 | 3296 | 4098 |
| 15° | 7506 | 4063 | 3069 | 4063 |
| 20° | 8942 | 4013 | 2922 | 4013 |
| 25° | 9495 | 3950 | 2888 | 3950 |
| 30° | 8139 | 3904 | 2903 | 3904 |
| 35° | 5660 | 3840 | 2934 | 3840 |
| 40° | 4263 | 3763 | 2925 | 3763 |
| 45° | 3539 | 3649 | 2888 | 3649 |
| 50° | 3170 | 3418 | 2862 | 3418 |
| 55° | 2965 | 3170 | 2826 | 3170 |
| 60° | 2781 | 2908 | 2796 | 2908 |
| 65° | 2613 | 2651 | 2707 | 2651 |
| 70° | 2452 | 2357 | 2578 | 2357 |
| 75° | 2196 | 2067 | 2366 | 2067 |
| 80° | 1922 | 1692 | 2039 | 1692 |
| 85° | 1507 | 1235 | 1371 | 1235 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 37.5   | 0.8       |
| 10°-20°   | 120.3  | 2.6       |
| 20°-30°   | 201.9  | 4.4       |
| 30°-40°   | 228.6  | 5.0       |
| 40°-50°   | 205.0  | 4.5       |
| 50°-60°   | 165.5  | 3.6       |
| 60°-70°   | 115.3  | 2.5       |
| 70°-80°   | 60.6   | 1.3       |
| 80°-90°   | 18.3   | 0.4       |
| 90°-100°  | 253.0  | 5.5       |
| 100°-110° | 716.5  | 15.7      |
| 110°-120° | 704.8  | 15.4      |
| 120°-130° | 562.2  | 12.3      |
| 130°-140° | 443.3  | 9.7       |
| 140°-150° | 330.8  | 7.2       |
| 150°-160° | 230.6  | 5.0       |
| 160°-170° | 135.5  | 3.0       |
| 170°-180° | 44.1   | 1.0       |
| 0°-30°    | 359.8  | 7.9       |
| 0°-40°    | 588.4  | 12.9      |
| 0°-60°    | 958.9  | 21.0      |
| 0°-90°    | 1153.2 | 25.2      |
| 90°-120°  | 1674.3 | 36.6      |
| 90°-150°  | 3010.6 | 65.8      |
| 90°-180°  | 3421.0 | 74.8      |
| 0°-180°   | 4573.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90° | 180° | 270° | 360° | Flux |
|------|------|-----|------|------|------|------|
| 0°   | 381  | 381 | 381  | 381  | 381  |      |
| 5°   | 452  | 381 | 338  | 381  | 452  | 47   |
| 15°  | 674  | 365 | 275  | 365  | 674  | 194  |
| 25°  | 800  | 333 | 243  | 333  | 800  | 351  |
| 35°  | 431  | 292 | 223  | 292  | 431  | 280  |
| 45°  | 232  | 240 | 190  | 240  | 232  | 184  |
| 55°  | 158  | 169 | 151  | 169  | 158  | 142  |
| 65°  | 103  | 104 | 106  | 104  | 103  | 102  |
| 75°  | 53   | 50  | 57   | 50   | 53   | 56   |
| 85°  | 12   | 10  | 11   | 10   | 12   | 15   |
| 90°  | 27   | 2   | 27   | 2    | 27   | 15   |
| 95°  | 107  | 31  | 107  | 31   | 107  | 192  |
| 105° | 1171 | 107 | 1171 | 107  | 1171 | 1155 |
| 115° | 1424 | 189 | 1424 | 189  | 1424 | 1383 |
| 125° | 1123 | 262 | 1123 | 262  | 1123 | 1018 |
| 135° | 910  | 307 | 910  | 307  | 910  | 706  |
| 145° | 712  | 351 | 712  | 351  | 712  | 452  |
| 155° | 590  | 398 | 590  | 398  | 590  | 275  |
| 165° | 514  | 435 | 514  | 435  | 514  | 147  |
| 175° | 463  | 454 | 463  | 454  | 463  | 45   |
| 180° | 455  | 455 | 455  | 455  | 455  |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°   | 50°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 0°     | 380.9  | 380.9  | 380.9  | 380.9  | 380.9  | 380.9  | 380.9  | 380.9  | 380.9  | 380.9 | 380.9 |
| 2.5°   | 404.3  | 403.9  | 403.2  | 403.8  | 402.6  | 401.0  | 400.8  | 399.3  | 395.1  | 394.8 | 393.6 |
| 5°     | 452.5  | 451.1  | 450.8  | 450.7  | 448.1  | 444.6  | 437.9  | 437.4  | 428.5  | 424.1 | 418.7 |
| 7.5°   | 515.1  | 515.8  | 513.1  | 510.8  | 502.9  | 497.6  | 490.5  | 481.4  | 470.6  | 459.5 | 452.2 |
| 10°    | 559.9  | 566.0  | 558.5  | 553.3  | 548.5  | 539.5  | 528.9  | 515.8  | 502.7  | 487.4 | 475.8 |
| 12.5°  | 608.1  | 611.0  | 609.5  | 604.7  | 597.2  | 583.4  | 564.8  | 550.3  | 538.3  | 512.8 | 502.5 |
| 15°    | 673.6  | 684.8  | 677.6  | 661.1  | 661.4  | 648.3  | 624.0  | 597.2  | 583.0  | 560.6 | 530.2 |
| 17.5°  | 743.5  | 744.8  | 741.8  | 727.9  | 718.7  | 700.7  | 678.2  | 652.6  | 623.8  | 596.8 | 564.4 |
| 20°    | 780.6  | 779.5  | 773.1  | 765.9  | 750.0  | 736.0  | 711.5  | 682.9  | 645.9  | 619.3 | 584.1 |
| 22.5°  | 801.3  | 799.5  | 796.4  | 790.4  | 777.2  | 762.2  | 740.1  | 708.8  | 673.7  | 637.1 | 596.4 |
| 25°    | 799.5  | 801.8  | 802.2  | 800.6  | 796.0  | 787.0  | 769.6  | 744.7  | 709.6  | 662.5 | 620.1 |
| 27.5°  | 727.1  | 730.6  | 740.4  | 749.2  | 758.9  | 768.9  | 767.5  | 755.2  | 729.2  | 688.6 | 636.7 |
| 30°    | 654.8  | 647.4  | 665.7  | 688.7  | 704.4  | 732.1  | 747.6  | 748.5  | 734.0  | 699.1 | 648.5 |
| 32.5°  | 554.4  | 562.5  | 570.6  | 599.0  | 633.3  | 664.3  | 695.2  | 720.0  | 722.9  | 699.7 | 655.5 |
| 35°    | 430.7  | 440.9  | 455.7  | 470.4  | 507.3  | 539.1  | 593.3  | 640.6  | 678.2  | 683.2 | 656.1 |
| 37.5°  | 347.1  | 352.1  | 361.5  | 376.3  | 400.4  | 438.1  | 480.0  | 539.7  | 594.3  | 634.9 | 636.6 |
| 40°    | 303.4  | 304.9  | 315.4  | 326.6  | 346.2  | 377.2  | 415.0  | 467.9  | 533.1  | 589.9 | 613.5 |
| 42.5°  | 270.6  | 273.9  | 278.4  | 289.1  | 304.8  | 328.0  | 363.2  | 406.9  | 466.8  | 532.0 | 578.1 |
| 45°    | 232.5  | 236.2  | 239.0  | 246.2  | 257.3  | 273.0  | 297.5  | 337.4  | 382.9  | 450.3 | 512.5 |
| 47.5°  | 207.4  | 207.6  | 209.7  | 215.2  | 222.7  | 234.5  | 251.8  | 277.4  | 319.2  | 373.9 | 437.8 |
| 50°    | 189.3  | 192.3  | 193.1  | 197.3  | 203.2  | 211.8  | 226.2  | 248.0  | 282.3  | 330.3 | 389.0 |
| 52.5°  | 176.7  | 177.5  | 179.6  | 182.7  | 187.8  | 194.6  | 207.1  | 224.1  | 251.0  | 292.0 | 345.9 |
| 55°    | 158.0  | 158.0  | 160.0  | 162.4  | 165.3  | 171.4  | 179.7  | 192.3  | 212.8  | 244.5 | 289.2 |
| 57.5°  | 140.7  | 141.6  | 143.1  | 143.8  | 146.3  | 150.4  | 157.2  | 166.8  | 182.0  | 206.5 | 242.0 |
| 60°    | 129.2  | 130.9  | 130.6  | 132.1  | 134.4  | 137.5  | 143.4  | 151.1  | 164.8  | 184.3 | 214.3 |
| 62.5°  | 119.1  | 119.1  | 119.0  | 120.8  | 122.9  | 126.0  | 129.8  | 136.5  | 148.1  | 165.5 | 190.9 |
| 65°    | 102.6  | 102.3  | 103.5  | 104.6  | 105.4  | 107.6  | 110.5  | 116.5  | 124.2  | 137.1 | 156.9 |
| 67.5°  | 87.9   | 86.8   | 87.5   | 87.9   | 89.2   | 90.9   | 93.7   | 97.4   | 103.5  | 113.8 | 128.7 |
| 70°    | 77.9   | 76.9   | 76.8   | 77.2   | 78.3   | 79.5   | 81.6   | 85.1   | 90.8   | 99.1  | 110.0 |
| 72.5°  | 67.6   | 66.9   | 66.9   | 67.7   | 68.2   | 69.1   | 70.5   | 73.7   | 78.3   | 84.5  | 94.7  |
| 75°    | 52.8   | 52.8   | 52.8   | 53.0   | 53.6   | 54.3   | 55.4   | 57.0   | 60.5   | 65.0  | 71.8  |
| 77.5°  | 39.5   | 39.5   | 39.3   | 39.3   | 40.1   | 40.4   | 40.6   | 42.2   | 44.2   | 47.1  | 52.1  |
| 80°    | 31.0   | 30.1   | 30.4   | 31.0   | 31.4   | 31.5   | 32.1   | 32.5   | 34.1   | 35.8  | 39.3  |
| 82.5°  | 23.1   | 22.3   | 22.3   | 23.2   | 23.3   | 23.4   | 24.0   | 24.5   | 25.1   | 26.6  | 28.5  |
| 85°    | 12.2   | 12.2   | 12.4   | 12.4   | 12.5   | 12.4   | 12.9   | 13.1   | 13.1   | 14.0  | 15.1  |
| 87.5°  | 9.7    | 9.7    | 9.6    | 9.6    | 9.6    | 9.4    | 9.3    | 9.3    | 9.3    | 9.6   | 9.2   |
| 90°    | 26.7   | 27.6   | 26.7   | 25.7   | 26.7   | 24.9   | 23.9   | 23.0   | 22.1   | 23.0  | 20.3  |
| 92.5°  | 44.4   | 46.0   | 45.1   | 47.8   | 49.5   | 54.3   | 61.5   | 77.5   | 106.8  | 141.6 | 155.7 |
| 95°    | 106.8  | 110.4  | 116.9  | 125.2  | 142.7  | 175.8  | 224.6  | 331.4  | 442.7  | 545.8 | 486.0 |
| 97.5°  | 290.7  | 298.6  | 323.4  | 364.9  | 432.8  | 542.9  | 661.6  | 825.9  | 904.9  | 845.8 | 619.2 |
| 100°   | 577.1  | 576.2  | 612.0  | 679.2  | 772.2  | 902.9  | 1010.6 | 1085.1 | 1053.0 | 871.6 | 589.1 |
| 102.5° | 846.6  | 867.8  | 897.8  | 950.9  | 1023.3 | 1106.1 | 1168.9 | 1171.3 | 1060.3 | 823.8 | 544.9 |
| 105°   | 1170.8 | 1175.4 | 1204.8 | 1239.8 | 1282.1 | 1306.1 | 1288.6 | 1196.5 | 1004.2 | 740.0 | 490.6 |
| 107.5° | 1357.4 | 1365.9 | 1375.8 | 1387.6 | 1386.9 | 1354.1 | 1273.4 | 1123.9 | 905.9  | 666.0 | 456.0 |
| 110°   | 1434.0 | 1435.8 | 1437.7 | 1430.3 | 1404.5 | 1340.1 | 1224.2 | 1054.8 | 844.0  | 624.0 | 442.7 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°   | 40°   | 45°   | 50°   |
|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 112.5° | 1449.5 | 1449.1 | 1442.1 | 1419.3 | 1372.1 | 1289.3 | 1159.4 | 986.3 | 790.3 | 596.0 | 435.4 |
| 115°   | 1423.9 | 1419.3 | 1400.8 | 1360.3 | 1291.3 | 1191.0 | 1055.7 | 895.6 | 725.2 | 566.0 | 432.6 |
| 117.5° | 1342.5 | 1336.3 | 1309.7 | 1263.4 | 1191.4 | 1089.6 | 968.0  | 829.8 | 686.0 | 548.3 | 434.3 |
| 120°   | 1274.8 | 1269.2 | 1247.1 | 1195.6 | 1122.9 | 1029.9 | 919.5  | 795.2 | 665.4 | 540.3 | 437.2 |
| 122.5° | 1211.4 | 1204.4 | 1180.1 | 1133.8 | 1069.1 | 982.8  | 880.4  | 767.9 | 648.5 | 535.1 | 442.4 |
| 125°   | 1122.9 | 1116.4 | 1093.4 | 1053.0 | 994.0  | 920.4  | 832.0  | 731.7 | 626.8 | 528.3 | 450.0 |
| 127.5° | 1050.0 | 1044.1 | 1023.3 | 988.7  | 936.2  | 869.2  | 789.5  | 700.1 | 607.7 | 525.0 | 458.9 |
| 130°   | 1008.8 | 1001.4 | 982.1  | 949.0  | 900.2  | 837.6  | 763.0  | 680.2 | 597.3 | 522.8 | 464.8 |
| 132.5° | 968.3  | 963.1  | 945.9  | 912.8  | 867.0  | 807.4  | 738.0  | 661.8 | 587.8 | 522.0 | 469.2 |
| 135°   | 910.3  | 903.8  | 887.2  | 859.7  | 814.5  | 762.1  | 702.3  | 636.9 | 575.3 | 520.9 | 475.9 |
| 137.5° | 849.0  | 844.7  | 830.8  | 802.8  | 764.9  | 719.4  | 667.8  | 614.3 | 564.4 | 518.9 | 480.3 |
| 140°   | 806.3  | 807.2  | 792.5  | 766.7  | 731.7  | 692.1  | 647.9  | 601.0 | 557.8 | 518.2 | 483.2 |
| 142.5° | 766.5  | 767.4  | 754.2  | 731.3  | 701.6  | 667.1  | 628.8  | 588.5 | 551.8 | 516.7 | 485.4 |
| 145°   | 711.5  | 709.6  | 702.3  | 682.9  | 659.9  | 633.3  | 603.8  | 573.4 | 544.0 | 514.5 | 486.9 |
| 147.5° | 666.1  | 665.4  | 658.5  | 645.4  | 627.9  | 609.0  | 585.2  | 561.1 | 536.2 | 511.0 | 486.9 |
| 150°   | 639.7  | 639.7  | 634.1  | 624.0  | 610.2  | 592.7  | 573.4  | 552.2 | 531.1 | 508.0 | 486.9 |
| 152.5° | 617.6  | 617.6  | 614.3  | 604.9  | 594.1  | 579.5  | 562.4  | 544.2 | 525.2 | 504.4 | 484.7 |
| 155°   | 589.9  | 589.1  | 587.2  | 579.9  | 571.6  | 560.5  | 546.7  | 532.0 | 516.3 | 498.0 | 482.3 |
| 157.5° | 564.7  | 564.9  | 563.5  | 557.9  | 550.7  | 542.1  | 531.5  | 519.1 | 506.4 | 492.3 | 479.2 |
| 160°   | 548.6  | 549.5  | 549.5  | 544.0  | 537.5  | 531.1  | 521.9  | 511.7 | 499.8 | 487.8 | 477.7 |
| 162.5° | 533.9  | 534.7  | 534.7  | 530.0  | 525.7  | 520.0  | 511.6  | 502.9 | 493.1 | 483.4 | 474.8 |
| 165°   | 514.5  | 514.5  | 515.4  | 511.7  | 508.0  | 503.4  | 497.0  | 491.5 | 484.1 | 476.7 | 470.3 |
| 167.5° | 496.1  | 496.1  | 497.0  | 494.4  | 492.8  | 489.5  | 485.8  | 481.6 | 475.5 | 470.2 | 465.9 |
| 170°   | 485.1  | 485.1  | 486.0  | 484.1  | 483.2  | 481.3  | 477.7  | 474.9 | 470.3 | 465.7 | 463.0 |
| 172.5° | 474.8  | 475.5  | 477.1  | 475.3  | 475.1  | 474.0  | 471.0  | 469.1 | 465.2 | 462.0 | 460.7 |
| 175°   | 463.0  | 463.9  | 464.8  | 463.9  | 463.9  | 463.9  | 462.0  | 461.1 | 459.3 | 457.4 | 457.4 |
| 177.5° | 456.1  | 456.1  | 457.6  | 456.9  | 457.6  | 457.6  | 456.9  | 456.1 | 455.4 | 454.7 | 455.4 |
| 180°   | 454.7  | 454.7  | 454.7  | 454.7  | 454.7  | 454.7  | 454.7  | 454.7 | 454.7 | 454.7 | 454.7 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 380.9 | 380.9 | 380.9 | 380.9 | 380.9 | 380.9 | 380.9 | 380.9 | 380.9 | 380.9 | 380.9 |
| 2.5°   | 392.7 | 391.6 | 390.4 | 388.3 | 386.5 | 384.0 | 383.3 | 382.4 | 379.7 | 377.4 | 375.6 |
| 5°     | 416.7 | 412.3 | 405.8 | 399.9 | 395.1 | 388.6 | 385.0 | 381.1 | 375.6 | 370.6 | 366.5 |
| 7.5°   | 441.8 | 433.1 | 423.0 | 412.3 | 402.1 | 392.4 | 384.5 | 377.5 | 369.7 | 362.4 | 356.6 |
| 10°    | 461.8 | 449.2 | 435.1 | 420.0 | 407.1 | 394.6 | 384.0 | 374.9 | 364.9 | 356.2 | 349.0 |
| 12.5°  | 484.5 | 465.9 | 446.6 | 428.2 | 412.9 | 395.5 | 382.7 | 371.0 | 359.7 | 349.3 | 341.2 |
| 15°    | 511.4 | 487.7 | 464.9 | 439.6 | 416.4 | 394.6 | 379.5 | 364.6 | 351.6 | 340.9 | 330.5 |
| 17.5°  | 535.9 | 509.1 | 479.0 | 448.2 | 420.2 | 394.3 | 373.2 | 356.5 | 340.1 | 327.0 | 316.7 |
| 20°    | 549.8 | 519.4 | 485.2 | 453.3 | 422.2 | 393.5 | 370.2 | 350.3 | 332.6 | 318.7 | 307.1 |
| 22.5°  | 561.7 | 526.1 | 490.8 | 456.6 | 422.1 | 391.1 | 364.7 | 344.2 | 325.0 | 311.5 | 299.1 |
| 25°    | 574.2 | 531.5 | 496.1 | 456.1 | 417.5 | 385.3 | 355.8 | 332.6 | 313.4 | 297.5 | 284.8 |
| 27.5°  | 584.8 | 531.2 | 489.1 | 446.0 | 410.1 | 378.0 | 346.4 | 321.5 | 301.1 | 283.8 | 270.9 |
| 30°    | 591.8 | 531.9 | 481.9 | 439.3 | 403.1 | 369.9 | 339.2 | 314.1 | 292.7 | 275.2 | 263.0 |
| 32.5°  | 596.3 | 531.4 | 475.2 | 429.8 | 391.8 | 362.4 | 331.4 | 305.4 | 283.4 | 266.2 | 254.4 |
| 35°    | 598.9 | 528.1 | 463.7 | 410.3 | 373.8 | 345.1 | 319.1 | 292.2 | 269.1 | 253.0 | 239.7 |
| 37.5°  | 593.7 | 521.3 | 450.5 | 391.4 | 351.4 | 323.3 | 301.3 | 278.5 | 256.4 | 238.7 | 227.2 |
| 40°    | 585.6 | 516.9 | 440.1 | 378.1 | 336.0 | 309.0 | 290.3 | 267.8 | 246.0 | 229.2 | 218.5 |
| 42.5°  | 570.1 | 507.9 | 428.8 | 363.4 | 320.1 | 293.0 | 275.8 | 257.0 | 236.4 | 220.6 | 209.9 |
| 45°    | 532.3 | 488.3 | 411.7 | 341.3 | 296.6 | 268.5 | 253.4 | 239.7 | 221.1 | 205.8 | 196.5 |
| 47.5°  | 479.7 | 458.8 | 387.1 | 317.9 | 272.0 | 245.0 | 229.3 | 218.3 | 204.7 | 192.3 | 183.5 |
| 50°    | 443.3 | 434.6 | 370.4 | 301.9 | 255.6 | 229.2 | 214.0 | 204.1 | 194.3 | 182.0 | 173.9 |
| 52.5°  | 401.2 | 406.5 | 350.9 | 285.4 | 238.9 | 212.9 | 198.8 | 190.8 | 182.0 | 171.7 | 164.7 |
| 55°    | 342.0 | 361.3 | 317.3 | 257.6 | 214.0 | 189.3 | 175.9 | 168.9 | 163.7 | 156.1 | 150.0 |
| 57.5°  | 286.5 | 311.2 | 280.8 | 229.0 | 189.6 | 168.3 | 155.4 | 147.8 | 144.5 | 140.5 | 135.7 |
| 60°    | 253.6 | 277.9 | 254.8 | 209.8 | 173.3 | 153.0 | 141.6 | 135.1 | 131.7 | 129.0 | 124.9 |
| 62.5°  | 224.2 | 248.8 | 229.5 | 190.4 | 157.2 | 138.4 | 128.4 | 122.1 | 119.5 | 118.1 | 114.6 |
| 65°    | 183.8 | 205.0 | 192.1 | 160.0 | 134.2 | 117.6 | 108.5 | 104.1 | 101.7 | 101.2 | 98.9  |
| 67.5°  | 149.6 | 165.7 | 156.4 | 132.7 | 112.4 | 98.1  | 90.4  | 86.6  | 84.8  | 84.5  | 82.9  |
| 70°    | 127.1 | 142.3 | 135.1 | 113.7 | 96.2  | 84.9  | 78.3  | 74.9  | 73.8  | 73.7  | 72.7  |
| 72.5°  | 109.7 | 120.3 | 114.5 | 96.7  | 83.2  | 73.0  | 68.0  | 64.6  | 63.4  | 63.6  | 63.0  |
| 75°    | 81.2  | 89.1  | 85.8  | 73.4  | 62.6  | 55.9  | 51.9  | 49.7  | 48.6  | 49.1  | 48.3  |
| 77.5°  | 58.5  | 63.5  | 60.4  | 51.9  | 45.2  | 40.4  | 37.4  | 36.0  | 35.0  | 35.0  | 34.7  |
| 80°    | 44.1  | 47.1  | 45.4  | 40.2  | 34.7  | 30.7  | 28.2  | 27.3  | 26.8  | 26.5  | 26.4  |
| 82.5°  | 31.4  | 33.9  | 31.9  | 28.4  | 24.6  | 22.2  | 20.8  | 19.6  | 19.3  | 19.3  | 19.2  |
| 85°    | 15.8  | 16.8  | 16.1  | 13.9  | 12.4  | 11.2  | 10.5  | 10.0  | 9.6   | 9.7   | 9.4   |
| 87.5°  | 9.0   | 8.6   | 7.5   | 6.6   | 5.9   | 4.9   | 4.6   | 3.9   | 4.0   | 4.4   | 4.8   |
| 90°    | 17.5  | 14.7  | 12.0  | 10.1  | 8.3   | 5.5   | 3.6   | 1.8   | 3.6   | 5.5   | 8.3   |
| 92.5°  | 116.9 | 77.3  | 53.2  | 39.6  | 31.8  | 24.6  | 17.0  | 11.4  | 17.0  | 24.6  | 31.8  |
| 95°    | 335.0 | 197.9 | 119.6 | 83.7  | 59.8  | 44.2  | 34.1  | 31.3  | 34.1  | 44.2  | 59.8  |
| 97.5°  | 367.6 | 213.0 | 138.2 | 99.4  | 75.8  | 62.2  | 54.3  | 53.4  | 54.3  | 62.2  | 75.8  |
| 100°   | 347.0 | 210.8 | 146.3 | 110.4 | 88.3  | 75.5  | 69.0  | 68.1  | 69.0  | 75.5  | 88.3  |
| 102.5° | 329.3 | 213.7 | 155.9 | 122.9 | 103.1 | 90.9  | 85.2  | 83.6  | 85.2  | 90.9  | 103.1 |
| 105°   | 316.6 | 221.8 | 172.1 | 143.5 | 126.1 | 115.0 | 109.6 | 106.8 | 109.6 | 115.0 | 126.1 |
| 107.5° | 315.7 | 236.9 | 193.3 | 166.8 | 150.4 | 139.5 | 134.2 | 131.4 | 134.2 | 139.5 | 150.4 |
| 110°   | 319.4 | 249.5 | 208.0 | 182.2 | 166.6 | 156.5 | 151.9 | 149.1 | 151.9 | 156.5 | 166.6 |





TEST NUMBER: P331903-927

CATALOG NUMBER: S123DIP-S340D1195U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 326.8 | 262.0 | 223.5 | 198.4 | 182.8 | 172.7 | 168.1 | 165.3 | 168.1 | 172.7 | 182.8 |
| 115°   | 338.7 | 282.6 | 247.6 | 222.8 | 207.1 | 197.9 | 192.3 | 188.7 | 192.3 | 197.9 | 207.1 |
| 117.5° | 354.5 | 304.4 | 269.9 | 246.8 | 229.3 | 220.9 | 216.3 | 212.1 | 216.3 | 220.9 | 229.3 |
| 120°   | 366.3 | 318.5 | 285.3 | 262.3 | 244.9 | 235.6 | 231.0 | 228.2 | 231.0 | 235.6 | 244.9 |
| 122.5° | 377.4 | 333.2 | 300.8 | 276.3 | 259.5 | 249.6 | 245.0 | 242.2 | 245.0 | 249.6 | 259.5 |
| 125°   | 394.8 | 354.3 | 322.1 | 297.3 | 279.8 | 269.7 | 264.2 | 262.3 | 264.2 | 269.7 | 279.8 |
| 127.5° | 409.2 | 372.7 | 341.7 | 316.8 | 297.5 | 287.2 | 280.4 | 277.6 | 280.4 | 287.2 | 297.5 |
| 130°   | 418.7 | 383.8 | 353.4 | 328.6 | 309.3 | 298.2 | 289.9 | 287.2 | 289.9 | 298.2 | 309.3 |
| 132.5° | 427.6 | 393.4 | 363.8 | 339.6 | 320.3 | 307.0 | 298.0 | 294.5 | 298.0 | 307.0 | 320.3 |
| 135°   | 439.0 | 407.7 | 379.2 | 354.3 | 335.0 | 321.2 | 311.1 | 307.4 | 311.1 | 321.2 | 335.0 |
| 137.5° | 447.5 | 417.6 | 390.2 | 367.3 | 348.1 | 333.4 | 323.4 | 319.6 | 323.4 | 333.4 | 348.1 |
| 140°   | 451.9 | 424.3 | 397.6 | 374.6 | 356.2 | 341.4 | 332.2 | 327.6 | 332.2 | 341.4 | 356.2 |
| 142.5° | 456.3 | 429.4 | 403.5 | 382.0 | 363.5 | 350.3 | 340.4 | 336.5 | 340.4 | 350.3 | 363.5 |
| 145°   | 461.1 | 436.3 | 412.3 | 391.2 | 375.5 | 361.7 | 353.4 | 350.7 | 353.4 | 361.7 | 375.5 |
| 147.5° | 464.1 | 441.8 | 419.9 | 401.9 | 386.7 | 374.8 | 366.7 | 365.0 | 366.7 | 374.8 | 386.7 |
| 150°   | 464.8 | 445.4 | 424.3 | 407.7 | 394.8 | 382.9 | 375.5 | 374.6 | 375.5 | 382.9 | 394.8 |
| 152.5° | 466.3 | 447.7 | 429.4 | 413.6 | 402.2 | 391.7 | 384.4 | 384.2 | 384.4 | 391.7 | 402.2 |
| 155°   | 466.7 | 451.9 | 436.3 | 423.3 | 413.3 | 404.1 | 398.5 | 398.5 | 398.5 | 404.1 | 413.3 |
| 157.5° | 467.5 | 454.3 | 441.8 | 431.8 | 423.2 | 415.1 | 410.7 | 410.0 | 410.7 | 415.1 | 423.2 |
| 160°   | 467.5 | 456.5 | 445.4 | 436.3 | 429.8 | 422.5 | 418.7 | 418.7 | 418.7 | 422.5 | 429.8 |
| 162.5° | 466.8 | 457.2 | 447.7 | 440.0 | 434.3 | 428.3 | 425.4 | 425.4 | 425.4 | 428.3 | 434.3 |
| 165°   | 464.8 | 458.4 | 451.0 | 444.6 | 440.8 | 436.3 | 434.4 | 435.4 | 434.4 | 436.3 | 440.8 |
| 167.5° | 463.3 | 458.2 | 452.8 | 448.8 | 446.2 | 442.7 | 441.8 | 442.9 | 441.8 | 442.7 | 446.2 |
| 170°   | 461.1 | 457.4 | 452.8 | 451.0 | 449.2 | 446.4 | 445.4 | 447.3 | 445.4 | 446.4 | 449.2 |
| 172.5° | 460.4 | 457.4 | 453.6 | 452.5 | 451.4 | 449.3 | 449.2 | 450.3 | 449.2 | 449.3 | 451.4 |
| 175°   | 458.4 | 456.5 | 454.7 | 453.8 | 453.8 | 451.9 | 452.8 | 453.8 | 452.8 | 451.9 | 453.8 |
| 177.5° | 456.9 | 455.4 | 454.7 | 454.7 | 454.7 | 453.9 | 454.7 | 455.4 | 454.7 | 453.9 | 454.7 |
| 180°   | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 |



TEST NUMBER: P331903-927

CATALOG NUMBER: S123DIP-S340D1195U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°   | 145°   | 150°   | 155°   | 160°   |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 0°     | 380.9 | 380.9 | 380.9 | 380.9 | 380.9 | 380.9 | 380.9  | 380.9  | 380.9  | 380.9  | 380.9  |
| 2.5°   | 374.5 | 373.5 | 372.1 | 369.9 | 368.0 | 365.3 | 365.3  | 365.7  | 365.7  | 365.6  | 365.3  |
| 5°     | 363.2 | 360.4 | 357.1 | 353.2 | 349.2 | 345.1 | 344.4  | 342.9  | 341.8  | 341.0  | 340.2  |
| 7.5°   | 351.2 | 346.3 | 341.4 | 336.0 | 331.1 | 327.0 | 324.2  | 321.8  | 320.3  | 318.6  | 317.4  |
| 10°    | 343.1 | 337.0 | 331.3 | 325.6 | 319.2 | 314.3 | 311.2  | 309.0  | 307.3  | 305.8  | 305.1  |
| 12.5°  | 333.5 | 326.5 | 320.2 | 314.7 | 307.9 | 302.8 | 299.8  | 298.7  | 296.8  | 293.7  | 292.1  |
| 15°    | 319.5 | 313.0 | 305.5 | 297.1 | 293.8 | 287.6 | 284.0  | 282.3  | 281.2  | 278.8  | 278.1  |
| 17.5°  | 307.4 | 299.0 | 290.5 | 284.3 | 278.1 | 273.1 | 271.1  | 269.0  | 267.6  | 265.6  | 265.0  |
| 20°    | 297.9 | 290.3 | 282.6 | 275.9 | 269.4 | 263.9 | 262.2  | 260.8  | 259.3  | 258.4  | 257.6  |
| 22.5°  | 288.1 | 280.6 | 274.1 | 267.9 | 261.0 | 257.4 | 255.6  | 254.0  | 252.9  | 252.3  | 251.6  |
| 25°    | 274.4 | 267.8 | 260.5 | 255.1 | 249.5 | 247.1 | 246.0  | 245.1  | 244.3  | 243.4  | 243.2  |
| 27.5°  | 262.2 | 254.9 | 249.1 | 243.9 | 240.0 | 238.0 | 236.9  | 236.5  | 236.6  | 236.9  | 237.2  |
| 30°    | 253.0 | 246.4 | 241.6 | 237.2 | 233.5 | 231.6 | 231.4  | 231.4  | 232.2  | 232.3  | 232.7  |
| 32.5°  | 244.6 | 239.2 | 234.3 | 230.0 | 227.3 | 226.0 | 226.7  | 226.7  | 227.3  | 227.8  | 228.5  |
| 35°    | 232.3 | 227.5 | 223.9 | 220.1 | 217.8 | 218.3 | 218.7  | 219.0  | 220.0  | 221.1  | 221.8  |
| 37.5°  | 220.6 | 216.5 | 212.6 | 209.8 | 208.7 | 209.6 | 210.6  | 211.3  | 212.4  | 213.3  | 214.0  |
| 40°    | 212.2 | 209.1 | 205.4 | 202.8 | 203.2 | 203.7 | 204.5  | 205.4  | 206.4  | 206.9  | 207.6  |
| 42.5°  | 204.4 | 201.1 | 198.3 | 196.1 | 196.7 | 197.4 | 197.8  | 198.3  | 199.4  | 200.4  | 200.8  |
| 45°    | 192.5 | 189.9 | 187.4 | 186.0 | 186.4 | 186.8 | 187.1  | 187.7  | 188.6  | 189.3  | 189.6  |
| 47.5°  | 179.1 | 177.3 | 175.5 | 174.3 | 174.9 | 174.8 | 175.2  | 176.4  | 176.7  | 177.1  | 178.2  |
| 50°    | 170.6 | 168.9 | 166.8 | 166.4 | 166.4 | 166.4 | 166.7  | 168.1  | 168.1  | 168.9  | 169.6  |
| 52.5°  | 161.1 | 160.0 | 158.8 | 158.0 | 157.7 | 157.7 | 158.5  | 159.2  | 159.5  | 160.6  | 161.4  |
| 55°    | 147.1 | 146.0 | 144.9 | 144.3 | 143.9 | 144.3 | 145.8  | 146.2  | 147.1  | 147.7  | 148.2  |
| 57.5°  | 132.5 | 131.7 | 130.8 | 130.5 | 130.4 | 130.9 | 131.7  | 132.8  | 133.0  | 134.8  | 135.5  |
| 60°    | 122.9 | 121.6 | 120.9 | 120.9 | 120.5 | 122.2 | 121.8  | 123.7  | 124.1  | 125.2  | 126.4  |
| 62.5°  | 113.0 | 111.3 | 111.0 | 111.0 | 111.5 | 112.0 | 112.5  | 113.3  | 114.3  | 115.7  | 116.7  |
| 65°    | 97.0  | 96.2  | 97.4  | 97.3  | 96.9  | 98.0  | 98.0   | 98.9   | 100.1  | 101.3  | 103.4  |
| 67.5°  | 82.0  | 81.5  | 81.6  | 81.6  | 82.1  | 82.8  | 83.3   | 84.1   | 85.5   | 86.8   | 88.2   |
| 70°    | 71.8  | 72.3  | 71.5  | 72.2  | 72.7  | 72.9  | 73.3   | 74.4   | 75.8   | 76.8   | 78.3   |
| 72.5°  | 61.9  | 61.9  | 61.9  | 62.3  | 62.8  | 63.1  | 63.5   | 64.8   | 66.4   | 67.2   | 68.4   |
| 75°    | 47.6  | 47.5  | 48.0  | 48.0  | 48.9  | 49.3  | 49.7   | 50.2   | 51.7   | 52.8   | 53.7   |
| 77.5°  | 34.8  | 35.0  | 34.9  | 35.5  | 35.3  | 35.3  | 36.4   | 37.0   | 37.2   | 39.4   | 39.8   |
| 80°    | 26.2  | 26.5  | 26.8  | 26.9  | 27.1  | 26.8  | 28.0   | 28.6   | 28.6   | 29.9   | 30.8   |
| 82.5°  | 18.9  | 19.0  | 19.5  | 19.7  | 19.7  | 20.1  | 20.2   | 20.6   | 21.1   | 21.6   | 22.8   |
| 85°    | 9.4   | 10.0  | 10.1  | 10.0  | 10.1  | 9.7   | 10.3   | 10.5   | 10.7   | 10.7   | 10.7   |
| 87.5°  | 5.0   | 5.5   | 5.9   | 6.6   | 7.0   | 7.7   | 7.5    | 7.4    | 7.6    | 8.2    | 8.0    |
| 90°    | 10.1  | 12.0  | 14.7  | 17.5  | 20.3  | 23.0  | 22.1   | 23.0   | 23.9   | 24.9   | 26.7   |
| 92.5°  | 39.6  | 53.2  | 77.3  | 116.9 | 155.7 | 141.6 | 106.8  | 77.5   | 61.5   | 54.3   | 49.5   |
| 95°    | 83.7  | 119.6 | 197.9 | 335.0 | 486.0 | 545.8 | 442.7  | 331.4  | 224.6  | 175.8  | 142.7  |
| 97.5°  | 99.4  | 138.2 | 213.0 | 367.6 | 619.2 | 845.8 | 904.9  | 825.9  | 661.6  | 542.9  | 432.8  |
| 100°   | 110.4 | 146.3 | 210.8 | 347.0 | 589.1 | 871.6 | 1053.0 | 1085.1 | 1010.6 | 902.9  | 772.2  |
| 102.5° | 122.9 | 155.9 | 213.7 | 329.3 | 544.9 | 823.8 | 1060.3 | 1171.3 | 1168.9 | 1106.1 | 1023.3 |
| 105°   | 143.5 | 172.1 | 221.8 | 316.6 | 490.6 | 740.0 | 1004.2 | 1196.5 | 1288.6 | 1306.1 | 1282.1 |
| 107.5° | 166.8 | 193.3 | 236.9 | 315.7 | 456.0 | 666.0 | 905.9  | 1123.9 | 1273.4 | 1354.1 | 1386.9 |
| 110°   | 182.2 | 208.0 | 249.5 | 319.4 | 442.7 | 624.0 | 844.0  | 1054.8 | 1224.2 | 1340.1 | 1404.5 |



TEST NUMBER: P331903-927

CATALOG NUMBER: S123DIP-S340D1195U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°   | 155°   | 160°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 112.5° | 198.4 | 223.5 | 262.0 | 326.8 | 435.4 | 596.0 | 790.3 | 986.3 | 1159.4 | 1289.3 | 1372.1 |
| 115°   | 222.8 | 247.6 | 282.6 | 338.7 | 432.6 | 566.0 | 725.2 | 895.6 | 1055.7 | 1191.0 | 1291.3 |
| 117.5° | 246.8 | 269.9 | 304.4 | 354.5 | 434.3 | 548.3 | 686.0 | 829.8 | 968.0  | 1089.6 | 1191.4 |
| 120°   | 262.3 | 285.3 | 318.5 | 366.3 | 437.2 | 540.3 | 665.4 | 795.2 | 919.5  | 1029.9 | 1122.9 |
| 122.5° | 276.3 | 300.8 | 333.2 | 377.4 | 442.4 | 535.1 | 648.5 | 767.9 | 880.4  | 982.8  | 1069.1 |
| 125°   | 297.3 | 322.1 | 354.3 | 394.8 | 450.0 | 528.3 | 626.8 | 731.7 | 832.0  | 920.4  | 994.0  |
| 127.5° | 316.8 | 341.7 | 372.7 | 409.2 | 458.9 | 525.0 | 607.7 | 700.1 | 789.5  | 869.2  | 936.2  |
| 130°   | 328.6 | 353.4 | 383.8 | 418.7 | 464.8 | 522.8 | 597.3 | 680.2 | 763.0  | 837.6  | 900.2  |
| 132.5° | 339.6 | 363.8 | 393.4 | 427.6 | 469.2 | 522.0 | 587.8 | 661.8 | 738.0  | 807.4  | 867.0  |
| 135°   | 354.3 | 379.2 | 407.7 | 439.0 | 475.9 | 520.9 | 575.3 | 636.9 | 702.3  | 762.1  | 814.5  |
| 137.5° | 367.3 | 390.2 | 417.6 | 447.5 | 480.3 | 518.9 | 564.4 | 614.3 | 667.8  | 719.4  | 764.9  |
| 140°   | 374.6 | 397.6 | 424.3 | 451.9 | 483.2 | 518.2 | 557.8 | 601.0 | 647.9  | 692.1  | 731.7  |
| 142.5° | 382.0 | 403.5 | 429.4 | 456.3 | 485.4 | 516.7 | 551.8 | 588.5 | 628.8  | 667.1  | 701.6  |
| 145°   | 391.2 | 412.3 | 436.3 | 461.1 | 486.9 | 514.5 | 544.0 | 573.4 | 603.8  | 633.3  | 659.9  |
| 147.5° | 401.9 | 419.9 | 441.8 | 464.1 | 486.9 | 511.0 | 536.2 | 561.1 | 585.2  | 609.0  | 627.9  |
| 150°   | 407.7 | 424.3 | 445.4 | 464.8 | 486.9 | 508.0 | 531.1 | 552.2 | 573.4  | 592.7  | 610.2  |
| 152.5° | 413.6 | 429.4 | 447.7 | 466.3 | 484.7 | 504.4 | 525.2 | 544.2 | 562.4  | 579.5  | 594.1  |
| 155°   | 423.3 | 436.3 | 451.9 | 466.7 | 482.3 | 498.0 | 516.3 | 532.0 | 546.7  | 560.5  | 571.6  |
| 157.5° | 431.8 | 441.8 | 454.3 | 467.5 | 479.2 | 492.3 | 506.4 | 519.1 | 531.5  | 542.1  | 550.7  |
| 160°   | 436.3 | 445.4 | 456.5 | 467.5 | 477.7 | 487.8 | 499.8 | 511.7 | 521.9  | 531.1  | 537.5  |
| 162.5° | 440.0 | 447.7 | 457.2 | 466.8 | 474.8 | 483.4 | 493.1 | 502.9 | 511.6  | 520.0  | 525.7  |
| 165°   | 444.6 | 451.0 | 458.4 | 464.8 | 470.3 | 476.7 | 484.1 | 491.5 | 497.0  | 503.4  | 508.0  |
| 167.5° | 448.8 | 452.8 | 458.2 | 463.3 | 465.9 | 470.2 | 475.5 | 481.6 | 485.8  | 489.5  | 492.8  |
| 170°   | 451.0 | 452.8 | 457.4 | 461.1 | 463.0 | 465.7 | 470.3 | 474.9 | 477.7  | 481.3  | 483.2  |
| 172.5° | 452.5 | 453.6 | 457.4 | 460.4 | 460.7 | 462.0 | 465.2 | 469.1 | 471.0  | 474.0  | 475.1  |
| 175°   | 453.8 | 454.7 | 456.5 | 458.4 | 457.4 | 457.4 | 459.3 | 461.1 | 462.0  | 463.9  | 463.9  |
| 177.5° | 454.7 | 454.7 | 455.4 | 456.9 | 455.4 | 454.7 | 455.4 | 456.1 | 456.9  | 457.6  | 457.6  |
| 180°   | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 | 454.7  | 454.7  | 454.7  |



TEST NUMBER: P331903-927

CATALOG NUMBER: S123DIP-S340D1195U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 380.9  | 380.9  | 380.9  | 380.9  | 380.9  | 380.9  | 380.9  | 380.9  | 380.9  | 380.9  | 380.9  |
| 2.5°   | 364.2  | 364.1  | 365.1  | 364.4  | 365.1  | 364.1  | 364.2  | 365.3  | 365.6  | 365.7  | 365.7  |
| 5°     | 339.1  | 339.6  | 337.7  | 337.7  | 337.7  | 339.6  | 339.1  | 340.2  | 341.0  | 341.8  | 342.9  |
| 7.5°   | 316.6  | 315.8  | 315.8  | 314.8  | 315.8  | 315.8  | 316.6  | 317.4  | 318.6  | 320.3  | 321.8  |
| 10°    | 302.9  | 301.7  | 301.3  | 301.6  | 301.3  | 301.7  | 302.9  | 305.1  | 305.8  | 307.3  | 309.0  |
| 12.5°  | 291.4  | 291.3  | 288.8  | 288.8  | 288.8  | 291.3  | 291.4  | 292.1  | 293.7  | 296.8  | 298.7  |
| 15°    | 278.1  | 274.6  | 274.3  | 275.4  | 274.3  | 274.6  | 278.1  | 278.1  | 278.8  | 281.2  | 282.3  |
| 17.5°  | 264.7  | 262.8  | 263.0  | 262.4  | 263.0  | 262.8  | 264.7  | 265.0  | 265.6  | 267.6  | 269.0  |
| 20°    | 257.6  | 256.5  | 256.4  | 255.1  | 256.4  | 256.5  | 257.6  | 257.6  | 258.4  | 259.3  | 260.8  |
| 22.5°  | 251.1  | 250.8  | 250.9  | 249.5  | 250.9  | 250.8  | 251.1  | 251.6  | 252.3  | 252.9  | 254.0  |
| 25°    | 243.0  | 244.0  | 243.2  | 243.2  | 243.2  | 244.0  | 243.0  | 243.2  | 243.4  | 244.3  | 245.1  |
| 27.5°  | 237.6  | 237.6  | 237.2  | 237.2  | 237.2  | 237.6  | 237.6  | 237.2  | 236.9  | 236.6  | 236.5  |
| 30°    | 233.5  | 233.3  | 233.6  | 233.6  | 233.6  | 233.3  | 233.5  | 232.7  | 232.3  | 232.2  | 231.4  |
| 32.5°  | 229.3  | 229.6  | 229.7  | 229.8  | 229.7  | 229.6  | 229.3  | 228.5  | 227.8  | 227.3  | 226.7  |
| 35°    | 222.9  | 223.2  | 223.7  | 223.3  | 223.7  | 223.2  | 222.9  | 221.8  | 221.1  | 220.0  | 219.0  |
| 37.5°  | 214.3  | 215.2  | 215.0  | 215.2  | 215.0  | 215.2  | 214.3  | 214.0  | 213.3  | 212.4  | 211.3  |
| 40°    | 207.8  | 208.3  | 208.2  | 208.2  | 208.2  | 208.3  | 207.8  | 207.6  | 206.9  | 206.4  | 205.4  |
| 42.5°  | 201.1  | 201.5  | 201.1  | 200.8  | 201.1  | 201.5  | 201.1  | 200.8  | 200.4  | 199.4  | 198.3  |
| 45°    | 190.3  | 189.9  | 190.4  | 189.7  | 190.4  | 189.9  | 190.3  | 189.6  | 189.3  | 188.6  | 187.7  |
| 47.5°  | 178.1  | 178.5  | 178.6  | 179.2  | 178.6  | 178.5  | 178.1  | 178.2  | 177.1  | 176.7  | 176.4  |
| 50°    | 170.0  | 171.1  | 171.1  | 170.9  | 171.1  | 171.1  | 170.0  | 169.6  | 168.9  | 168.1  | 168.1  |
| 52.5°  | 162.0  | 162.5  | 163.3  | 163.2  | 163.3  | 162.5  | 162.0  | 161.4  | 160.6  | 159.5  | 159.2  |
| 55°    | 149.6  | 150.0  | 150.4  | 150.6  | 150.4  | 150.0  | 149.6  | 148.2  | 147.7  | 147.1  | 146.2  |
| 57.5°  | 136.9  | 136.7  | 137.6  | 137.9  | 137.6  | 136.7  | 136.9  | 135.5  | 134.8  | 133.0  | 132.8  |
| 60°    | 127.9  | 127.9  | 129.4  | 129.9  | 129.4  | 127.9  | 127.9  | 126.4  | 125.2  | 124.1  | 123.7  |
| 62.5°  | 118.3  | 118.9  | 120.3  | 119.6  | 120.3  | 118.9  | 118.3  | 116.7  | 115.7  | 114.3  | 113.3  |
| 65°    | 104.3  | 105.8  | 105.6  | 106.3  | 105.6  | 105.8  | 104.3  | 103.4  | 101.3  | 100.1  | 98.9   |
| 67.5°  | 89.6   | 90.5   | 91.9   | 92.0   | 91.9   | 90.5   | 89.6   | 88.2   | 86.8   | 85.5   | 84.1   |
| 70°    | 79.7   | 80.6   | 81.4   | 81.9   | 81.4   | 80.6   | 79.7   | 78.3   | 76.8   | 75.8   | 74.4   |
| 72.5°  | 70.1   | 70.6   | 72.4   | 71.6   | 72.4   | 70.6   | 70.1   | 68.4   | 67.2   | 66.4   | 64.8   |
| 75°    | 55.0   | 56.3   | 57.4   | 56.9   | 57.4   | 56.3   | 55.0   | 53.7   | 52.8   | 51.7   | 50.2   |
| 77.5°  | 40.6   | 42.0   | 42.5   | 42.0   | 42.5   | 42.0   | 40.6   | 39.8   | 39.4   | 37.2   | 37.0   |
| 80°    | 32.1   | 31.9   | 33.0   | 32.9   | 33.0   | 31.9   | 32.1   | 30.8   | 29.9   | 28.6   | 28.6   |
| 82.5°  | 23.5   | 23.4   | 23.8   | 24.0   | 23.8   | 23.4   | 23.5   | 22.8   | 21.6   | 21.1   | 20.6   |
| 85°    | 11.4   | 12.0   | 11.2   | 11.1   | 11.2   | 12.0   | 11.4   | 10.7   | 10.7   | 10.7   | 10.5   |
| 87.5°  | 7.8    | 8.0    | 8.0    | 7.7    | 8.0    | 8.0    | 7.8    | 8.0    | 8.2    | 7.6    | 7.4    |
| 90°    | 25.7   | 26.7   | 27.6   | 26.7   | 27.6   | 26.7   | 25.7   | 26.7   | 24.9   | 23.9   | 23.0   |
| 92.5°  | 47.8   | 45.1   | 46.0   | 44.4   | 46.0   | 45.1   | 47.8   | 49.5   | 54.3   | 61.5   | 77.5   |
| 95°    | 125.2  | 116.9  | 110.4  | 106.8  | 110.4  | 116.9  | 125.2  | 142.7  | 175.8  | 224.6  | 331.4  |
| 97.5°  | 364.9  | 323.4  | 298.6  | 290.7  | 298.6  | 323.4  | 364.9  | 432.8  | 542.9  | 661.6  | 825.9  |
| 100°   | 679.2  | 612.0  | 576.2  | 577.1  | 576.2  | 612.0  | 679.2  | 772.2  | 902.9  | 1010.6 | 1085.1 |
| 102.5° | 950.9  | 897.8  | 867.8  | 846.6  | 867.8  | 897.8  | 950.9  | 1023.3 | 1106.1 | 1168.9 | 1171.3 |
| 105°   | 1239.8 | 1204.8 | 1175.4 | 1170.8 | 1175.4 | 1204.8 | 1239.8 | 1282.1 | 1306.1 | 1288.6 | 1196.5 |
| 107.5° | 1387.6 | 1375.8 | 1365.9 | 1357.4 | 1365.9 | 1375.8 | 1387.6 | 1386.9 | 1354.1 | 1273.4 | 1123.9 |
| 110°   | 1430.3 | 1437.7 | 1435.8 | 1434.0 | 1435.8 | 1437.7 | 1430.3 | 1404.5 | 1340.1 | 1224.2 | 1054.8 |



TEST NUMBER: P331903-927

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**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°  |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 112.5° | 1419.3 | 1442.1 | 1449.1 | 1449.5 | 1449.1 | 1442.1 | 1419.3 | 1372.1 | 1289.3 | 1159.4 | 986.3 |
| 115°   | 1360.3 | 1400.8 | 1419.3 | 1423.9 | 1419.3 | 1400.8 | 1360.3 | 1291.3 | 1191.0 | 1055.7 | 895.6 |
| 117.5° | 1263.4 | 1309.7 | 1336.3 | 1342.5 | 1336.3 | 1309.7 | 1263.4 | 1191.4 | 1089.6 | 968.0  | 829.8 |
| 120°   | 1195.6 | 1247.1 | 1269.2 | 1274.8 | 1269.2 | 1247.1 | 1195.6 | 1122.9 | 1029.9 | 919.5  | 795.2 |
| 122.5° | 1133.8 | 1180.1 | 1204.4 | 1211.4 | 1204.4 | 1180.1 | 1133.8 | 1069.1 | 982.8  | 880.4  | 767.9 |
| 125°   | 1053.0 | 1093.4 | 1116.4 | 1122.9 | 1116.4 | 1093.4 | 1053.0 | 994.0  | 920.4  | 832.0  | 731.7 |
| 127.5° | 988.7  | 1023.3 | 1044.1 | 1050.0 | 1044.1 | 1023.3 | 988.7  | 936.2  | 869.2  | 789.5  | 700.1 |
| 130°   | 949.0  | 982.1  | 1001.4 | 1008.8 | 1001.4 | 982.1  | 949.0  | 900.2  | 837.6  | 763.0  | 680.2 |
| 132.5° | 912.8  | 945.9  | 963.1  | 968.3  | 963.1  | 945.9  | 912.8  | 867.0  | 807.4  | 738.0  | 661.8 |
| 135°   | 859.7  | 887.2  | 903.8  | 910.3  | 903.8  | 887.2  | 859.7  | 814.5  | 762.1  | 702.3  | 636.9 |
| 137.5° | 802.8  | 830.8  | 844.7  | 849.0  | 844.7  | 830.8  | 802.8  | 764.9  | 719.4  | 667.8  | 614.3 |
| 140°   | 766.7  | 792.5  | 807.2  | 806.3  | 807.2  | 792.5  | 766.7  | 731.7  | 692.1  | 647.9  | 601.0 |
| 142.5° | 731.3  | 754.2  | 767.4  | 766.5  | 767.4  | 754.2  | 731.3  | 701.6  | 667.1  | 628.8  | 588.5 |
| 145°   | 682.9  | 702.3  | 709.6  | 711.5  | 709.6  | 702.3  | 682.9  | 659.9  | 633.3  | 603.8  | 573.4 |
| 147.5° | 645.4  | 658.5  | 665.4  | 666.1  | 665.4  | 658.5  | 645.4  | 627.9  | 609.0  | 585.2  | 561.1 |
| 150°   | 624.0  | 634.1  | 639.7  | 639.7  | 639.7  | 634.1  | 624.0  | 610.2  | 592.7  | 573.4  | 552.2 |
| 152.5° | 604.9  | 614.3  | 617.6  | 617.6  | 617.6  | 614.3  | 604.9  | 594.1  | 579.5  | 562.4  | 544.2 |
| 155°   | 579.9  | 587.2  | 589.1  | 589.9  | 589.1  | 587.2  | 579.9  | 571.6  | 560.5  | 546.7  | 532.0 |
| 157.5° | 557.9  | 563.5  | 564.9  | 564.7  | 564.9  | 563.5  | 557.9  | 550.7  | 542.1  | 531.5  | 519.1 |
| 160°   | 544.0  | 549.5  | 549.5  | 548.6  | 549.5  | 549.5  | 544.0  | 537.5  | 531.1  | 521.9  | 511.7 |
| 162.5° | 530.0  | 534.7  | 534.7  | 533.9  | 534.7  | 534.7  | 530.0  | 525.7  | 520.0  | 511.6  | 502.9 |
| 165°   | 511.7  | 515.4  | 514.5  | 514.5  | 514.5  | 515.4  | 511.7  | 508.0  | 503.4  | 497.0  | 491.5 |
| 167.5° | 494.4  | 497.0  | 496.1  | 496.1  | 496.1  | 497.0  | 494.4  | 492.8  | 489.5  | 485.8  | 481.6 |
| 170°   | 484.1  | 486.0  | 485.1  | 485.1  | 485.1  | 486.0  | 484.1  | 483.2  | 481.3  | 477.7  | 474.9 |
| 172.5° | 475.3  | 477.1  | 475.5  | 474.8  | 475.5  | 477.1  | 475.3  | 475.1  | 474.0  | 471.0  | 469.1 |
| 175°   | 463.9  | 464.8  | 463.9  | 463.0  | 463.9  | 464.8  | 463.9  | 463.9  | 463.9  | 462.0  | 461.1 |
| 177.5° | 456.9  | 457.6  | 456.1  | 456.1  | 456.1  | 457.6  | 456.9  | 457.6  | 457.6  | 456.9  | 456.1 |
| 180°   | 454.7  | 454.7  | 454.7  | 454.7  | 454.7  | 454.7  | 454.7  | 454.7  | 454.7  | 454.7  | 454.7 |



TEST NUMBER: P331903-927

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**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 380.9  | 380.9 | 380.9 | 380.9 | 380.9 | 380.9 | 380.9 | 380.9 | 380.9 | 380.9 | 380.9 |
| 2.5°   | 365.3  | 365.3 | 368.0 | 369.9 | 372.1 | 373.5 | 374.5 | 375.6 | 377.4 | 379.7 | 382.4 |
| 5°     | 344.4  | 345.1 | 349.2 | 353.2 | 357.1 | 360.4 | 363.2 | 366.5 | 370.6 | 375.6 | 381.1 |
| 7.5°   | 324.2  | 327.0 | 331.1 | 336.0 | 341.4 | 346.3 | 351.2 | 356.6 | 362.4 | 369.7 | 377.5 |
| 10°    | 311.2  | 314.3 | 319.2 | 325.6 | 331.3 | 337.0 | 343.1 | 349.0 | 356.2 | 364.9 | 374.9 |
| 12.5°  | 299.8  | 302.8 | 307.9 | 314.7 | 320.2 | 326.5 | 333.5 | 341.2 | 349.3 | 359.7 | 371.0 |
| 15°    | 284.0  | 287.6 | 293.8 | 297.1 | 305.5 | 313.0 | 319.5 | 330.5 | 340.9 | 351.6 | 364.6 |
| 17.5°  | 271.1  | 273.1 | 278.1 | 284.3 | 290.5 | 299.0 | 307.4 | 316.7 | 327.0 | 340.1 | 356.5 |
| 20°    | 262.2  | 263.9 | 269.4 | 275.9 | 282.6 | 290.3 | 297.9 | 307.1 | 318.7 | 332.6 | 350.3 |
| 22.5°  | 255.6  | 257.4 | 261.0 | 267.9 | 274.1 | 280.6 | 288.1 | 299.1 | 311.5 | 325.0 | 344.2 |
| 25°    | 246.0  | 247.1 | 249.5 | 255.1 | 260.5 | 267.8 | 274.4 | 284.8 | 297.5 | 313.4 | 332.6 |
| 27.5°  | 236.9  | 238.0 | 240.0 | 243.9 | 249.1 | 254.9 | 262.2 | 270.9 | 283.8 | 301.1 | 321.5 |
| 30°    | 231.4  | 231.6 | 233.5 | 237.2 | 241.6 | 246.4 | 253.0 | 263.0 | 275.2 | 292.7 | 314.1 |
| 32.5°  | 226.7  | 226.0 | 227.3 | 230.0 | 234.3 | 239.2 | 244.6 | 254.4 | 266.2 | 283.4 | 305.4 |
| 35°    | 218.7  | 218.3 | 217.8 | 220.1 | 223.9 | 227.5 | 232.3 | 239.7 | 253.0 | 269.1 | 292.2 |
| 37.5°  | 210.6  | 209.6 | 208.7 | 209.8 | 212.6 | 216.5 | 220.6 | 227.2 | 238.7 | 256.4 | 278.5 |
| 40°    | 204.5  | 203.7 | 203.2 | 202.8 | 205.4 | 209.1 | 212.2 | 218.5 | 229.2 | 246.0 | 267.8 |
| 42.5°  | 197.8  | 197.4 | 196.7 | 196.1 | 198.3 | 201.1 | 204.4 | 209.9 | 220.6 | 236.4 | 257.0 |
| 45°    | 187.1  | 186.8 | 186.4 | 186.0 | 187.4 | 189.9 | 192.5 | 196.5 | 205.8 | 221.1 | 239.7 |
| 47.5°  | 175.2  | 174.8 | 174.9 | 174.3 | 175.5 | 177.3 | 179.1 | 183.5 | 192.3 | 204.7 | 218.3 |
| 50°    | 166.7  | 166.4 | 166.4 | 166.4 | 166.8 | 168.9 | 170.6 | 173.9 | 182.0 | 194.3 | 204.1 |
| 52.5°  | 158.5  | 157.7 | 157.7 | 158.0 | 158.8 | 160.0 | 161.1 | 164.7 | 171.7 | 182.0 | 190.8 |
| 55°    | 145.8  | 144.3 | 143.9 | 144.3 | 144.9 | 146.0 | 147.1 | 150.0 | 156.1 | 163.7 | 168.9 |
| 57.5°  | 131.7  | 130.9 | 130.4 | 130.5 | 130.8 | 131.7 | 132.5 | 135.7 | 140.5 | 144.5 | 147.8 |
| 60°    | 121.8  | 122.2 | 120.5 | 120.9 | 120.9 | 121.6 | 122.9 | 124.9 | 129.0 | 131.7 | 135.1 |
| 62.5°  | 112.5  | 112.0 | 111.5 | 111.0 | 111.0 | 111.3 | 113.0 | 114.6 | 118.1 | 119.5 | 122.1 |
| 65°    | 98.0   | 98.0  | 96.9  | 97.3  | 97.4  | 96.2  | 97.0  | 98.9  | 101.2 | 101.7 | 104.1 |
| 67.5°  | 83.3   | 82.8  | 82.1  | 81.6  | 81.6  | 81.5  | 82.0  | 82.9  | 84.5  | 84.8  | 86.6  |
| 70°    | 73.3   | 72.9  | 72.7  | 72.2  | 71.5  | 72.3  | 71.8  | 72.7  | 73.7  | 73.8  | 74.9  |
| 72.5°  | 63.5   | 63.1  | 62.8  | 62.3  | 61.9  | 61.9  | 61.9  | 63.0  | 63.6  | 63.4  | 64.6  |
| 75°    | 49.7   | 49.3  | 48.9  | 48.0  | 48.0  | 47.5  | 47.6  | 48.3  | 49.1  | 48.6  | 49.7  |
| 77.5°  | 36.4   | 35.3  | 35.3  | 35.5  | 34.9  | 35.0  | 34.8  | 34.7  | 35.0  | 35.0  | 36.0  |
| 80°    | 28.0   | 26.8  | 27.1  | 26.9  | 26.8  | 26.5  | 26.2  | 26.4  | 26.5  | 26.8  | 27.3  |
| 82.5°  | 20.2   | 20.1  | 19.7  | 19.7  | 19.5  | 19.0  | 18.9  | 19.2  | 19.3  | 19.3  | 19.6  |
| 85°    | 10.3   | 9.7   | 10.1  | 10.0  | 10.1  | 10.0  | 9.4   | 9.4   | 9.7   | 9.6   | 10.0  |
| 87.5°  | 7.5    | 7.7   | 7.0   | 6.6   | 5.9   | 5.5   | 5.0   | 4.8   | 4.4   | 4.0   | 3.9   |
| 90°    | 22.1   | 23.0  | 20.3  | 17.5  | 14.7  | 12.0  | 10.1  | 8.3   | 5.5   | 3.6   | 1.8   |
| 92.5°  | 106.8  | 141.6 | 155.7 | 116.9 | 77.3  | 53.2  | 39.6  | 31.8  | 24.6  | 17.0  | 11.4  |
| 95°    | 442.7  | 545.8 | 486.0 | 335.0 | 197.9 | 119.6 | 83.7  | 59.8  | 44.2  | 34.1  | 31.3  |
| 97.5°  | 904.9  | 845.8 | 619.2 | 367.6 | 213.0 | 138.2 | 99.4  | 75.8  | 62.2  | 54.3  | 53.4  |
| 100°   | 1053.0 | 871.6 | 589.1 | 347.0 | 210.8 | 146.3 | 110.4 | 88.3  | 75.5  | 69.0  | 68.1  |
| 102.5° | 1060.3 | 823.8 | 544.9 | 329.3 | 213.7 | 155.9 | 122.9 | 103.1 | 90.9  | 85.2  | 83.6  |
| 105°   | 1004.2 | 740.0 | 490.6 | 316.6 | 221.8 | 172.1 | 143.5 | 126.1 | 115.0 | 109.6 | 106.8 |
| 107.5° | 905.9  | 666.0 | 456.0 | 315.7 | 236.9 | 193.3 | 166.8 | 150.4 | 139.5 | 134.2 | 131.4 |
| 110°   | 844.0  | 624.0 | 442.7 | 319.4 | 249.5 | 208.0 | 182.2 | 166.6 | 156.5 | 151.9 | 149.1 |



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CATALOG NUMBER: S123DIP-S340D1195U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 790.3 | 596.0 | 435.4 | 326.8 | 262.0 | 223.5 | 198.4 | 182.8 | 172.7 | 168.1 | 165.3 |
| 115°   | 725.2 | 566.0 | 432.6 | 338.7 | 282.6 | 247.6 | 222.8 | 207.1 | 197.9 | 192.3 | 188.7 |
| 117.5° | 686.0 | 548.3 | 434.3 | 354.5 | 304.4 | 269.9 | 246.8 | 229.3 | 220.9 | 216.3 | 212.1 |
| 120°   | 665.4 | 540.3 | 437.2 | 366.3 | 318.5 | 285.3 | 262.3 | 244.9 | 235.6 | 231.0 | 228.2 |
| 122.5° | 648.5 | 535.1 | 442.4 | 377.4 | 333.2 | 300.8 | 276.3 | 259.5 | 249.6 | 245.0 | 242.2 |
| 125°   | 626.8 | 528.3 | 450.0 | 394.8 | 354.3 | 322.1 | 297.3 | 279.8 | 269.7 | 264.2 | 262.3 |
| 127.5° | 607.7 | 525.0 | 458.9 | 409.2 | 372.7 | 341.7 | 316.8 | 297.5 | 287.2 | 280.4 | 277.6 |
| 130°   | 597.3 | 522.8 | 464.8 | 418.7 | 383.8 | 353.4 | 328.6 | 309.3 | 298.2 | 289.9 | 287.2 |
| 132.5° | 587.8 | 522.0 | 469.2 | 427.6 | 393.4 | 363.8 | 339.6 | 320.3 | 307.0 | 298.0 | 294.5 |
| 135°   | 575.3 | 520.9 | 475.9 | 439.0 | 407.7 | 379.2 | 354.3 | 335.0 | 321.2 | 311.1 | 307.4 |
| 137.5° | 564.4 | 518.9 | 480.3 | 447.5 | 417.6 | 390.2 | 367.3 | 348.1 | 333.4 | 323.4 | 319.6 |
| 140°   | 557.8 | 518.2 | 483.2 | 451.9 | 424.3 | 397.6 | 374.6 | 356.2 | 341.4 | 332.2 | 327.6 |
| 142.5° | 551.8 | 516.7 | 485.4 | 456.3 | 429.4 | 403.5 | 382.0 | 363.5 | 350.3 | 340.4 | 336.5 |
| 145°   | 544.0 | 514.5 | 486.9 | 461.1 | 436.3 | 412.3 | 391.2 | 375.5 | 361.7 | 353.4 | 350.7 |
| 147.5° | 536.2 | 511.0 | 486.9 | 464.1 | 441.8 | 419.9 | 401.9 | 386.7 | 374.8 | 366.7 | 365.0 |
| 150°   | 531.1 | 508.0 | 486.9 | 464.8 | 445.4 | 424.3 | 407.7 | 394.8 | 382.9 | 375.5 | 374.6 |
| 152.5° | 525.2 | 504.4 | 484.7 | 466.3 | 447.7 | 429.4 | 413.6 | 402.2 | 391.7 | 384.4 | 384.2 |
| 155°   | 516.3 | 498.0 | 482.3 | 466.7 | 451.9 | 436.3 | 423.3 | 413.3 | 404.1 | 398.5 | 398.5 |
| 157.5° | 506.4 | 492.3 | 479.2 | 467.5 | 454.3 | 441.8 | 431.8 | 423.2 | 415.1 | 410.7 | 410.0 |
| 160°   | 499.8 | 487.8 | 477.7 | 467.5 | 456.5 | 445.4 | 436.3 | 429.8 | 422.5 | 418.7 | 418.7 |
| 162.5° | 493.1 | 483.4 | 474.8 | 466.8 | 457.2 | 447.7 | 440.0 | 434.3 | 428.3 | 425.4 | 425.4 |
| 165°   | 484.1 | 476.7 | 470.3 | 464.8 | 458.4 | 451.0 | 444.6 | 440.8 | 436.3 | 434.4 | 435.4 |
| 167.5° | 475.5 | 470.2 | 465.9 | 463.3 | 458.2 | 452.8 | 448.8 | 446.2 | 442.7 | 441.8 | 442.9 |
| 170°   | 470.3 | 465.7 | 463.0 | 461.1 | 457.4 | 452.8 | 451.0 | 449.2 | 446.4 | 445.4 | 447.3 |
| 172.5° | 465.2 | 462.0 | 460.7 | 460.4 | 457.4 | 453.6 | 452.5 | 451.4 | 449.3 | 449.2 | 450.3 |
| 175°   | 459.3 | 457.4 | 457.4 | 458.4 | 456.5 | 454.7 | 453.8 | 453.8 | 451.9 | 452.8 | 453.8 |
| 177.5° | 455.4 | 454.7 | 455.4 | 456.9 | 455.4 | 454.7 | 454.7 | 454.7 | 453.9 | 454.7 | 455.4 |
| 180°   | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 |



TEST NUMBER: P331903-927

CATALOG NUMBER: S123DIP-S340D1195U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°   | 325°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 0°     | 380.9 | 380.9 | 380.9 | 380.9 | 380.9 | 380.9 | 380.9 | 380.9 | 380.9 | 380.9  | 380.9  |
| 2.5°   | 383.3 | 384.0 | 386.5 | 388.3 | 390.4 | 391.6 | 392.7 | 393.6 | 394.8 | 395.1  | 399.3  |
| 5°     | 385.0 | 388.6 | 395.1 | 399.9 | 405.8 | 412.3 | 416.7 | 418.7 | 424.1 | 428.5  | 437.4  |
| 7.5°   | 384.5 | 392.4 | 402.1 | 412.3 | 423.0 | 433.1 | 441.8 | 452.2 | 459.5 | 470.6  | 481.4  |
| 10°    | 384.0 | 394.6 | 407.1 | 420.0 | 435.1 | 449.2 | 461.8 | 475.8 | 487.4 | 502.7  | 515.8  |
| 12.5°  | 382.7 | 395.5 | 412.9 | 428.2 | 446.6 | 465.9 | 484.5 | 502.5 | 512.8 | 538.3  | 550.3  |
| 15°    | 379.5 | 394.6 | 416.4 | 439.6 | 464.9 | 487.7 | 511.4 | 530.2 | 560.6 | 583.0  | 597.2  |
| 17.5°  | 373.2 | 394.3 | 420.2 | 448.2 | 479.0 | 509.1 | 535.9 | 564.4 | 596.8 | 623.8  | 652.6  |
| 20°    | 370.2 | 393.5 | 422.2 | 453.3 | 485.2 | 519.4 | 549.8 | 584.1 | 619.3 | 645.9  | 682.9  |
| 22.5°  | 364.7 | 391.1 | 422.1 | 456.6 | 490.8 | 526.1 | 561.7 | 596.4 | 637.1 | 673.7  | 708.8  |
| 25°    | 355.8 | 385.3 | 417.5 | 456.1 | 496.1 | 531.5 | 574.2 | 620.1 | 662.5 | 709.6  | 744.7  |
| 27.5°  | 346.4 | 378.0 | 410.1 | 446.0 | 489.1 | 531.2 | 584.8 | 636.7 | 688.6 | 729.2  | 755.2  |
| 30°    | 339.2 | 369.9 | 403.1 | 439.3 | 481.9 | 531.9 | 591.8 | 648.5 | 699.1 | 734.0  | 748.5  |
| 32.5°  | 331.4 | 362.4 | 391.8 | 429.8 | 475.2 | 531.4 | 596.3 | 655.5 | 699.7 | 722.9  | 720.0  |
| 35°    | 319.1 | 345.1 | 373.8 | 410.3 | 463.7 | 528.1 | 598.9 | 656.1 | 683.2 | 678.2  | 640.6  |
| 37.5°  | 301.3 | 323.3 | 351.4 | 391.4 | 450.5 | 521.3 | 593.7 | 636.6 | 634.9 | 594.3  | 539.7  |
| 40°    | 290.3 | 309.0 | 336.0 | 378.1 | 440.1 | 516.9 | 585.6 | 613.5 | 589.9 | 533.1  | 467.9  |
| 42.5°  | 275.8 | 293.0 | 320.1 | 363.4 | 428.8 | 507.9 | 570.1 | 578.1 | 532.0 | 466.8  | 406.9  |
| 45°    | 253.4 | 268.5 | 296.6 | 341.3 | 411.7 | 488.3 | 532.3 | 512.5 | 450.3 | 382.9  | 337.4  |
| 47.5°  | 229.3 | 245.0 | 272.0 | 317.9 | 387.1 | 458.8 | 479.7 | 437.8 | 373.9 | 319.2  | 277.4  |
| 50°    | 214.0 | 229.2 | 255.6 | 301.9 | 370.4 | 434.6 | 443.3 | 389.0 | 330.3 | 282.3  | 248.0  |
| 52.5°  | 198.8 | 212.9 | 238.9 | 285.4 | 350.9 | 406.5 | 401.2 | 345.9 | 292.0 | 251.0  | 224.1  |
| 55°    | 175.9 | 189.3 | 214.0 | 257.6 | 317.3 | 361.3 | 342.0 | 289.2 | 244.5 | 212.8  | 192.3  |
| 57.5°  | 155.4 | 168.3 | 189.6 | 229.0 | 280.8 | 311.2 | 286.5 | 242.0 | 206.5 | 182.0  | 166.8  |
| 60°    | 141.6 | 153.0 | 173.3 | 209.8 | 254.8 | 277.9 | 253.6 | 214.3 | 184.3 | 164.8  | 151.1  |
| 62.5°  | 128.4 | 138.4 | 157.2 | 190.4 | 229.5 | 248.8 | 224.2 | 190.9 | 165.5 | 148.1  | 136.5  |
| 65°    | 108.5 | 117.6 | 134.2 | 160.0 | 192.1 | 205.0 | 183.8 | 156.9 | 137.1 | 124.2  | 116.5  |
| 67.5°  | 90.4  | 98.1  | 112.4 | 132.7 | 156.4 | 165.7 | 149.6 | 128.7 | 113.8 | 103.5  | 97.4   |
| 70°    | 78.3  | 84.9  | 96.2  | 113.7 | 135.1 | 142.3 | 127.1 | 110.0 | 99.1  | 90.8   | 85.1   |
| 72.5°  | 68.0  | 73.0  | 83.2  | 96.7  | 114.5 | 120.3 | 109.7 | 94.7  | 84.5  | 78.3   | 73.7   |
| 75°    | 51.9  | 55.9  | 62.6  | 73.4  | 85.8  | 89.1  | 81.2  | 71.8  | 65.0  | 60.5   | 57.0   |
| 77.5°  | 37.4  | 40.4  | 45.2  | 51.9  | 60.4  | 63.5  | 58.5  | 52.1  | 47.1  | 44.2   | 42.2   |
| 80°    | 28.2  | 30.7  | 34.7  | 40.2  | 45.4  | 47.1  | 44.1  | 39.3  | 35.8  | 34.1   | 32.5   |
| 82.5°  | 20.8  | 22.2  | 24.6  | 28.4  | 31.9  | 33.9  | 31.4  | 28.5  | 26.6  | 25.1   | 24.5   |
| 85°    | 10.5  | 11.2  | 12.4  | 13.9  | 16.1  | 16.8  | 15.8  | 15.1  | 14.0  | 13.1   | 13.1   |
| 87.5°  | 4.6   | 4.9   | 5.9   | 6.6   | 7.5   | 8.6   | 9.0   | 9.2   | 9.6   | 9.3    | 9.3    |
| 90°    | 3.6   | 5.5   | 8.3   | 10.1  | 12.0  | 14.7  | 17.5  | 20.3  | 23.0  | 22.1   | 23.0   |
| 92.5°  | 17.0  | 24.6  | 31.8  | 39.6  | 53.2  | 77.3  | 116.9 | 155.7 | 141.6 | 106.8  | 77.5   |
| 95°    | 34.1  | 44.2  | 59.8  | 83.7  | 119.6 | 197.9 | 335.0 | 486.0 | 545.8 | 442.7  | 331.4  |
| 97.5°  | 54.3  | 62.2  | 75.8  | 99.4  | 138.2 | 213.0 | 367.6 | 619.2 | 845.8 | 904.9  | 825.9  |
| 100°   | 69.0  | 75.5  | 88.3  | 110.4 | 146.3 | 210.8 | 347.0 | 589.1 | 871.6 | 1053.0 | 1085.1 |
| 102.5° | 85.2  | 90.9  | 103.1 | 122.9 | 155.9 | 213.7 | 329.3 | 544.9 | 823.8 | 1060.3 | 1171.3 |
| 105°   | 109.6 | 115.0 | 126.1 | 143.5 | 172.1 | 221.8 | 316.6 | 490.6 | 740.0 | 1004.2 | 1196.5 |
| 107.5° | 134.2 | 139.5 | 150.4 | 166.8 | 193.3 | 236.9 | 315.7 | 456.0 | 666.0 | 905.9  | 1123.9 |
| 110°   | 151.9 | 156.5 | 166.6 | 182.2 | 208.0 | 249.5 | 319.4 | 442.7 | 624.0 | 844.0  | 1054.8 |





TEST NUMBER: P331903-927

CATALOG NUMBER: S123DIP-S340D1195U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 168.1 | 172.7 | 182.8 | 198.4 | 223.5 | 262.0 | 326.8 | 435.4 | 596.0 | 790.3 | 986.3 |
| 115°   | 192.3 | 197.9 | 207.1 | 222.8 | 247.6 | 282.6 | 338.7 | 432.6 | 566.0 | 725.2 | 895.6 |
| 117.5° | 216.3 | 220.9 | 229.3 | 246.8 | 269.9 | 304.4 | 354.5 | 434.3 | 548.3 | 686.0 | 829.8 |
| 120°   | 231.0 | 235.6 | 244.9 | 262.3 | 285.3 | 318.5 | 366.3 | 437.2 | 540.3 | 665.4 | 795.2 |
| 122.5° | 245.0 | 249.6 | 259.5 | 276.3 | 300.8 | 333.2 | 377.4 | 442.4 | 535.1 | 648.5 | 767.9 |
| 125°   | 264.2 | 269.7 | 279.8 | 297.3 | 322.1 | 354.3 | 394.8 | 450.0 | 528.3 | 626.8 | 731.7 |
| 127.5° | 280.4 | 287.2 | 297.5 | 316.8 | 341.7 | 372.7 | 409.2 | 458.9 | 525.0 | 607.7 | 700.1 |
| 130°   | 289.9 | 298.2 | 309.3 | 328.6 | 353.4 | 383.8 | 418.7 | 464.8 | 522.8 | 597.3 | 680.2 |
| 132.5° | 298.0 | 307.0 | 320.3 | 339.6 | 363.8 | 393.4 | 427.6 | 469.2 | 522.0 | 587.8 | 661.8 |
| 135°   | 311.1 | 321.2 | 335.0 | 354.3 | 379.2 | 407.7 | 439.0 | 475.9 | 520.9 | 575.3 | 636.9 |
| 137.5° | 323.4 | 333.4 | 348.1 | 367.3 | 390.2 | 417.6 | 447.5 | 480.3 | 518.9 | 564.4 | 614.3 |
| 140°   | 332.2 | 341.4 | 356.2 | 374.6 | 397.6 | 424.3 | 451.9 | 483.2 | 518.2 | 557.8 | 601.0 |
| 142.5° | 340.4 | 350.3 | 363.5 | 382.0 | 403.5 | 429.4 | 456.3 | 485.4 | 516.7 | 551.8 | 588.5 |
| 145°   | 353.4 | 361.7 | 375.5 | 391.2 | 412.3 | 436.3 | 461.1 | 486.9 | 514.5 | 544.0 | 573.4 |
| 147.5° | 366.7 | 374.8 | 386.7 | 401.9 | 419.9 | 441.8 | 464.1 | 486.9 | 511.0 | 536.2 | 561.1 |
| 150°   | 375.5 | 382.9 | 394.8 | 407.7 | 424.3 | 445.4 | 464.8 | 486.9 | 508.0 | 531.1 | 552.2 |
| 152.5° | 384.4 | 391.7 | 402.2 | 413.6 | 429.4 | 447.7 | 466.3 | 484.7 | 504.4 | 525.2 | 544.2 |
| 155°   | 398.5 | 404.1 | 413.3 | 423.3 | 436.3 | 451.9 | 466.7 | 482.3 | 498.0 | 516.3 | 532.0 |
| 157.5° | 410.7 | 415.1 | 423.2 | 431.8 | 441.8 | 454.3 | 467.5 | 479.2 | 492.3 | 506.4 | 519.1 |
| 160°   | 418.7 | 422.5 | 429.8 | 436.3 | 445.4 | 456.5 | 467.5 | 477.7 | 487.8 | 499.8 | 511.7 |
| 162.5° | 425.4 | 428.3 | 434.3 | 440.0 | 447.7 | 457.2 | 466.8 | 474.8 | 483.4 | 493.1 | 502.9 |
| 165°   | 434.4 | 436.3 | 440.8 | 444.6 | 451.0 | 458.4 | 464.8 | 470.3 | 476.7 | 484.1 | 491.5 |
| 167.5° | 441.8 | 442.7 | 446.2 | 448.8 | 452.8 | 458.2 | 463.3 | 465.9 | 470.2 | 475.5 | 481.6 |
| 170°   | 445.4 | 446.4 | 449.2 | 451.0 | 452.8 | 457.4 | 461.1 | 463.0 | 465.7 | 470.3 | 474.9 |
| 172.5° | 449.2 | 449.3 | 451.4 | 452.5 | 453.6 | 457.4 | 460.4 | 460.7 | 462.0 | 465.2 | 469.1 |
| 175°   | 452.8 | 451.9 | 453.8 | 453.8 | 454.7 | 456.5 | 458.4 | 457.4 | 457.4 | 459.3 | 461.1 |
| 177.5° | 454.7 | 453.9 | 454.7 | 454.7 | 454.7 | 455.4 | 456.9 | 455.4 | 454.7 | 455.4 | 456.1 |
| 180°   | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 | 454.7 |



TEST NUMBER: P331903-927

CATALOG NUMBER: S123DIP-S340D1195U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 380.9  | 380.9  | 380.9  | 380.9  | 380.9  | 380.9  | 380.9  |
| 2.5°   | 400.8  | 401.0  | 402.6  | 403.8  | 403.2  | 403.9  | 404.3  |
| 5°     | 437.9  | 444.6  | 448.1  | 450.7  | 450.8  | 451.1  | 452.5  |
| 7.5°   | 490.5  | 497.6  | 502.9  | 510.8  | 513.1  | 515.8  | 515.1  |
| 10°    | 528.9  | 539.5  | 548.5  | 553.3  | 558.5  | 566.0  | 559.9  |
| 12.5°  | 564.8  | 583.4  | 597.2  | 604.7  | 609.5  | 611.0  | 608.1  |
| 15°    | 624.0  | 648.3  | 661.4  | 661.1  | 677.6  | 684.8  | 673.6  |
| 17.5°  | 678.2  | 700.7  | 718.7  | 727.9  | 741.8  | 744.8  | 743.5  |
| 20°    | 711.5  | 736.0  | 750.0  | 765.9  | 773.1  | 779.5  | 780.6  |
| 22.5°  | 740.1  | 762.2  | 777.2  | 790.4  | 796.4  | 799.5  | 801.3  |
| 25°    | 769.6  | 787.0  | 796.0  | 800.6  | 802.2  | 801.8  | 799.5  |
| 27.5°  | 767.5  | 768.9  | 758.9  | 749.2  | 740.4  | 730.6  | 727.1  |
| 30°    | 747.6  | 732.1  | 704.4  | 688.7  | 665.7  | 647.4  | 654.8  |
| 32.5°  | 695.2  | 664.3  | 633.3  | 599.0  | 570.6  | 562.5  | 554.4  |
| 35°    | 593.3  | 539.1  | 507.3  | 470.4  | 455.7  | 440.9  | 430.7  |
| 37.5°  | 480.0  | 438.1  | 400.4  | 376.3  | 361.5  | 352.1  | 347.1  |
| 40°    | 415.0  | 377.2  | 346.2  | 326.6  | 315.4  | 304.9  | 303.4  |
| 42.5°  | 363.2  | 328.0  | 304.8  | 289.1  | 278.4  | 273.9  | 270.6  |
| 45°    | 297.5  | 273.0  | 257.3  | 246.2  | 239.0  | 236.2  | 232.5  |
| 47.5°  | 251.8  | 234.5  | 222.7  | 215.2  | 209.7  | 207.6  | 207.4  |
| 50°    | 226.2  | 211.8  | 203.2  | 197.3  | 193.1  | 192.3  | 189.3  |
| 52.5°  | 207.1  | 194.6  | 187.8  | 182.7  | 179.6  | 177.5  | 176.7  |
| 55°    | 179.7  | 171.4  | 165.3  | 162.4  | 160.0  | 158.0  | 158.0  |
| 57.5°  | 157.2  | 150.4  | 146.3  | 143.8  | 143.1  | 141.6  | 140.7  |
| 60°    | 143.4  | 137.5  | 134.4  | 132.1  | 130.6  | 130.9  | 129.2  |
| 62.5°  | 129.8  | 126.0  | 122.9  | 120.8  | 119.0  | 119.1  | 119.1  |
| 65°    | 110.5  | 107.6  | 105.4  | 104.6  | 103.5  | 102.3  | 102.6  |
| 67.5°  | 93.7   | 90.9   | 89.2   | 87.9   | 87.5   | 86.8   | 87.9   |
| 70°    | 81.6   | 79.5   | 78.3   | 77.2   | 76.8   | 76.9   | 77.9   |
| 72.5°  | 70.5   | 69.1   | 68.2   | 67.7   | 66.9   | 66.9   | 67.6   |
| 75°    | 55.4   | 54.3   | 53.6   | 53.0   | 52.8   | 52.8   | 52.8   |
| 77.5°  | 40.6   | 40.4   | 40.1   | 39.3   | 39.3   | 39.5   | 39.5   |
| 80°    | 32.1   | 31.5   | 31.4   | 31.0   | 30.4   | 30.1   | 31.0   |
| 82.5°  | 24.0   | 23.4   | 23.3   | 23.2   | 22.3   | 22.3   | 23.1   |
| 85°    | 12.9   | 12.4   | 12.5   | 12.4   | 12.4   | 12.2   | 12.2   |
| 87.5°  | 9.3    | 9.4    | 9.6    | 9.6    | 9.6    | 9.7    | 9.7    |
| 90°    | 23.9   | 24.9   | 26.7   | 25.7   | 26.7   | 27.6   | 26.7   |
| 92.5°  | 61.5   | 54.3   | 49.5   | 47.8   | 45.1   | 46.0   | 44.4   |
| 95°    | 224.6  | 175.8  | 142.7  | 125.2  | 116.9  | 110.4  | 106.8  |
| 97.5°  | 661.6  | 542.9  | 432.8  | 364.9  | 323.4  | 298.6  | 290.7  |
| 100°   | 1010.6 | 902.9  | 772.2  | 679.2  | 612.0  | 576.2  | 577.1  |
| 102.5° | 1168.9 | 1106.1 | 1023.3 | 950.9  | 897.8  | 867.8  | 846.6  |
| 105°   | 1288.6 | 1306.1 | 1282.1 | 1239.8 | 1204.8 | 1175.4 | 1170.8 |
| 107.5° | 1273.4 | 1354.1 | 1386.9 | 1387.6 | 1375.8 | 1365.9 | 1357.4 |
| 110°   | 1224.2 | 1340.1 | 1404.5 | 1430.3 | 1437.7 | 1435.8 | 1434.0 |



TEST NUMBER: P331903-927

CATALOG NUMBER: S123DIP-S340D1195U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1159.4 | 1289.3 | 1372.1 | 1419.3 | 1442.1 | 1449.1 | 1449.5 |
| 115°   | 1055.7 | 1191.0 | 1291.3 | 1360.3 | 1400.8 | 1419.3 | 1423.9 |
| 117.5° | 968.0  | 1089.6 | 1191.4 | 1263.4 | 1309.7 | 1336.3 | 1342.5 |
| 120°   | 919.5  | 1029.9 | 1122.9 | 1195.6 | 1247.1 | 1269.2 | 1274.8 |
| 122.5° | 880.4  | 982.8  | 1069.1 | 1133.8 | 1180.1 | 1204.4 | 1211.4 |
| 125°   | 832.0  | 920.4  | 994.0  | 1053.0 | 1093.4 | 1116.4 | 1122.9 |
| 127.5° | 789.5  | 869.2  | 936.2  | 988.7  | 1023.3 | 1044.1 | 1050.0 |
| 130°   | 763.0  | 837.6  | 900.2  | 949.0  | 982.1  | 1001.4 | 1008.8 |
| 132.5° | 738.0  | 807.4  | 867.0  | 912.8  | 945.9  | 963.1  | 968.3  |
| 135°   | 702.3  | 762.1  | 814.5  | 859.7  | 887.2  | 903.8  | 910.3  |
| 137.5° | 667.8  | 719.4  | 764.9  | 802.8  | 830.8  | 844.7  | 849.0  |
| 140°   | 647.9  | 692.1  | 731.7  | 766.7  | 792.5  | 807.2  | 806.3  |
| 142.5° | 628.8  | 667.1  | 701.6  | 731.3  | 754.2  | 767.4  | 766.5  |
| 145°   | 603.8  | 633.3  | 659.9  | 682.9  | 702.3  | 709.6  | 711.5  |
| 147.5° | 585.2  | 609.0  | 627.9  | 645.4  | 658.5  | 665.4  | 666.1  |
| 150°   | 573.4  | 592.7  | 610.2  | 624.0  | 634.1  | 639.7  | 639.7  |
| 152.5° | 562.4  | 579.5  | 594.1  | 604.9  | 614.3  | 617.6  | 617.6  |
| 155°   | 546.7  | 560.5  | 571.6  | 579.9  | 587.2  | 589.1  | 589.9  |
| 157.5° | 531.5  | 542.1  | 550.7  | 557.9  | 563.5  | 564.9  | 564.7  |
| 160°   | 521.9  | 531.1  | 537.5  | 544.0  | 549.5  | 549.5  | 548.6  |
| 162.5° | 511.6  | 520.0  | 525.7  | 530.0  | 534.7  | 534.7  | 533.9  |
| 165°   | 497.0  | 503.4  | 508.0  | 511.7  | 515.4  | 514.5  | 514.5  |
| 167.5° | 485.8  | 489.5  | 492.8  | 494.4  | 497.0  | 496.1  | 496.1  |
| 170°   | 477.7  | 481.3  | 483.2  | 484.1  | 486.0  | 485.1  | 485.1  |
| 172.5° | 471.0  | 474.0  | 475.1  | 475.3  | 477.1  | 475.5  | 474.8  |
| 175°   | 462.0  | 463.9  | 463.9  | 463.9  | 464.8  | 463.9  | 463.0  |
| 177.5° | 456.9  | 457.6  | 457.6  | 456.9  | 457.6  | 456.1  | 456.1  |
| 180°   | 454.7  | 454.7  | 454.7  | 454.7  | 454.7  | 454.7  | 454.7  |

(END OF REPORT)